PostGraduate Institute
for measurement science

The PGI's Postgraduate Researcher Publications

This document lists all of the published papers to date which credit a current or former PGI Postgraduate Researcher (henceforth PGR) as an author. The data are laid out in order of Year of Publication, and detail the Authors, PGR Authors, Paper Titles, Publishing Journal Titles, and relevant DOI Links for each published work.

In order to find a paper online, simply add 'https://doi.org/' to the beginning of the relevant DOI and enter this into your browser search bar.

Year of Publication	Author List	PGR Author(s)	Paper Title	Journal Title	DOI
2015	Browne, F; Bruce, AM; Sumikama, T; Nishizuka, I; Nishimura, S; Doornenbal, P; Lorusso, G; Patel, Z; Rice, S; Sinclair, L; Soderstrom, PA; Watanabe, H; Wu, J; Xu, ZY; Baba, H; Chiga, N; Carroll, R; Daido, R; Didierjean, F; Fang, Y; Gey, G; Ideguchi, E; Inabe, N; Isobe, T; Kameda, D; Kojouharov, I; Kurz, N; Kubo, T; Lalkovski, S; Li, Z; Lozeva, R; Naoki, N; Nishibata, H; Odahara, A; Podolyak, Z; Regan, PH; Roberts, OJ; Sakurai, H; Schaffner, H; Simpson, GS; Suzuki, H; Takeda, H; Tanaka, M; Taprogge, J; Werner, V; Wieland, O; Yagi, A	Zuo Li	Gamma-ray Spectroscopy in the Vicinity of Zr-108	ACTA PHYSICA POLONICA B	10.5506/APhysPolB.46.721
2015	Tantra, R; Sikora, A; Hartmann, NB; Sintes, JR; Robinson, KN	Kenny Robinson	Comparison of the effects of different protocols on the particle size distribution of TiO2 dispersions	PARTICUOLOGY	10.1016/j.partic.2014.03.017
2015	Taprogge, J; Jungclaus, A; Grawe, H; Nishimura, S; Doornenbal, P; Lorusso, G; Simpson, GS; Soderstrom, PA; Sumikama, T; Xu, ZY; Baba, H; Browne, F; Fukuda, N; Gernhauser, R; Gey, G; Inabe, N; Isobe, T; Jung, HS; Kameda, D; Kim, GD; Kim, YK; Kojouharov, I; Kubo, T; Kurz, N; Kwon, YK; Li, Z; Sakurai, H; Schaffner, H; Steiger, K; Suzuki, H; Takeda, H; Vajta, Z; Watanabe, H; Wu, J; Yagi, A; Yoshinaga, K; Benzoni, G; Bonig, S; Chae, KY; Coraggio, L; Covello, A; Daugas, JM; Drouet, F; Gadea, A; Gargano, A; Ilieva, S; Kondev, FG; Kroll, T; Lane, GJ; Montaner-Piza, A; Moschner, K; Mucher, D; Naqvi, F; Niikura, M; Nishibata, H; Odahara, A; Orlandi, R; Patel, Z; Podolyaak, Z; Wendt, A	Zuo Li	beta decay of Cd-129 and excited states in In-129	PHYSICAL REVIEW C	10.1103/PhysRevC.91.054324
2015	Lorusso, G; Nishimura, S; Xu, ZY; Jungclaus, A; Shimizu, Y; Simpson, GS; Soderstrom, PA; Watanabe, H; Browne, F; Doornenbal, P; Gey, G; Jung, HS; Meyer, B; Sumikama, T; Taprogge, J; Vajta, Z; Wu, J; Baba, H; Benzoni, G; Chae, KY; Crespi, FCL; Fukuda, N; Gernhauser, R; Inabe, N; Isobe, T; Kajino, T; Kameda, D; Kim, GD; Kim, YK; Kojouharov, I; Kondev, FG; Kubo, T; Kurz, N; Kwon, YK; Lane, GJ; Li, Z; Montaner-Piza, A; Moschner, K; Naqvi, F; Niikura, M; Nishibata, H; Odahara, A; Orlandi, R; Patel, Z; Podolyak, Z; Sakurai, H; Schaffner, H; Schury, P; Shibagaki, S; Steiger, K; Suzuki, H; Takeda, H; Wendt, A; Yagi, A; Yoshinaga, K	Zuo Li	beta-Decay Half-Lives of 110 Neutron-Rich Nuclei across the N=82 Shell Gap: Implications for the Mechanism and Universality of the Astrophysical r Process	PHYSICAL REVIEW LETTERS	10.1103/PhysRevLett.114.192501
2015	Lessing, M; Margolis, HS; Brown, CTA; Marra, G	Maurice Lessing	Simultaneous Time and Frequency Transfer over a 158-km-Long Fiber Network Using a Mode-Locked Laser	2015 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO)	10.1364/cleo_si.2015.sth3n.2

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2015	Taralli, E; Filippo, R; Brida, G; Rajteri, M; Hall, SRG; Bialek, A; Greenwell, C; Fox, N	Agnieszka Bialek, Simon Hall	LED-based field radiometer for sensor web in-situ measurements	2015 2ND IEEE INTERNATIONAL WORKSHOP ON METROLOGY FOR AEROSPACE (METROAEROSPACE)	10.1109/MetroAeroSpace.2015.7180675
2015	Baca, L; Janek, M; Kovacova, Z; Molloy, JF; Naftaly, M	John Molloy	Dielectric properties of CaZrO3 investigated by THz-TDS	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1109/irmmw-thz.2015.7327890
2015	Bendall, TM; Hills, RE; Naftaly, M; Molloy, J	John Molloy	Refractivity of Water Vapor at Terahertz Frequencies - Comparison of Measurements with Models	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1109/irmmw-thz.2015.7327900
2015	Molloy, J; Naftaly, M; Andreev, YM; Kokh, K; Lanskii, GV; Svetlichnyi, VA	John Molloy	Evolution of GaSe1-xSx phonon absorption peaks with S-doping studied by THz-TDS	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1109/IRMMW-THz.2015.7327728
2015	Molloy, JF; Naftaly, M; Andreev, YM; Kokh, K; Lanskii, GV; Svetlichnyi, VA	John Molloy	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1364/oe.23.032820
2015	Naftaly, M; Molloy, J	John Molloy	A multi-lab intercomparison study of THz time-domain spectrometers	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1109/irmmw-thz.2015.7327897
2015	Naftaly, M; Ridler, N; Molloy, J; Shoaib, N; Stokes, D	John Molloy	A comparison method for THz measurements using VNA and TDS	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1109/irmmw-thz.2015.7327635
2015	Naftaly, M; Cain, MG; Lepadatu, S; Buchacher, T; Allam, J; Molloy, J	Till Buchacher, John Molloy	Dielectric constants of ferroelectric PZT at THz frequencies	2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ)	10.1109/irmmw-thz.2015.7327422
2015	Sokhan, VP; Jones, A; Cipcigan, FS; Crain, J; Martyna, GJ	Flaviu Cipcigan	Molecular-Scale Remnants of the Liquid-Gas Transition in Supercritical Polar Fluids	PHYSICAL REVIEW LETTERS	10.1103/PhysRevLett.115.117801
2015	Ferrucci, M; Leach, RK; Giusca, C; Carmignato, S; Dewulf, W	Massimiliano Ferrucci	Towards geometrical calibration of x-ray computed tomography systems-a review	MEASUREMENT SCIENCE AND TECHNOLOGY	10.1088/0957-0233/26/9/092003

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2015	Ritzmann, D; Holderbaum, W; Potter, B; Wright, P	Deborah Ritzmann	Improving the Accuracy of Synchrophasor-based Overhead Line Impedance Measurement	2015 IEEE INTERNATIONAL WORKSHOP ON APPLIED MEASUREMENTS FOR POWER SYSTEMS (AMPS) PROCEEDINGS	10.1109/amps.2015.7312751
2015	Dawson, A; Maxwell, AS	Angela Dawson	Towards a Quantitative Methodology for Measuring Micro and Nanoscale Transition Properties for Heat Transfer Modelling in Thermal Devices and Materials	2015 21ST INTERNATIONAL WORKSHOP ON THERMAL INVESTIGATIONS OF ICS AND SYSTEMS (THERMINIC)	10.1109/therminic.2015.7389642
2015	Molloy, JF; Naftaly, M	John Molloy	Metrology for terahertz time-domain spectrometers	INTERNATIONAL CONFERENCE ON ATOMIC AND MOLECULAR PULSED LASERS XII	10.1117/12.2225622
2015	Gorrono, J; Gascon, F; Fox, NP	Javier Gorrono	Radiometric uncertainty per pixel for the Sentinel-2 L1C products	SENSORS, SYSTEMS, AND NEXT-GENERATION SATELLITES XIX	10.1117/12.2192974
2015	Greenwell, C; Bialek, A; Marks, A; Woolliams, E; Berthelot, B; Meygret, A; Marcq, S; Bouvet, M; Fox, N	Agnieszka Bialek	Preparation of a New Autonomous Instrumented Radiometric Calibration Site: Gobabeb, Namib Desert	SENSORS, SYSTEMS, AND NEXT-GENERATION SATELLITES XIX	10.1117/12.2194885
2015	Fenwick, A; Marshall, C; Spezi, E; Evans, W; Johansson, L	Andrew Fenwick	Quantitative Imaging of Zr-89 on a pre-clinical PET/CT system	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	DOI not available.
2015	Fenwick, A; Wevrett, J; Johansson, L	Andrew Fenwick, Jill Wevrett	Inter-comparison of quantitative imaging of lutetium-177 (177Lu) in European hospitals	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	10.1186/s40658-018-0213-z
2015	Fenwick, AJ; Johansson, L; Spezi, E; Evans, W; Marshall, C	Andrew Fenwick	Metrology for Zr-89 in the clinic	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	DOI not available.
2015	Gregory, R; Fenwick, A; Wevrett, J; Scuffham, J; Gear, J; Rushforth, D; Murray, I; Flux, G	Andrew Fenwick, Jill Wevrett	Standardisation of Dosimetry for a Multicentre trial of Selumetinib Enhanced Radioiodine Therapy for Thyroid Cancer	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	DOI not available.

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2015	Wevrett, J; Fenwick, A; Scuffham, J; Johansson, L; Nisbet, A	Andrew Fenwick, Jill Wevrett	One Size Fits All? Assessment of the Use of a Simple Calibration Protocol for Quantitative SPECT/CT Imaging of 177Lu in European Hospitals	EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING	DOI not available.
2015	Tantra, R; Oksel, C; Robinson, KN; Sikora, A; Wang, XZ; Wilkins, TA	Kenny Robinson	A method for assessing nanomaterial dispersion quality based on principal component analysis of particle size distribution data	PARTICUOLOGY	10.1016/j.partic.2014.10.004
2015	Ball, CP; Marks, AA; Green, PD; MacArthur, A; Maturilli, M; Fox, NP; King, MD	Chris Ball	Hemispherical-Directional Reflectance (HDRF) of Windblown Snow-Covered Arctic Tundra at Large Solar Zenith Angles	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING	10.1109/TGRS.2015.2421733
2015	Mignuzzi, S; Kumar, N; Brennan, B; Gilmore, IS; Richards, D; Pollard, AJ; Roy, D	Sandro Mignuzzi	Probing individual point defects in graphene via near-field Raman scattering	NANOSCALE	10.1039/c5nr04664e
2015	Palmer, AL; Dimitriadis, A; Nisbet, A; Clark, CH	Alexis Dimitriadis	Evaluation of Gafchromic EBT-XD film, with comparison to EBT3 film, and application in high dose radiotherapy verification	PHYSICS IN MEDICINE AND BIOLOGY	10.1088/0031-9155/60/22/8741
2015	Browne, F; Bruce, AM; Sumikama, T; Nishizuka, I; Nishimura, S; Doornenbal, P; Lorusso, G; Soderstrom, PA; Watanabe, H; Daido, R; Patel, Z; Rice, S; Sinclair, L; Wu, J; Xu, ZY; Yagi, A; Baba, H; Chiga, N; Carroll, R; Didierjean, F; Fang, Y; Fukuda, N; Gey, G; Ideguchi, E; Inabe, N; Isobe, T; Kameda, D; Kojouharov, I; Kurz, N; Kubo, T; Lalkovski, S; Li, Z; Lozeva, R; Nishibata, H; Odahara, A; Podolyak, Z; Regan, PH; Roberts, OJ; Sakurai, H; Schaffner, H; Simpson, GS; Suzuki, H; Takeda, H; Tanaka, M; Taprogge, J; Werner, V; Wieland, O	Zuo Li	Lifetime measurements of the first 2(+) states in Zr-104,Zr-106: Evolution of ground-state deformations	PHYSICS LETTERS B	10.1016/j.physletb.2015.09.043
2015	Vespucci, S; Winkelmann, A; Naresh-Kumar, G; Mingard, KP; Maneuski, D; Edwards, PR; Day, AP; O'Shea, V; Trager-Cowan, C	Stefano Vespucci	Digital direct electron imaging of energy-filtered electron backscatter diffraction patterns	PHYSICAL REVIEW B	10.1103/PhysRevB.92.205301

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2015	van Es, E; Hinchliff, J; Felipe-Sotelo, M; Milodowski, AE; Field, LP; Evans, NDM; Read, D	Elsje van Es	Retention of chlorine-36 by a cementitious backfill	MINERALOGICAL MAGAZINE	10.1180/minmag.2015.079.6.05
2015	Andreev, YM; Naftaly, M; Molloy, JF; Kokh, AE; Lanskii, GV; Svetlichnyi, VA; Losev, VF; Kononova, NG; Kokh, KA	John Molloy	LBO: optical properties and potential for THz application	LASER PHYSICS LETTERS	10.1088/1612-2011/12/11/115402
2015	Goniszewski, S; Gallop, J; Adabi, M; Gajewski, K; Shaforost, O; Klein, N; Sierakowski, A; Chen, J; Chen, YF; Gotszalk, T; Hao, L	Stefan Goniszewski	Self-supporting graphene films and their applications	IET CIRCUITS DEVICES & SYSTEMS	10.1049/iet-cds.2015.0149
2015	Larijani, C; Pickford, OL; Collins, SM; Ivanov, P; Jerome, SM; Keightley, JD; Pearce, AK; Regan, PH	Cyrus Larijani	Progress towards the prod	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2015.01.021
2015	Bajoga, AD; Alazemi, N; Regan, PH; Bradley, DA	Abubakar Bajoga	Radioactive investigation o	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.matlet.2015.01.041
2015	Hill-Pearce, RE; Eless, V; Lartsev, A; Martin, NA; Snook, ILB; Helmore, JJ; Yakimova, R; Gallop, JC; Hao, L	Viktoria Eless	The effect of bilayer regions on the response of epitaxial graphene devices to environmental gating	CARBON	10.1016/j.carbon.2015.05.061
2015	Li, C; Loh, TH; Tian, ZH; Xu, Q; Huang, Y	Chunpeng Li	A Comparison of Antenna Efficiency Measurements Performed in Two Reverberation Chambers Using Non-reference Antenna Methods	2015 LOUGHBOROUGH ANTENNAS & PROPAGATION CONFERENCE (LAPC)	10.1109/lapc.2015.7366141
2015	Castelletto, V; de Santis, E; Alkassem, H; Lamarre, B; Noble, JE; Ray, S; Bella, A; Burns, JR; Hoogenboom, BW; Ryadnov, MG	Hasan Alkassem	Structurally plastic peptide capsules for synthetic antimicrobial viruses	CHEMICAL SCIENCE	10.1039/c5sc03260a
2015	Obeisun, OA; Meyer, Q; Engebretsen, E; Finegan, DP; Robinson, JB; Hinds, G; Shearing, PR; Brett, DJL	Erik Engebretsen, Donal Finegan	Study of water accumulation dynamics in the channels of an open-cathode fuel cell through electro-thermal characterisation and droplet visualisation	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	10.1016/j.ijhydene.2015.07.066
2015	Naftaly, M; Molloy, JF; Andreev, YM; Kokh, KA; Lanskii, GV; Svetlichnyi, VA	John Molloy	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS	OPTICS EXPRESS	10.1364/OE.23.032820
2015	Dolezal, M; Balling, P; Nisbet-Jones, PBR; King, SA; Jones, JM; Klein, HA; Gill, P; Lindvall, T; Wallin, AE; Merimaa, M; Tamm, C; Sanner, C; Huntemann, N; Scharnhorst, N; Leroux, ID; Schmidt, PO; Burgermeister, T; Mehlstaubler, TE; Peik, E	Jonathan Jones	Analysis of thermal radiation in ion traps for optical frequency standards	METROLOGIA	10.1088/0026-1394/52/6/842

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2016	Engebretsen, E; Robinson, JB; Obeisun, O; Mason, T; Finegan, D; Hinds, G; Shearing, PR; Brett, DJL	Erik Engebretsen, Donal Finegan	Electro-thermal impedance spectroscopy applied to an open-cathode polymer electrolyte fuel cell	JOURNAL OF POWER SOURCES	10.1016/j.jpowsour.2015.10.047
2016	Hobson, R; Bowden, W; King, SA; Baird, PEG; Hill, IR; Gill, P	William Bowden, Richard Hobson	Modified hyper-Ramsey methods for the elimination of probe shifts in optical clocks	PHYSICAL REVIEW A	10.1103/PhysRevA.93.010501
2016	Naftaly, M; Cain, MG; Lepadatu, S; Buchacher, T; Allam, J	Till Buchacher	Dielectric constants of bulk ferroelectric PZT measured by terahertz time-domain spectroscopy	ADVANCES IN APPLIED CERAMICS	10.1080/17436753.2015.1130199
2016	Dimitriadis, A; Kirkby, KJ; Nisbet, A; Clark, CH	Alexis Dimitriadis	Current status of cranial stereotactic radiosurgery in the UK	BRITISH JOURNAL OF RADIOLOGY	10.1259/bjr.20150452
2016	Andreev, YM; Naftaly, M; Molloy, JF; Kokh, AE; Lanskii, GV; Svetlichnyi, VA; Losev, VF; Kononova, NG; Kokh, KA	John Molloy	LBO: optical properties and potential for THz application (vol 12, 115402, 2015)	LASER PHYSICS LETTERS	10.1088/1612-2011/13/1/019501
2016	Bharath, VJ; Millichamp, J; Neville, TP; Mason, TJ; Shearing, PR; Brown, RJC; Manos, G; Brett, DJL	Vidal Bharath	Measurement of water upt	JOURNAL OF MEMBRANE SCIENCI	10.1016/j.memsci.2015.09.027
2016	Patel, Z; Podolyak, Z; Walker, PM; Regan, PH; Soderstrom, PA; Watanabe, H; Ideguchi, E; Simpson, GS; Nishimura, S; Browne, F; Doornenbal, R; Lorusso, G; Rice, S; Sinclair, L; Sumikama, T; Wu, J; Xu, ZY; Aoi, N; Baba, H; Garrote, FLB; Benzoni, G; Daido, R; Dombradi, Z; Fang, Y; Fukuda, N; Gey, G; Go, S; Gottardo, A; Inabe, N; Isobe, T; Kameda, D; Kobayashi, K; Kobayashi, M; Komatsubara, T; Kojouharov, I; Kubo, T; Kurz, N; Kuti, I; Li, Z; Liu, HL; Matsushita, M; Michimasa, S; Moony, CB; Nishibata, H; Nishizuka, I; Odahara, A; Sahin, E; Sakurai, H; Schaffner, H; Suzuki, H; Takeda, H; Tanaka, M; Taprogge, J; Vajta, Z; Xu, FR; Yagi, A; Yokoyama, R	Zuo Li	Decay spectroscopy of Sm-160: The lightest four-quasiparticle K isomer	PHYSICS LETTERS B	10.1016/j.physletb.2015.12.026
2016	Naftaly, M; Molloy, JF; Magnusson, B; Andreev, YM; Lanskii, GV	John Molloy	Silicon carbide-a high-transparency nonlinear material for THz applications	OPTICS EXPRESS	10.1364/OE.24.002590
2016	Tantra, R; Bouwmeester, H; Bolea, E; Rey-Castro, C; David, CA; Dogne, JM; Jarman, J; Laborda, F; Laloy, J; Robinson, KN; Undas, AK; van der Zande, M	Kenny Robinson	Suitability of analytical methods to measure solubility for the purpose of nanoregulation	NANOTOXICOLOGY	10.3109/17435390.2015.1038661

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2016	Wu, J; Nishimura, S; Lorusso, G; Xu, ZY; Ideguchi, E; Simpson, GS; Baba, H; Browne, F; Daido, R; Doornebal, P; Fang, YF; Isobe, T; Li, Z; Patel, Z; Rice, S; Sinclair, L; Soderstrom, PA; Sumikama, T; Watanabe, H; Yagi, A; Yokoyama, R; Aoi, N; Garrote, FLB; Benzoni, G; Gey, G; Gottardo, A; Nishibata, H; Odahara, A; Sakurai, H; Tanaka, M; Taprogge, J; Yamamoto, T	Zuo Li	beta-decay half-lives of neutron-rich nuclei around Nd-158, relevant to the formation of the A approximate to 165 rare-earth element peak	13TH INTERNATIONAL SYMPOSIUM ON ORIGIN OF MATTER AND EVOLUTION OF GALAXIES (OMEG2015)	10.1051/epjconf/201610908003
2016	Kataoka, M; Johnson, N; Emary, C; See, P; Griffiths, JP; Jones, GAC; Farrer, I; Ritchie, DA; Pepper, M; Janssen, TJBM	Nathan Johnson	Time-of-Flight Measurements of Single-Electron Wave Packets in Quantum Hall Edge States	PHYSICAL REVIEW LETTERS	10.1103/PhysRevLett.116.126803
2016	Goniszewski, S; Adabi, M; Shaforost, O; Hanham, SM; Hao, L; Klein, N	Stefan Goniszewski	Correlation of p-doping in CVD Graphene with Substrate Surface Charges	SCIENTIFIC REPORTS	10.1038/srep22858
2016	Gopee, V; Thomas, O; Hunt, C; Stolojan, V; Allam, J; Silva, SRP	Vimal Gopee	Carbon Nanotube Interconnects Realized through Functionalization and Sintered Silver Attachment	ACS APPLIED MATERIALS & INTERFACES	10.1021/acsami.5b12057
2016	Fenwick, AJ; Ferreira, KM; Collins, SM	Andrew Fenwick	Measurement of the Cd-109 half-life	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2015.11.049
2016	Shams, H; Bajoga, AD; Alazemi, N; Bradley, DA; Regan, PH	Abubakar Bajoga	A preliminary evaluation of naturally occurring radioactivity concentration levels across the State of Kuwait	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2015.12.009
2016	Lorusso, G; Shearman, R; Regan, PH; Judge, SM; Bell, S; Collins, SM; Larijani, C; Ivanov, P; Jerome, SM; Keightley, JD; Lalkovski, S; Pearce, AK; Podolyak, Z	Cyrus Larijani	Development of the NPL gamma-ray spectrometer NANA for traceable nuclear decay and structure studies	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2015.12.050
2016	Finegan, DP; Tudisco, E; Scheel, M; Robinson, JB; Taiwo, OO; Eastwood, DS; Lee, PD; Di Michiel, M; Bay, B; Hall, SA; Hinds, G; Brett, DJL; Shearing, PR	Donal Finegan	Quantifying Bulk Electrode Strain and Material Displacement within Lithium Batteries via High-Speed Operando Tomography and Digital Volume Correlation	ADVANCED SCIENCE	10.1002/advs.201500332
2016	Nisbet-Jones, PBR; King, SA; Jones, JM; Godun, RM; Baynham, CFA; Bongs, K; Dolezal, M; Balling, P; Gill, P	Charles Baynham, Jonathan Jones	A single-ion trap with minimized ion-environment interactions	APPLIED PHYSICS B-LASERS AND OPTICS	10.1007/s00340-016-6327-x

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2016	Guan, SL; Donovan-Sheppard, O; Reece, C; Willock, DJ; Wain, AJ; Attard, GA	Oliver Donovan-Sheppard	Structure Sensitivity in Catalytic Hydrogenation at Platinum Surfaces Measured by Shell-Isolated Nanoparticle Enhanced Raman Spectroscopy (SHINERS)	ACS CATALYSIS	10.1021/acscatal.5b02872
2016	Moschetti, G; Forbes, A; Leach, RK; Jiang, X; O'Connor, D	Giuseppe Moschetti	Phase and fringe order determination in wavelength scanning interferometry	OPTICS EXPRESS	10.1364/OE.24.008997
2016	Svetlichnyi, VA; Naftaly, M; Molloy, JF; Andreev, YM; Kokh, KA; Lanskii, GV; Kononova, NG; Kokh, AE	John Molloy	Comments on "Optical properties of borate crystals in the terahertz domain"	OPTICS COMMUNICATIONS	10.1016/j.optcom.2015.11.046
2016	Jungclaus, A; Gargano, A; Grawe, H; Taprogge, J; Nishimura, S; Doornenbal, P; Lorusso, G; Shimizu, Y; Simpson, GS; Soderstrom, PA; Sumikama, T; Xu, ZY; Baba, H; Browne, F; Fukuda, N; Gernhauser, R; Gey, G; Inabe, N; Isobe, T; Jung, HS; Kameda, D; Kim, GD; Kim, YK; Kojouharov, I; Kubo, T; Kurz, N; Kwon, YK; Li, Z; Sakurai, H; Schaffner, H; Steiger, K; Suzuki, H; Takeda, H; Vajta, Z; Watanabe, H; Wu, J; Yagi, A; Yoshinaga, K; Bonig, S; Coraggio, L; Daugas, JM; Drouet, F; Gadea, A; Ilieva, S; Itaco, N; Kroll, T; Montaner-Piza, A; Moschner, K; Mucher, D; Nishibata, H; Odahara, A; Orlandi, R; Wendt, A	Zuo Li	First observation of gamma rays emitted from excited states south-east of Sn-132: The pi g(9/2)(-1) circle times nu f(7/2) multiplet of In-132(83)	PHYSICAL REVIEW C	10.1103/PhysRevC.93.041301
2016	Cashmore, MT; Koutsourakis, G; Gottschalg, R; Hall, SRG	Simon Hall, Georgios Koutsourakis	Optical technique for photovoltaic spatial current response measurements using compressive sensing and random binary projections	JOURNAL OF PHOTONICS FOR ENERGY	10.1117/1.JPE.6.025508
2016	Constantinou, M; Rigas, GP; Castro, FA; Stolojan, V; Hoettges, KF; Hughes, MP; Adkins, E; Korgel, BA; Shkunov, M	Grigorios Rigas	Simultaneous Tunable Selection and Self-Assembly of Si Nanowires from Heterogeneous Feedstock	ACS NANO	10.1021/acsnano.6b00005
2016	Gajewski, K; Goniszewski, S; Szumska, A; Moczala, M; Kunicki, P; Gallop, J; Klein, N; Hao, L; Gotszalk, T	Stefan Goniszewski	Raman Spectroscopy and Kelvin Probe Force Microscopy characteristics of the CVD suspended graphene	DIAMOND AND RELATED MATERIALS	10.1016/j.diamond.2016.01.008

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2016	Su, WT; Kumar, N; Mignuzzi, S; Crain, J; Roy, D	Sandro Mignuzzi	Nanoscale mapping of excitonic processes in single-layer MoS2 using tip-enhanced photoluminescence microscopy	NANOSCALE	10.1039/c5nr07378b
2016	Wren, T; Gribkov, B; Petrashov, V; Kazakova, O	Tom Wren	Phase diagram of magnetic states in nickel submicron disks (vol 118, 023906, 2015)	JOURNAL OF APPLIED PHYSICS	10.1063/1.4949324
2016	Tillner, J; McKenzie, JS; Jones, EA; Speller, AVM; Walsh, JL; Veselkov, KA; Bunch, J; Takats, Z; Gilmore, IS	Jocelyn Tillner	Investigation of the Impact of Desorption Electrospray Ionization Sprayer Geometry on Its Performance in Imaging of Biological Tissue	ANALYTICAL CHEMISTRY	10.1021/acs.analchem.6b00345
2016	Ahmad, R; Royle, G; Lourenco, A; Schwarz, M; Fracchiolla, F; Ricketts, K	Ana Lourenco	Investigation into the effects of high-Z nano materials in proton therapy	PHYSICS IN MEDICINE AND BIOLOGY	10.1088/0031-9155/61/12/4537
2016	Rabobason, YG; Rigas, G; Swaisaenyakorn, S; Mirkhaydarov, B; Ravelo, B; Shkunov, M; Young, P; Benjelloun, N	Grigorios Rigas	Design and synthesis of flexible switching 1 x 2 antenna array on Kapton substrate	EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS	10.1051/epjap/2016160082
2016	Weber, J; Wain, AJ; Piili, H; Matilainen, VP; Vuorema, A; Attard, GA; Marken, F	James Weber	Residual Porosity of 3D-LAM-Printed Stainless-Steel Electrodes Allows Galvanic Exchange Platinisation	CHEMELECTROCHEM	10.1002/celc.201600098
2016	Melios, C; Spencer, S; Shard, A; Strupinski, W; Silva, SRP; Kazakova, O	Christos Melios	Surface and interface structure of quasi-free standing graphene on SiC	2D MATERIALS	10.1088/2053-1583/3/2/025023
2016	D'Arienzo, M; Cazzato, M; Cozzella, ML; Cox, M; D'Andrea, M; Fazio, A; Fenwick, A; Iaccarino, G; Johansson, L; Strigari, L; Ungania, S; De Felice, P	Andrew Fenwick	Gamma camera calibration and validation for quantitative SPECT imaging with Lu-177	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2016.03.007
2016	Finegan, DP; Scheel, M; Robinson, JB; Tjaden, B; Di Michiel, M; Hinds, G; Brett, DJL; Shearing, PR	Donal Finegan	Investigating lithium-ion battery materials during overcharge-induced thermal runaway: an operando and multi-scale X-ray CT study	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	10.1039/c6cp04251a
2016	Ritzmann, D; Wright, PS; Davis, P; Holderbaum, W; Potter, B	Deborah Ritzmann	Synchrophasor-based Transmission Line Impedance Measurement	2016 CONFERENCE ON PRECISION ELECTROMAGNETIC MEASUREMENTS (CPEM 2016)	10.1109/CPEM.2016.7540661
2016	Shautsova, V; Gilbertson, AM; Black, NCG; Maier, SA; Cohen, LF	Nicola Black	Hexagonal Boron Nitride assisted transfer and encapsulation of large area CVD graphene	SCIENTIFIC REPORTS	10.1038/srep30210
2016	Steven, RT; Dexter, A; Bunch, J	Alexander Dexter	Investigating MALDI MSI parameters (Part 1) - A systematic survey of the effects of repetition rates up to 20 kHz in continuous raster mode	METHODS	10.1016/j.ymeth.2016.04.010

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2016	Steven, RT; Dexter, A; Bunch, J	Alexander Dexter	Investigating MALDI MSI parameters (Part 2) - On the use of a mechanically shuttered trigger system for improved laser energy stability	METHODS	10.1016/j.ymeth.2016.04.013
2016	Moschetti, G; Forbes, A; Leach, RK; Jiang, X; O'Connor, D	Giuseppe Moschetti	Quadrature wavelength scanning interferometry	APPLIED OPTICS	10.1364/AO.55.005332
2016	Leute, J; Huntemann, N; Lipphardt, B; Tamm, C; Nisbet-Jones, PBR; King, SA; Godun, RM; Jones, JM; Margolis, HS; Whibberley, PB; Wallin, A; Merimaa, M; Gill, P; Peik, E	Jonathan Jones	Frequency Comparison of Yb-171(+) Ion Optical Clocks at PTB and NPL via GPS PPP	IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL	10.1109/TUFFC.2016.2524988
2016	Lourenco, A; Thomas, R; Bouchard, H; Kacperek, A; Vondracek, V; Royle, G; Palmans, H	Ana Lourenco	Experimental and Monte Carlo studies of fluence corrections for graphite calorimetry in low- and high-energy clinical proton beams	MEDICAL PHYSICS	10.1118/1.4951733
2016	Alazemi, N; Bajoga, AD; Bradley, DA; Regan, PH; Shams, H	Abubakar Bajoga	Soil radioactivity levels, radiological maps and risk assessment for the state of Kuwait	CHEMOSPHERE	10.1016/j.chemosphere.2016.03.057
2016	Ferrucci, M; Ametova, E; Carmignato, S; Dewulf, W	Massimiliano Ferrucci	Evaluating the effects of detector angular misalignments on simulated computed tomography data	PRECISION ENGINEERING-JOURNAL OF THE INTERNATIONAL SOCIETIES FOR PRECISION ENGINEERING AND NANOTECHNOLOGY	10.1016/j.precisioneng.2016.03.001
2016	Melios, C; Centeno, A; Zurutuza, A; Panchal, V; Giusca, CE; Spencer, S; Silva, SRP; Kazakova, O	Christos Melios	Effects of humidity on the electronic properties of graphene prepared by chemical vapour deposition	CARBON	10.1016/j.carbon.2016.03.018
2016	Hill, IR; Hobson, R; Bowden, W; Bridge, EM; Donnellan, S; Curtis, EA; Gill, P	William Bowden, Richard Hobson	A low maintenance Sr optical lattice clock	8TH SYMPOSIUM ON FREQUENCY STANDARDS AND METROLOGY 2015	10.1088/1742-6596/723/1/012019
2016	Wang, XS; Li, TY; Cox, D; Gallop, J; Li, JJ; Zhong, Y; Cao, WH; Zhong, Q; Li, Z; Zhang, MY; Hao, L	Tianyi Li, Zuo Li	Investigation of Niobium nanoSQUIDs Based on Nanobridge Junctions	2016 CONFERENCE ON PRECISION ELECTROMAGNETIC MEASUREMENTS (CPEM 2016)	10.1109/CPEM.2016.7540718
2016	Wisby, IS; de Graaf, SE; Gwilliam, R; Adamyan, A; Kubatkin, SE; Meeson, PJ; Tzalenchuk, AY; Lindstrom, T	Ilana Wisby	Angle-Dependent Microresonator ESR Characterization of Locally Doped Gd3+:Al2O3	PHYSICAL REVIEW APPLIED	10.1103/PhysRevApplied.6.024021

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2016	Hall, SRG; Cashmore, M; Blackburn, J; Koutsourakis, G; Gottschalg, R	Simon Hall, Georgios Koutsourakis	Compressive Current Response Mapping of Photovoltaic Devices Using MEMS Mirror Arrays	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	10.1109/TIM.2016.2559878
2016	Winters, M; Sveinbjornsson, EO; Melios, C; Kazakova, O; Strupinski, W; Rorsman, N	Christos Melios	Characterization and physical modeling of MOS capacitors in epitaxial graphene monolayers and bilayers on 6H-SiC	AIP ADVANCES	10.1063/1.4961361
2016	Giusca, CE; Rungger, I; Panchal, V; Melios, C; Lin, Z; Lin, YC; Kahn, E; Elias, AL; Robinson, JA; Terrones, M; Kazakova, O	Christos Melios	Excitonic Effects in Tungsten Disulfide Monolayers on Two-Layer Graphene	ACS NANO	10.1021/acsnano.6b03518
2016	Eichstadt, S; Wilkens, V; Dienstfrey, A; Hale, P; Hughes, B; Jarvis, C	Charles Jarvis	On challenges in the uncertainty evaluation for time-dependent measurements	METROLOGIA	10.1088/0026-1394/53/4/S125
2016	Jungclaus, A; Grawe, H; Nishimura, S; Doornenbal, P; Lorusso, G; Simpson, GS; Soderstrom, PA; Sumikama, T; Taprogge, J; Xu, ZY; Baba, H; Browne, F; Fukuda, N; Gernhauser, R; Gey, G; Inabe, N; Isobe, T; Jung, HS; Kameda, D; Kim, GD; Kim, YK; Kojouharov, I; Kubo, T; Kurz, N; Kwon, YK; Li, Z; Sakurai, H; Schaffner, H; Shimizu, Y; Steiger, K; Suzuki, H; Takeda, H; Vajta, Z; Watanabe, H; Wu, J; Yagi, A; Yoshinaga, K; Benzoni, G; Bonig, S; Chae, KY; Coraggio, L; Daugas, JM; Drouet, F; Gadea, A; Gargano, A; Ilieva, S; Itaco, N; Kondev, FG; Kroll, T; Lane, GJ; Montaner-Piza, A; Moschner, K; Mucher, D; Naqvi, F; Niikura, M; Nishibata, H; Odahara, A; Orlandi, R; Patel, Z; Podolyak, Z; Wendt, A	Zuo Li	beta decay of semi-magic Cd-130: Revision and extension of the level scheme of In-130	PHYSICAL REVIEW C	10.1103/PhysRevC.94.024303
2016	Sun, WJ; Brown, S; Flay, N; McCarthy, M; McBride, J	Nadia Flay	A reference sample for investigating the stability of the imaging system of x-ray computed tomography	MEASUREMENT SCIENCE AND TECHNOLOGY	10.1088/0957-0233/27/8/085004
2016	Gorrono, J; Bialek, A; Green, PD; Harris, P; Scanlon, T; Fox, NP; Underwood, C	Agnieszka Bialek, Javier Gorrono	Non-normal distribution of the top-of-atmosphere satellite optical measurements over calibration sites	INTERNATIONAL JOURNAL OF REMOTE SENSING	10.1080/01431161.2016.1220030
2016	Wood, S; Rigas, GP; Zoladek-Lemanczyk, A; Blakesley, JC; Georgakopoulos, S; Mas-Torrent, M; Shkunov, M; Castro, FA	Grigorios Rigas	Precise Characterisation of Molecular Orientation in a Single Crystal Field-Effect Transistor Using Polarised Raman Spectroscopy	SCIENTIFIC REPORTS	10.1038/srep33057

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2016	Patel, Z; Podolyak, Z; Walker, PM; Regan, PH; Soderstrom, PA; Watanabe, H; Ideguchi, E; Simpson, GS; Nishimura, S; Browne, F; Doornenbal, P; Lorusso, G; Rice, S; Sinclair, L; Sumikama, T; Wu, J; Xu, ZY; Aoi, N; Baba, H; Garrote, FLB; Benzoni, G; Daido, R; Dombradi, Z; Fang, Y; Fukuda, N; Gey, G; Go, S; Gottardo, A; Inabe, N; Isobe, T; Kameda, D; Kobayashi, K; Kobayashi, M; Komatsubara, T; Kojouharov, I; Kubo, T; Kurz, N; Kuti, I; Li, Z; Liu, HL; Matsushita, M; Michimasa, S; Moon, CB; Nishibata, H; Nishizuka, I; Odahara, A; Sahin, E; Sakurai, H; Schaffner, H; Suzuki, H; Takeda, H; Tanaka, M; Taprogge, J; Vajta, Z; Xu, FR; Yagi, A; Yokoyama, R	Zuo Li	beta-decay spectroscopy of neutron-rich Sm-160,Sm-161,Sm-162 isotopes	HEAVY ION ACCELERATOR SYMPOSIUM 2015: INTERNATIONAL NUCLEAR STRUCTURE CONFERENCE IN REMEMBRANCE OF GEORGE DRACOULIS	10.1051/epjconf/201612302002
2016	Guyader, CPE; Lamarre, B; De Santis, E; Noble, JE; Slater, NK; Ryadnov, MG	Christian Guyader	Autonomously folded alpha-helical lockers promote RNAi	SCIENTIFIC REPORTS	10.1038/srep35012
2016	Race, AM; Palmer, AD; Dexter, A; Steven, RT; Styles, IB; Bunch, J	Alexander Dexter	SpectralAnalysis: Software for the Masses	ANALYTICAL CHEMISTRY	10.1021/acs.analchem.6b01643
2016	Jones, HG; Day, AP; Cox, DC	Helen Jones	Electron backscatter diffraction studies of focused ion beam induced phase transformation in cobalt	MATERIALS CHARACTERIZATION	10.1016/j.matchar.2016.09.004
2016	Lolli, L; Li, T; Portesi, C; Taralli, E; Acharya, N; Chen, K; Rajteri, M; Cox, D; Monticone, E; Gallop, J; Hao, L	Tianyi Li	Micro-SQUIDs based on MgB2 nano-bridges for NEMS readout	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	10.1088/0953-2048/29/10/104008
2016	Ritzmann, D; Wright, PS; Holderbaum, W; Potter, B	Deborah Ritzmann	A Method for Accurate Transmission Line Impedance Parameter Estimation	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	10.1109/TIM.2016.2556920
2016	Finegan, DP; Cooper, SJ; Tjaden, B; Taiwo, OO; Gelb, J; Hinds, G; Brett, DJL; Shearing, PR	Donal Finegan	Characterising the structural properties of polymer separators for lithium-ion batteries in 3D using phase contrast X-ray microscopy	JOURNAL OF POWER SOURCES	10.1016/j.jpowsour.2016.09.132
2016	Rigas, GP; Payne, MM; Anthony, JE; Horton, PN; Castro, FA; Shkunov, M	Grigorios Rigas	Spray printing of organic semiconducting single crystals	NATURE COMMUNICATIONS	10.1038/ncomms13531
2016	Dexter, A; Race, AM; Styles, IB; Bunch, J	Alexander Dexter	Testing for Multivariate Normality in Mass Spectrometry Imaging Data: A Robust Statistical Approach for Clustering Evaluation and the Generation of Synthetic Mass Spectrometry Imaging Data Sets	ANALYTICAL CHEMISTRY	10.1021/acs.analchem.6b02139

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2016	Lourenco, A; Wellock, N; Thomas, R; Homer, M; Bouchard, H; Kanai, T; MacDougall, N; Royle, G; Palmans, H	Ana Lourenco	Theoretical and experimental characterization of novel water-equivalent plastics in clinical high-energy carbon-ion beams	PHYSICS IN MEDICINE AND BIOLOGY	10.1088/0031-9155/61/21/7623
2016	Balmer, MJI; Gamage, KAA; Taylor, GC	Matthew Balmer	A novel approach to neutron dosimetry	MEDICAL PHYSICS	10.1118/1.4964456
2016	Stant, LT; Aaen, PH; Ridler, NM	Laurence Stant	Comparing methods for evaluating measurement uncertainty given in the JCGM 'Evaluation of Measurement Data' documents	MEASUREMENT	10.1016/j.measurement.2016.08.015
2016	Buchacher, T; Lepadatu, S; Allam, J; Dorey, R; Cain, MG	Till Buchacher	Low field depoling phenomena in soft lead zirconate titanate ferroelectrics	JOURNAL OF ELECTROCERAMICS	10.1007/s10832-016-0052-z
2016	Billas, I; Shipley, D; Galer, S; Bass, G; Sander, T; Fenwick, A; Smyth, V	Andrew Fenwick	Development of a primary standard for absorbed dose from unsealed radionuclide solutions	METROLOGIA	10.1088/0026-1394/53/6/1259
2016	Cipcigan, FS; Sokhan, VP; Crain, J; Martyna, GJ	Flaviu Cipcigan	Electronic coarse graining enhances the predictive power of molecular simulation allowing challenges in water physics to be addressed	JOURNAL OF COMPUTATIONAL PHYSICS	10.1016/j.jcp.2016.08.030
2017	Roebuck, B; Mingard, KP; Jones, H; Bennett, EG	Helen Jones	Aspects of the metrology of contiguity measurements in WC based hard materials	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	10.1016/j.ijrmhm.2016.05.011
2017	De Santis, E; Alkassem, H; Lamarre, B; Faruqui, N; Bella, A; Noble, JE; Micale, N; Ray, S; Burns, JR; Yon, AR; Hoogenboom, BW; Ryadnov, MG	Hasan Alkassem	Antimicrobial peptide capsids of de novo design	NATURE COMMUNICATIONS	10.1038/s41467-017-02475-3

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2017	Ansari, S; Regis, JM; Jolie, J; Saed-Samii, N; Warr, N; Korten, W; Zielinska, M; Salsac, MD; Blanc, A; Jentschel, M; Koster, U; Mutti, P; Soldner, T; Simpson, GS; Drouet, F; Vancraeyenest, A; de France, G; Clement, E; Stezowski, O; Ur, CA; Urban, W; Regan, PH; Podolyak, Z; Larijani, C; Townsley, C; Carroll, R; Wilson, E; Mach, H; Fraile, LM; Paziy, V; Olaizola, B; Vedia, V; Bruce, AM; Roberts, OJ; Smith, JF; Scheck, M; Kroll, T; Hartig, AL; Ignatov, A; Ilieva, S; Lalkovski, S; Marginean, N; Otsuka, T; Shimizu, N; Togashi, T; Tsunoda, Y	Cyrus Larijani	Experimental study of the lifetime and phase transition in neutron-rich Zr-98,Zr-100,Zr-102	PHYSICAL REVIEW C	10.1103/PhysRevC.96.054323
2017	Mikheikin, A; Olsen, A; Leslie, K; Russell-Pavier, F; Yacoot, A; Picco, L; Payton, O; Toor, A; Chesney, A; Gimzewski, JK; Mishra, B; Reed, J	Freddie Russell-Pavier	DNA nanomapping using CRISPR-Cas9 as a programmable nanoparticle	NATURE COMMUNICATIONS	10.1038/s41467-017-01891-9
2017	Dexter, A; Race, AM; Steven, RT; Barnes, JR; Hulme, H; Goodwin, RJA; Styles, IB; Bunch, J	Alexander Dexter	Two-Phase and Graph-Based Clustering Methods for Accurate and Efficient Segmentation of Large Mass Spectrometry Images	ANALYTICAL CHEMISTRY	10.1021/acs.analchem.7b01758
2017	Puttock, R; Corte-Leon, H; Neu, V; Cox, D; Manzin, A; Antonov, V; Vavassori, P; Kazakova, O	Robert Puttock	V-Shaped Domain Wall Probes for Calibrated Magnetic Force Microscopy	IEEE TRANSACTIONS ON MAGNETICS	10.1109/TMAG.2017.2694324
2017	Votsi, H; Li, C; Aaen, PH; Ridler, NM	Haris Votsi	An Active Interferometric Method for Extreme Impedance On-Wafer Device Measurements	IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS	10.1109/LMWC.2017.2750086
2017	Jentschel, M; Blanc, A; de France, G; Koster, U; Leoni, S; Mutti, P; Simpson, G; Soldner, T; Ur, C; Urban, W; Ahmed, S; Astier, A; Augey, L; Back, T; Baczyk, P; Bajoga, A; Balabanski, D; Belgya, T; Benzoni, G; Bernards, C; Biswas, DC; Bocchi, G; Bottoni, S; Britton, R; Bruyneel, B; Burnett, J; Cakirli, RB; Carroll, R; Catford, W; Cederwall, B; Celikovic, I; Cieplicka-Oryn'czak, N; Clement, E; Cooper, N; Crespi, F; Csatlos, M; Curien, D; Czerwinski, M; Danu, LS; Davies, A; Didierjean, F; Drouet, F; Duche'ne, G; Ducoin, C; Eberhardt, K; Erturk, S; Fraile, LM; Gottardo, A; Grente, L; Grocutt, L; Guerrero, C; Guinet, D; Hartig, AL; Henrich, C; Ignatov, A; Ilieva, S; Ivanova, D; John, BV; John, R; Jolie, J; Kisyov, S; Krticka, M; Konstantinopoulos, T; Korgul, A; Krasznahorkay, A; Kroll, T; Kurpeta, J; Kuti, I; Lalkovski, S; Larijani, C; Leguillon, R; Lica, R; Litaize, O; Lozeva, R; Magron, C; Mancuso, C; Martinez, ER;	Cyrus Larijani	EXILL - a high-efficiency, high-resolution setup for gamma-spectroscopy at an intense cold neutron beam facility	JOURNAL OF INSTRUMENTATION	10.1088/1748-0221/12/11/P11003

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2017	Mohamud, H; van Es, EM; Sainsbury, T; Ivanov, P; Russell, B; Regan, PH; Ward, NI	Hibaaq Mohamud	Progress towards the development of a rapid analytical approach for separation of Ra-226 using dibenzo-18-crown-6 ether functionalised silica (SiO2) disks	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.02.020
2017	Larijani, C; Schwendner, P; Cockell, C; Ivanov, P; Russell, B; Aitken-Smith, P; Pearce, AK; Regan, PH	Cyrus Larijani	Destructive and non-destructive measurements of NORM in monazite-rich sands of Brazil	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.01.010
2017	Wevrett, J; Fenwick, A; Scuffham, J; Nisbet, A	Jill Wevrett, Andrew Fenwick	Development of a calibration protocol for quantitative imaging for molecular radiotherapy dosimetry	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.02.053
2017	Dimitriadis, A; Patallo, IS; Billas, I; Duane, S; Nisbet, A; Clark, CH	Alexis Dimitriadis	Characterisation of a plastic scintillation detector to be used in a multicentre stereotactic radiosurgery dosimetry audit	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.02.023
2017	Fathi, K; Galer, S; Kirkby, KJ; Palmans, H; Nisbet, A	Kamran Fathi	Coupling Monte Carlo simulations with thermal analysis for correcting microdosimetric spectra from a novel micro-calorimeter	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.02.055
2017	Shearman, R; Collins, SM; Lorusso, G; Rudigier, M; Judge, SM; Bell, SJ; Podolyak, Z; Regan, PH	Robert Shearman	Commissioning of the UK NAtional Nuclear Array	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.02.007
2017	Larijani, C; Jerome, SM; Lorusso, G; Ivanov, P; Russell, B; Pearce, AK; Regan, PH	Cyrus Larijani	Progress on the chemical separation of fission fragments from Np-236 produced by proton irradiation of natural uranium target	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2017.02.004
2017	Day, M; Choonee, K; Cox, D; Thompson, M; Marshall, G; Sinclair, AG	Matthew Day	Continuous-relief diffractive microlenses for laser beam focusing	OPTICS EXPRESS	10.1364/OE.25.026987
2017	Chapman, JBJ; Cohen, RE; Kimmel, AV; Duffy, DM	Jacob Chapman	Improving the Functional Control of Aged Ferroelectrics Using Insights from Atomistic Modeling	PHYSICAL REVIEW LETTERS	10.1103/PhysRevLett.119.177602

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2017	Barrientos, IJH; Paladino, E; Szabo, P; Brozio, S; Hall, PJ; Oseghale, CI; Passarelli, MK; Moug, SJ; Black, RA; Wilson, CG; Zelko, R; Lamprou, DA	Eleonora Paladino	Electrospun collagen-based nanofibres: A sustainable material for improved antibiotic utilisation in tissue engineering applications	INTERNATIONAL JOURNAL OF PHARMACEUTICS	10.1016/j.ijpharm.2017.08.071
2017	Ma, LM; Lu, ZG; Tan, JB; Liu, J; Ding, XM; Black, N; Li, TY; Gallop, J; Hao, L	Nicola Black, Tianyi Li	Transparent Conducting Graphene Hybrid Films To Improve Electromagnetic Interference (EMI) Shielding Performance of Graphene	ACS APPLIED MATERIALS & INTERFACES	10.1021/acsami.7b09372
2017	Domun, N; Paton, KR; Hadavinia, H; Sainsbury, T; Zhang, T; Mohamud, H	Nadiim Domun, Hibaaq Mohamud	Enhancement of Fracture Toughness of Epoxy Nanocomposites by Combining Nanotubes and Nanosheets as Fillers	MATERIALS	10.3390/ma10101179
2017	Tillner, J; Wu, V; Jones, EA; Pringle, SD; Karancsi, T; Dannhorn, A; Veselkov, K; McKenzie, JS; Takats, Z	Jocelyn Tillner	Faster, More Reproducible DESI-MS for Biological Tissue Imaging	JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY	10.1007/s13361-017-1714-z
2017	Black, NCG; Liu, CG; Pearce, R; Li, B; Maier, SA; Cohen, LF; Gallop, JC; Hao, L	Nicola Black	Graphene gas sensing using a non-contact microwave method	NANOTECHNOLOGY	10.1088/1361-6528/aa80f7
2017	Fletcher, JR; Naftaly, M; Molloy, JF; Andreev, YM; Kokh, KA; Lanskii, GV	John Molloy	Measurement of a phonon resonance in a GaSe crystal using THz free induction decay	VIBRATIONAL SPECTROSCOPY	10.1016/j.vibspec.2017.06.005
2017	Bowden, W; Hobson, R; Huillery, P; Gill, P; Jones, MPA; Hill, IR	William Bowden, Richard Hobson	Rydberg electrometry for optical lattice clocks	PHYSICAL REVIEW A	10.1103/PhysRevA.96.023419
2017	Mezzenga, E; D'Errico, V; D'Arienzo, M; Strigari, L; Panagiota, K; Matteucci, F; Severi, S; Paganelli, G; Fenwick, A; Bianchini, D; Marcocci, F; Sarnelli, A	Andrew Fenwick	Quantitative accuracy of Lu-177 SPECT imaging for molecular radiotherapy	PLOS ONE	10.1371/journal.pone.0182888
2017	Jones, HG; Norgren, SM; Kritikos, M; Mingard, KP; Gee, MG	Helen Jones	Examination of wear damage to rock-mining hardmetal drill bits	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	10.1016/j.ijrmhm.2017.01.013

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2017	Gorrono, J; Banks, AC; Fox, NP; Underwood, C	Javier Gorrono	Radiometric inter-sensor cross-calibration uncertainty using a traceable high accuracy reference hyperspectral imager	ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING	10.1016/j.isprsjprs.2017.07.002
2017	Billas, I; Shipley, D; Galer, S; Bass, G; Sander, T; Fenwick, A; Duane, S; Smyth, V	Andrew Fenwick	Reply to Comment on 'Development of a primary standard for absorbed dose from unsealed radionuclide solutions'	METROLOGIA	10.1088/1681-7575/aa78ff
2017	Dean, J; Collins, S; Miranda, MG; Ivanov, P; Larijani, C; Woods, S	Cyrus Larijani	Consensus evaluation of radioactivity-in-soil reference materials in the context of an NPL Environmental Radioactivity Proficiency Test Exercise	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2017.01.027
2017	Maringer, FJ; Baumgartner, A; Cardellini, F; Cassette, P; Crespo, T; Dean, J; Wiedner, H; Hulka, J; Hult, M; Jerome, S; Kabrt, F; Kovar, P; Larijani, C; Lutter, G; Marouli, M; Mauring, A; Mazanova, M; Michalik, B; Michielsen, N; Peyres, V; Pierre, S; Pollanen, R; Pomme, S; Reis, M; Stietka, M; Szucs, L; Vodenik, B	Cyrus Larijani	Advancements in NORM metrology - Results and impact of the European joint research project MetroNORM	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2017.02.040
2017	Larijani, C; Pearce, AK; Regan, PH; Russell, BC; Jerome, SM; Crespo, MT; de Felice, P; Lutter, G; Maringer, F; Mazanova, M	Cyrus Larijani	Reference materials produced for a European metrological research project focussing on measurements of NORM	APPLIED RADIATION AND ISOTOPES	10.1016/j.apradiso.2017.02.007
2017	Bajoga, AD; Alazemi, N; Shams, H; Regan, PH; Bradley, DA	Abubakar Bajoga	Evaluation of naturally occurring radioactivity across the State of Kuwait using high-resolution gamma-ray spectrometry	RADIATION PHYSICS AND CHEMISTRY	10.1016/j.radphyschem.2016.02.013
2017	Wren, T; Puttock, R; Gribkov, B; Vdovichev, S; Kazakova, O	Tom Wren, Robert Puttock	Switchable bi-stable multilayer magnetic probes for imaging of soft magnetic structures	ULTRAMICROSCOPY	10.1016/j.ultramic.2017.03.032
2017	Guarrera, V; Moore, R; Bunting, A; Vanderbruggen, T; Ovchinnikov, [illegible]	Richard Moore, Alexander Bunting	Distributed quasi-Bragg beam splitter in crossed atomic waveguides	SCIENTIFIC REPORTS	10.1038/s41598-017-04710-9

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2017	Pyne, ALB; Pfeil, MP; Bennett, I; Ravi, J; Lamarre, B; Hoogenboom, BW; Ryadnov, MG	Marc Pfeil	Investigating the mechanism of action of a novel antimicrobial peptide on live E. coli cells	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS	DOI not available.
2017	Hulme, HE; Meikle, LM; Wessel, H; Strittmatter, N; Swales, J; Thomson, C; Nilsson, A; Nibbs, RJB; Milling, S; Andren, PE; Mackay, CL; Dexter, A; Bunch, J; Goodwin, RJA; Burchmore, R; Wall, DM	Alexander Dexter	Mass spectrometry imaging identifies palmitoylcarnitine as an immunological mediator during Salmonella Typhimurium infection	SCIENTIFIC REPORTS	10.1038/s41598-017-03100-5
2017	Delva, P; Lodewyck, J; Bilicki, S; Bookjans, E; Vallet, G; Le Targat, R; Pottie, PE; Guerlin, C; Meynadier, F; Le Poncin-Lafitte, C; Lopez, O; Amy-Klein, A; Lee, WK; Quintin, N; Lisdat, C; Al-Masoudi, A; Dorscher, S; Grebing, C; Grosche, G; Kuhl, A; Raupach, S; Sterr, U; Hill, IR; Hobson, R; Bowden, W; Kronjager, J; Marra, G; Rolland, A; Baynes, FN; Margolis, HS; Gill, P	Richard Hobson, William Bowden	Test of Special Relativity Using a Fiber Network of Optical Clocks	PHYSICAL REVIEW LETTERS	10.1103/PhysRevLett.118.221102
2017	Lalonde, A; Baer, E; Bouchard, H	Esther Baer	A Bayesian Method to Derive Proton Stopping Powers of Human Tissues From Multi-Energy CT Data	MEDICAL PHYSICS	10.1002/mp.12489
2017	Baer, E; Lalonde, A; Royle, G; Bouchard, H	Esther Baer	The potential of dual-energy CT to reduce proton beam range uncertainties	MEDICAL PHYSICS	10.1002/mp.12215
2017	Lourenco, A; Shipley, D; Wellock, N; Thomas, R; Bouchard, H; Kacperek, A; Fracchiolla, F; Lorentini, S; Schwarz, M; MacDougall, N; Royle, G; Palmans, H	Ana Lourenco	Experimental Evaluation of the Water-Equivalence of Novel Plastic Materials in Clinical Proton Beams	MEDICAL PHYSICS	DOI not available.
2017	da Silva, R; Pearce, JV; Machin, G	Rodrigo Da Silva	A systematic evaluation of contemporary impurity correction methods in ITS-90 aluminium fixed point cells	METROLOGIA	10.1088/1681-7575/aa6ab3
2017	Patel, T; Li, B; Li, TY; Wang, R; Gallop, JC; Cox, DC; Chen, J; Romans, EJ; Hao, L	Trupti Patel, Bo Li, Rui Wang	Toward the Use of NanoSQUIDs to Measure the Displacement of an NEMS Resonator	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	10.1109/TASC.2017.2667404

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2017	Lessing, M; Margolis, HS; Brown, CTA; Marra, G	Maurice Lessing	Frequency comb-based time transfer over a 159km long installed fiber network	APPLIED PHYSICS LETTERS	10.1063/1.4984144
2017	Lourenco, A; Shipley, D; Wellock, N; Thomas, R; Bouchard, H; Kacperek, A; Fracchiolla, F; Lorentini, S; Schwarz, M; MacDougall, N; Royle, G; Palmans, H	Ana Lourenco	Evaluation of the water-equivalence of plastic materials in low- and high-energy clinical proton beams	PHYSICS IN MEDICINE AND BIOLOGY	10.1088/1361-6560/aa67d4
2017	Calders, K; Disney, MI; Armston, J; Burt, A; Brede, B; Origo, N; Muir, J; Nightingale, J	Niall Origo	Evaluation of the Range Accuracy and the Radiometric Calibration of Multiple Terrestrial Laser Scanning Instruments for Data Interoperability	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING	10.1109/TGRS.2017.2652721
2017	Origo, N; Calders, K; Nightingale, J; Disney, M	Niall Origo	Influence of levelling technique on the retrieval of canopy structural parameters from digital hemispherical photography	AGRICULTURAL AND FOREST METEOROLOGY	10.1016/j.agrformet.2017.02.004
2017	Lourenco, A; Thomas, R; Homer, M; Bouchard, H; Rossomme, S; Renaud, J; Kanai, T; Royle, G; Palmans, H	Ana Lourenco	Fluence correction factor for graphite calorimetry in a clinical high-energy carbon-ion beam	PHYSICS IN MEDICINE AND BIOLOGY	10.1088/1361-6560/aa6147
2017	Andreev, YM; Kokh, AE; Kokh, KA; Lanskii, GV; Litvinenko, K; Mamrashev, AA; Molloy, JF; Murdin, B; Naftaly, M; Nikolaev, NA; Svetlichnyi, VA	John Molloy	Observation of a different birefringence order at optical and THz frequencies in LBO crystal	OPTICAL MATERIALS	10.1016/j.optmat.2017.01.031
2017	Hueni, A; Bialek, A	Agnieszka Bialek	Cause, Effect, and Correction of Field Spectroradiometer Interchannel Radiometric Steps	IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING	10.1109/JSTARS.2016.2625043
2017	Sainsbury, T; Gnaniah, S; Spencer, SJ; Mignuzzi, S; Belsey, NA; Paton, KR; Satti, A	Sandro Mignuzzi	Extreme mechanical reinforcement in graphene oxide based thin-film nanocomposites via covalently tailored nanofiller matrix compatibilization	CARBON	10.1016/j.carbon.2016.11.061

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2017	Silver, JM; Guo, CL; Del Bino, L; Del'Haye, P	Leonardo Del Bino	Kerr superoscillator model for microresonator frequency combs	PHYSICAL REVIEW A	10.1103/PhysRevA.95.033835
2017	Melios, C; Winters, M; Strupinski, W; Panchal, V; Giusca, CE; Jayawardena, KDGI; Rorsman, N; Silva, SRP; Kazakova, O	Christos Melios	Tuning epitaxial graphene sensitivity to water by hydrogen intercalation	NANOSCALE	10.1039/c6nr09465a
2017	Adabi, M; Lischner, J; Hanham, SM; Mihai, AP; Shaforost, O; Wang, R; Hao, L; Petrov, PK; Klein, N	Rui Wang	Microwave Study of Field-Effect Devices Based on Graphene/Aluminum Nitride/Graphene Structures	SCIENTIFIC REPORTS	10.1038/srep44202
2017	Carvalho, BR; Wang, YX; Mignuzzi, S; Roy, D; Terrones, M; Fantini, C; Crespi, VH; Malard, LM; Pimenta, MA	Sandro Mignuzzi	Intervalley scattering by acoustic phonons in two-dimensional MoS2 revealed by double-resonance Raman spectroscopy	NATURE COMMUNICATIONS	10.1038/ncomms14670
2017	Johnson, N; Fletcher, JD; Humphreys, DA; See, P; Griffiths, JP; Jones, GAC; Farrer, I; Ritchie, DA; Pepper, M; Janssen, TJBM; Kataoka, M	Nathan Johnson	Ultrafast voltage sampling using single-electron wavepackets	APPLIED PHYSICS LETTERS	10.1063/1.4978388
2017	Koutsourakis, G; Cashmore, M; Hall, SRG; Bliss, M; Betts, TR; Gottschalg, R	Simon Hall	Compressed Sensing Current Mapping Spatial Characterization of Photovoltaic Devices	IEEE JOURNAL OF PHOTOVOLTAICS	10.1109/JPHOTOV.2016.2646900
2017	Kataoka, M; Fletcher, JD; Johnson, N	Nathan Johnson	Time-resolved single-electron wave-packet detection	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	10.1002/pssb.201600547
2017	Davy, PM; Tremper, AH; Nicolosi, EMG; Quincey, P; Fuller, GW	Eleonora Nicolosi	Estimating particulate black carbon concentrations using two offline light absorption methods applied to four types of filter media	ATMOSPHERIC ENVIRONMENT	10.1016/j.atmosenv.2016.12.010
2017	Del Bino, L; Silver, JM; Stebbings, SL; Del'Haye, P	Leonardo Del Bino	Symmetry Breaking of Counter-Propagating Light in a Nonlinear Resonator	SCIENTIFIC REPORTS	10.1038/srep43142
2017	Stant, L; Aaen, P; Ridler, N	Laurence Stant	Evaluating residual errors in waveguide VNAs from microwave to submillimetre-wave frequencies	IET MICROWAVES ANTENNAS & PROPAGATION	10.1049/iet-map.2016.0455

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2017	Obeisun, OA; Finegan, DP; Engebretsen, E; Robinson, JB; Taiwo, OO; Hinds, G; Shearing, PR; Brett, DJL	Donal Finegan, Erik Engebretsen	Ex-situ characterisation of water droplet dynamics on the surface of a fuel cell gas diffusion layer through wettability analysis and thermal characterisation	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	10.1016/j.ijhydene.2017.01.003
2017	Chapman, JBJ; Kimmel, AV; Duffy, DM	Jacob Chapman	Novel high-temperature ferroelectric domain morphology in PbTiO3 ultrathin films	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	10.1039/c6cp08157f
2017	Gorrono, J; Fomferra, N; Peters, M; Gascon, F; Underwood, CI; Fox, NP; Kirches, G; Brockmann, C	Javier Gorrono	A Radiometric Uncertainty Tool for the Sentinel 2 Mission	REMOTE SENSING	10.3390/rs9020178
2017	Pyne, A; Pfeil, MP; Bennett, I; Ravi, J; Iavicoli, P; Lamarre, B; Roethke, A; Ray, S; Jiang, HB; Bella, A; Reisinger, B; Yin, D; Little, B; Munoz-Garcia, JC; Cerasoli, E; Judge, PJ; Faruqui, N; Calzolai, L; Henrion, A; Martyna, GJ; Grovenor, CRM; Crain, J; Hoogenboom, BW; Watts, A; Ryadnov, MG	Marc Pfeil	Engineering monolayer poration for rapid exfoliation of microbial membranes	CHEMICAL SCIENCE	10.1039/c6sc02925f
2017	Barrientos, IJH; Paladino, E; Brozio, S; Passarelli, MK; Moug, S; Black, RA; Wilson, CG; Lamprou, DA	Eleonora Paladino	Fabrication and characterisation of drug-loaded electrospun polymeric nanofibers for controlled release in hernia repair	INTERNATIONAL JOURNAL OF PHARMACEUTICS	10.1016/j.ijpharm.2016.12.022
2017	Buchacher, T; Rokosz, M; Dorey, R; Allam, J; Gregory, A	Till Buchacher, Maciej Rokosz	Electrocaloric induced retarded ferroelectric switching	APPLIED PHYSICS LETTERS	10.1063/1.4973752
2017	Del Bino, L; Silver, JM; Zhao, X; Stebbings, SL; Del'Haye, P	Leonardo Del Bino	Isolators and Circulators Based on Kerr Nonreciprocity in Microresonators	2017 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO)	10.1364/CLEO_SI.2017.SM2N.6
2017	Del Bino, L; Silver, JM; Stebbings, SL; Del'Haye, P	Leonardo Del Bino	Spontaneous Symmetry Breaking of Counterpropagating Light in Microresonators	2017 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO)	10.1038/srep43142
2017	Silver, J; Del Bino, L; Del'Haye, P	Leonardo Del Bino	A Nonlinear Enhanced Microresonator Gyroscope	2017 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO)	10.1364/CLEO_SI.2017.SM1M.2
2017	Zhao, X; Silver, JM; Del Bino, L; Del'Haye, P	Leonardo Del Bino	Dual Comb Generation in a Single Microresonator	2017 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO)	10.1364/CLEO_SI.2017.STh3L.4

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2017	Ferreira, KM; Collins, SM; Fenwick, AJ	Andrew Fenwick	Half-life measurement of the medical radioisotope (177)LA produced from the Yb-176(n,gamma) reaction	ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY	10.1051/epjconf/201714608002
2017	Shearman, R; Collins, SM; Keightley, JD; Pearce, AK; Garnier, J	Robert Shearman	Absolute intensities of the gamma-ray emissions originating from the electron capture decay of Gd-153	ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY	10.1051/epjconf/201714610008
2017	Michotte, C; Nonis, M; Bergeron, D; Cessna, J; Fitzgerald, R; Pibida, L; Zimmerman, B; Fenwick, A; Ferreira, K; Keightley, J	Andrew Fenwick	Activity measurements of the radionuclides F-18 and Cu-64 for the NIST, USA in the ongoing comparisons BIPM.RI(II)-K4.F-18 and BIPM.RI(II)-K4.Cu-64	METROLOGIA	10.1088/0026-1394/54/1A/06011
2017	Banks, AC; Hunt, SE; Gorrono, J; Scanlon, T; Woolliams, ER; Fox, NP	Javier Gorrono	A comparison of validation and vicarious calibration of high and medium resolution satellite-borne sensors using RadCalNet	SENSORS, SYSTEMS, AND NEXT-GENERATION SATELLITES XXI	10.1117/12.2278528
2017	Dimitriadis, A; Palmer, AL; Thomas, RAS; Nisbet, A; Clark, CH	Alexis Dimitriadis	Adaptation and validation of a commercial head phantom for cranial radiosurgery dosimetry end-to-end audit	BRITISH JOURNAL OF RADIOLOGY	10.1259/bjr.20170053
2017	Bowden, W; Hill, IR; Baird, PEG; Gill, P	William Bowden	Note: A high-performance, low-cost laser shutter using a piezoelectric cantilever actuator	REVIEW OF SCIENTIFIC INSTRUMENTS	10.1063/1.4973774
2017	Roebuck, B; Mingard, KP; Jones, H; Bennett, EG	Helen Jones	Aspects of the metrology of contiguity measurements in WC based hard materials	INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS	10.1016/j.ijrmhm.2016.05.011
2018	Daffe, K. (Lille 1 University); Mubarak, F. (Van Swinden Laboratorium); Mascolo, V. (Lille 1 University); Votsi, H. (University of Surrey; National Physical Laboratory); Ridler, N. M. (University of Surrey); Dambrine, G. (Lille 1 University); Roch, I. (Lille 1 University); Haddadi, K. (Lille 1 University)	Haris Votsi	On-Wafer Broadband Microwave Measurement of High Impedance Devices-CPW Test Structures with Integrated Metallic Nano-Resistances	2018 48th European Microwave Conference (EuMC)	10.23919/eumc.2018.8541607

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2018	Mulholland, S. (National Physical Laboratory; University of Oxford); Donnellan, S. (National Physical Laboratory); Barwood, G.P. (National Physical Laboratory); Gentle, D. (National Physical Laboratory); Huang, G. (National Physical Laboratory); Klein, H.A. (National Physical Laboratory); Patel, P. (National Physical Laboratory); Walsh, G. (National Physical Laboratory); Baird, P.E.G. (University of Oxford); Gill, P. (National Physical Laboratory; University of Oxford)	Sean Mulholland	A Portable Microwave Clock Using Laser-Cooled Trapped 171 Yb+Ions	2018 IEEE International Frequency Control Symposium (IFCS)	10.1109/fcs.2018.8597512
2018	Hill, Ian R. (National Physical Laboratory); Hobson, Richard (National Physical Laboratory); Bowden, William (National Physical Laboratory); Schioppo, Marco (National Physical Laboratory); Silva, Alissa (National Physical Laboratory); Gill, Patrick (National Physical Laboratory); Margolis, Helen (National Physical Laboratory); Huillery, Paul H. (Durham University); Jones, Matthew P.A. (Durham University)	Richard Hobson, William Bowden	Sr Lattice Clocks at NPL	2018 IEEE International Frequency Control Symposium (IFCS)	10.1109/fcs.2018.8597491
2018	Whelan, Patrick R (Technical University of Denmark); Panchal, Vishal (National Physical Laboratory); Petersen, Dirch H (); Mackenzie, David M A (); Melios, Christos (National Physical Laboratory); Pasternak, Iwona (Warsaw University of Technology); Gallop, John (National Physical Laboratory); Østerberg, Frederik W (); U Jepsen, Peter (Technical University of Denmark); Strupinski, Wlodek (Warsaw University of Technology); Kazakova, Olga (National Physical Laboratory); Bøggild, Peter ()	Christos Melios	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide.	ACS Applied Materials & Interfaces	10.1021/acsami.8b11428
2018	Suenaga, Kenshiro (Kyushu University); Ji, Hyun Goo (Kyushu University); Lin, Yung-Chang (National Institute of Advanced Industrial Science and Technology); Vincent, Tom (National Physical Laboratory); Maruyama, Mina (University of Tsukuba); Aji, Adha Sukma (Kyushu University); Shiratsuchi, Yoshihiro (Kyushu University); Ding, Dong (Kyushu University); Kawahara, Kenji (Kyushu University); Okada, Susumu (University of Tsukuba); Panchal, Vishal (National Physical Laboratory); Kazakova, Olga (National Physical Laboratory); Hibino, Hiroki (Kwansei Gakuin University); Suenaga, Kazu (National Institute of Advanced Industrial Science and Technology); Ago, Hiroki (National Institute of Advanced Industrial Science and Technology; Kyushu University)	Tom Vincent	Surface-Mediated Aligned Growth of Monolayer MoS2 and In-Plane Heterostructures with Graphene on Sapphire.	ACS Nano	10.1021/acsnano.8b04612

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2018	Melios, Christos (National Physical Laboratory; University of Surrey); Panchal, Vishal (National Physical Laboratory); Edmonds, Kieran (Royal Holloway University of London); Lartsev, Arseniy (Chalmers University of Technology); Yakimova, Rositsa (Linköping University); Kazakova, Olga (National Physical Laboratory)	Christos Melios	Detection of Ultralow Concentration NO2 in Complex Environment Using Epitaxial Graphene Sensors.	ACS Sensors	10.1021/acssensors.8b00364
2018	Moro, Fabrizio (University of Nottingham; Linköping University); Bhuiyan, Mahabub A. (University of Nottingham); Kudrynskyi, Zakhar R. (University of Nottingham); Puttock, Robert (National Physical Laboratory); Kazakova, Olga (National Physical Laboratory); Makarovsky, Oleg (University of Nottingham); Fay, Michael W. (University of Nottingham); Parmenter, Christopher (University of Nottingham); Kovalyuk, Zakhar D. (); Fielding, Alistar J. (); Kern, Michal (University of Stuttgart); van Slageren, Joris (University of Stuttgart); Patanè, Amalia (University of Nottingham)	Robert Puttock	Room Temperature Uniaxial Magnetic Anisotropy Induced By Fe-Islands in the InSe Semiconductor Van Der Waals Crystal	Advanced Science	10.1002/advs.201800257
2018	Calders, Kim (National Physical Laboratory; University College London; Ghent University); Origo, Niall (National Physical Laboratory; University College London); Disney, Mathias (University College London; Natural Environment Research Council); Nightingale, Joanne (National Physical Laboratory); Woodgate, William (); Armston, John (University of Maryland, College Park); Lewis, Philip (University College London; Natural Environment Research Council)	Niall Origo	Variability and bias in active and passive ground-based measurements of effective plant, wood and leaf area index	Agricultural and Forest Meteorology	10.1016/j.agrformet.2018.01.029
2018	Steven, Rory T. (National Physical Laboratory); Shaw, Michael (National Physical Laboratory; University College London); Dexter, Alex (National Physical Laboratory); Murta, Teresa (National Physical Laboratory); Green, Felicia M. (National Physical Laboratory); Robinson, Kenneth N. (National Physical Laboratory); Gilmore, Ian S. (National Physical Laboratory); Takats, Zoltan (); Bunch, Josephine (National Physical Laboratory)	Kenneth Robinson	Construction and Testing of an Atmospheric-Pressure Transmission-Mode Matrix Assisted Laser Desorption Ionisation Mass Spectrometry Imaging Ion Source with Plasma Ionisation Enhancement	Analytica Chimica Acta	10.1016/j.aca.2018.11.003

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2018	de Jesus, Janella (University of Surrey; National Physical Laboratory); Bunch, Josephine (National Physical Laboratory); Verbeck, Guido (University of North Texas); Webb, Roger P (University of Surrey); Costa, Catia (University of Surrey); Goodwin, Richard J A (AstraZeneca (United Kingdom)); Bailey, Melanie J (University of Surrey)	Janella De jesus	Application of Various Normalization Methods for Microscale Analysis of Tissues Using Direct Analyte Probed Nanoextraction.	Analytical Chemistry	10.1021/acs.analchem.8b03016
2018	Bevington, P. (National Physical Laboratory); Gartman, R. (National Physical Laboratory); Chalupczak, W. (National Physical Laboratory); Deans, C. (University College London); Marmugi, L. (University College London); Renzoni, F. (University College London)	Patrick Bevington	Non-destructive structural imaging of steelwork with atomic magnetometers	Applied Physics Letters	10.1063/1.5042033
2018	Collins, S.M. (National Physical Laboratory); Keightley, J.D. (National Physical Laboratory); Ivanov, P. (National Physical Laboratory); Arinc, A. (National Physical Laboratory); Jerome, S.M. (National Physical Laboratory); Fenwick, A.J. (National Physical Laboratory); Pearce, A.K. (National Physical Laboratory)	Andrew Fenwick	The potential radio-immunotherapeutic α-emitter 227Th – part I: Standardisation via primary liquid scintillation techniques and decay progeny ingrowth measurements	Applied Radiation and Isotopes	10.1016/j.apradiso.2018.12.012
2018	Collins, S.M. (National Physical Laboratory); Keightley, J.D. (National Physical Laboratory); Ivanov, P. (National Physical Laboratory); Arinc, A. (National Physical Laboratory); Fenwick, A.J. (National Physical Laboratory); Pearce, A.K. (National Physical Laboratory)	Andrew Fenwick	The potential radio-immunotherapeutic α-emitter 227Th – part II: Absolute γ-ray emission intensities from the excited levels of 223Ra	Applied Radiation and Isotopes	10.1016/j.apradiso.2018.10.023
2018	Ferreira, Kelley M. (National Physical Laboratory); Fenwick, Andrew J. (National Physical Laboratory)	Andrew Fenwick	123I intercomparison exercises: Assessment of measurement capabilities in UK hospitals	Applied Radiation and Isotopes	10.1016/j.apradiso.2017.11.015
2018	Fenwick, A.J. (National Physical Laboratory; Cardiff University); Wevrett, J.L. (National Physical Laboratory; University of Surrey; Royal Surrey County Hospital); Ferreira, K.M. (National Physical Laboratory); Denis-Bacelar, A.M. (National Physical Laboratory); Robinson, A.P. (National Physical Laboratory; University of Manchester; Christie Hospital NHS Foundation Trust)	Andrew Fenwick, Jill Wevrett	Quantitative imaging, dosimetry and metrology; Where do National Metrology Institutes fit in?	Applied Radiation and Isotopes	10.1016/j.apradiso.2017.11.014

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2018	Collins, S.M. (National Physical Laboratory; University of Surrey); Shearman, R. (National Physical Laboratory; University of Surrey); Keightley, J.D. (National Physical Laboratory); Regan, P.H. (National Physical Laboratory; University of Surrey)	Robert Shearman	Investigation of γ-γ coincidence counting using the National Nuclear Array (NANA) as a primary standard	Applied Radiation and Isotopes	10.1016/j.apradiso.2017.07.056
2018	Nicolosi, E.M.G. (King's College London; National Physical Laboratory); Quincey, P. (National Physical Laboratory); Font, A. (King's College London); Fuller, G.W. (King's College London)	Eleonora Nicolosi	Light attenuation versus evolved carbon (AVEC) – A new way to look at elemental and organic carbon analysis	Atmospheric Environment	10.1016/j.atmosenv.2017.12.011
2018	Mohajer, Jonathan Kim (University of Surrey; National Physical Laboratory); Nisbet, Andrew (University of Surrey; Royal Surrey County Hospital NHS Foundation Trust); Velliou, Eirini (University of Surrey); Ajaz, Mazhar (Royal Surrey County Hospital NHS Foundation Trust; University of Surrey); Schettino, Giuseppe (University of Surrey; National Physical Laboratory)	Jonathan Mohajer	Biological effects of static magnetic field exposure in the context of MR-guided radiotherapy	British Journal of Radiology	10.1259/bjr.20180484
2018	Panchal, Vishal (National Physical Laboratory; National Institute of Standards and Technology); Yang, Yanfei (National Institute of Standards and Technology; University of Maryland, College Park); Cheng, Guangjun (National Institute of Standards and Technology); Hu, Jiuning (National Institute of Standards and Technology); Kruskopf, Mattias (National Institute of Standards and Technology); Liu, Chieh-I. (National Institute of Standards and Technology; National Taiwan University); Rigosi, Albert F. (National Institute of Standards and Technology); Melios, Christos (National Physical Laboratory); Walker, Angela R. Hight (National Institute of Standards and Technology); Newell, David B. (National Institute of Standards and Technology); Kazakova, Olga (National Physical Laboratory); Elmquist, Randolph E. (National Institute of Standards and Technology)	Christos Melios	Confocal laser scanning microscopy for rapid optical characterization of graphene	Communications Physics	10.1038/s42005-018-0084-6

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2018	Wevrett, Jill (University of Surrey; National Physical Laboratory; Royal Surrey County Hospital NHS Foundation Trust); Fenwick, Andrew (National Physical Laboratory); Scuffham, James (Royal Surrey County Hospital NHS Foundation Trust; University of Surrey); Johansson, Lena (National Physical Laboratory); Gear, Jonathan (Royal Marsden NHS Foundation Trust); Schlögl, Susanne (University Hospital of Würzburg); Segbers, Marcel (Erasmus University Medical Center); Sjögreen-Gleisner, Katarina (Lund University); Solný, Pavel (University Hospital in Motol); Lassmann, Michael (University Hospital of Würzburg); Tipping, Jill (Christie Hospital NHS Foundation Trust); Nisbet, Andrew (Royal Surrey County Hospital NHS Foundation Trust; University of Surrey)	Jill Wevrett, Andrew Fenwick	Inter-comparison of quantitative imaging of lutetium-177 (177Lu) in European hospitals	EJNMMI Physics	10.1186/s40658-018-0213-z
2018	Ansari, S. (); Régis, J-M. (); Jolie, J. (); Saed-Samii, N. (); Warr, N. (); Korten, W. (); Zielińska, M. (); Salsac, M.-D. (); Blanc, A. (Institut Laue-Langevin); Jentschel, M. (Institut Laue-Langevin); Köster, U. (Institut Laue-Langevin); Mutti, P. (Institut Laue-Langevin); Soldner, T. (Institut Laue-Langevin); Simpson, G.S. (Laboratory of Subatomic Physics and Cosmology); Drouet, F. (Laboratory of Subatomic Physics and Cosmology); Vancraeyenest, A. (Laboratory of Subatomic Physics and Cosmology); de France, G. (Large Heavy Ion National Accelerator); Clément, E. (Large Heavy Ion National Accelerator); Stezowski, O. (); Ur, C.A. (); Urban, W. (University of Warsaw); Regan, P.H. (University of Surrey; National Physical Laboratory); Podolyák, Zs. (University of Surrey); Larijani, C. (University of Surrey; National Physical Laboratory); Townsley, C. (University of Surrey); Carroll, R.	Cyrus Larijani	Lifetime measurement in neutron-rich A~100 nuclei	EPJ Web of Conferences	10.1051/epjconf/201819305003
2018	Wilson, J.N. (University of Paris-Sud); Lebois, M. (University of Paris-Sud); Qi, L. (University of Paris-Sud); Amador-Celdran, P (Joint Research Centre); Bleuel, D. (Lawrence Livermore National Laboratory); Briz, J.A. (); Carroll, R. (University of Surrey); Catford, W. (University of Surrey); De Witte, H. (KU Leuven); Doherty, D.T. (Institut de Recherche sur les Lois Fondamentales de l'Univers); Eloirdi, R. (Joint Research Centre); Georgiev, G. (University of Paris-Sud); Gottardo, A. (University of Paris-Sud); Goasduff, A. (University of Paris-Sud); Hadyñska-Klek, K. (); Hauschild, K. (University of Paris-Sud); Hess, H. (); Ingeberg, V. (); Konstantinopoulos, T. (University of Paris-Sud); Ljungvall, J. (University of Paris-Sud); Lopez-Martens, A. (University of Paris-Sud); Lorusso, G. (National Physical Laboratory); Lozeva, R. (University of Paris-Sud); Lutter, R. (Ludwig Maximilian University	Robert Shearman	Studies of fission fragment yields via high-resolution γ-ray spectroscopy	EPJ Web of Conferences	10.1051/epjconf/201816900030

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2018	Kuusk, Joel (); Ansko, Ilmar (); Bialek, Agnieszka (National Physical Laboratory); Vendt, Riho (); Fox, Nigel (National Physical Laboratory)	Agnieszka Bialek	Implication of Illumination Beam Geometry on Stray Light and Bandpass Characteristics of Diode Array Spectrometer	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	10.1109/jstars.2018.2841772
2018	Jaanson, Priit (VTT Technical Research Centre of Finland; Aalto University; University of Tartu); Bialek, Agnieszka (National Physical Laboratory; Wrocław University of Technology); Greenwell, Claire (National Physical Laboratory; University of Cambridge); Mäntynen, Henrik (Aalto University); Widlowski, Jean-Luc (Joint Research Centre); Manoocheri, Farshid (Aalto University); Lassila, Antti (VTT Technical Research Centre of Finland); Fox, Nigel (National Physical Laboratory; University College London); Ikonen, Erkki (VTT Technical Research Centre of Finland; Aalto University)	Agnieszka Bialek	Toward SI Traceability of a Monte Carlo Radiative Transfer Model in the Visible Range	IEEE Transactions on Geoscience and Remote Sensing	10.1109/tgrs.2017.2761988
2018	Mingard, K.P. (National Physical Laboratory); Roebuck, B. (National Physical Laboratory); Jones, H.G. (National Physical Laboratory); Stewart, M. (National Physical Laboratory); Cox, D. (National Physical Laboratory); Gee, M.G. (National Physical Laboratory)	Helen Jones	Visualisation and measurement of hardmetal microstructures in 3D	International Journal of Refractory Metals and Hard Materials	10.1016/j.ijrmhm.2017.11.023
2018	Baynham, Charles F. A. (National Physical Laboratory); Godun, Rachel M. (National Physical Laboratory); Jones, Jonathan M. (National Physical Laboratory); King, Steven A. (National Physical Laboratory); Nisbet-Jones, Peter B. R. (National Physical Laboratory); Baynes, Fred (National Physical Laboratory); Rolland, Antoine (National Physical Laboratory); Baird, Patrick E. G. (University of Oxford); Bongs, Kai (University of Birmingham); Gill, Patrick (National Physical Laboratory); Margolis, Helen S. (National Physical Laboratory)	Charles Baynham, Jonathan Jones	Absolute frequency measurement of the optical clock transition in with an uncertainty of using a frequency link to international atomic time	Journal of Modern Optics	10.1080/09500340.2017.1384514
2018	Campos, Joaquin (); Ferrero, Alejandro (); Woolliams, Emma (National Physical Laboratory); Greenwell, Claire (National Physical Laboratory); Bialek, Agnieszka (National Physical Laboratory); Hernanz, Luisa (); Pons, Alicia ()	Agnieszka Bialek	Principal component analysis of reference sites used for calibration and validation of Earth observation satellites	Journal of Physics Conference Series	10.1088/1742-6596/972/1/012004

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2018	Vaskuri, Anna (Aalto University; National Physical Laboratory); Greenwell, Claire (National Physical Laboratory); Woolliams, Emma (National Physical Laboratory)	Anna Vaskuri	Setup for studying speckle noise of spectroradiometer diffusers in Earth observation applications	Journal of Physics Conference Series	10.1088/1742-6596/972/1/012002
2018	Vaskuri, Anna (Aalto University; National Physical Laboratory); Greenwell, Claire (National Physical Laboratory); Hessey, Isabel (National Physical Laboratory); Tompkins, Jordan (National Physical Laboratory); Woolliams, Emma (National Physical Laboratory)	Anna Vaskuri	Contamination and UV ageing of diffuser targets used in satellite inflight and ground reference test site calibrations	Journal of Physics Conference Series	10.1088/1742-6596/972/1/012001
2018	Li, B (National Physical Laboratory; University of Surrey); Godfrey, T (National Physical Laboratory; University College London); Cox, D (National Physical Laboratory; University of Surrey); Li, T (National Physical Laboratory; University College London); Gallop, J (National Physical Laboratory); Galer, S (National Physical Laboratory); Nisbet, A (University of Surrey); Romans, Ed (National Physical Laboratory; University College London); Hao, L (National Physical Laboratory)	Tom Godfrey, Tianyi Li	Investigation of properties of nanobridge Josephson junctions and superconducting tracks fabricated by FIB	Journal of Physics Conference Series	10.1088/1742-6596/964/1/012004
2018	Mohamud, H. (University of Surrey; National Physical Laboratory); Ivanov, P. (National Physical Laboratory); Russell, B. C. (National Physical Laboratory); Regan, P. H. (National Physical Laboratory; University of Surrey); Ward, N. I. (University of Surrey)	Hibaaq Mohamud	Selective sorption of uranium from aqueous solution by graphene oxide-modified materials	Journal of Radioanalytical and Nuclear Chemistry	10.1007/s10967-018-5741-4
2018	Chapman, Jacob B. J. (University College London; National Physical Laboratory); Gindele, Oliver T. (University College London; National Physical Laboratory); Vecchini, Carlo (National Physical Laboratory); Thompson, Paul (University of Liverpool); Stewart, Mark (National Physical Laboratory); Cain, Markys G. (); Duffy, Dorothy M. (University College London); Kimmel, Anna V. (University College London)	Jacob Chapman, Oliver Gindele	Low temperature ferroelectric behavior in morphotropic Pb (Zr1−xTix)O3	Journal of the American Ceramic Society	10.1111/jace.15101
2018	Robinson, Kenneth N. (National Physical Laboratory; University of Nottingham); Steven, Rory T. (National Physical Laboratory); Bunch, Josephine (National Physical Laboratory; Imperial College London)	Kenneth Robinson	Matrix Optical Absorption in UV-MALDI MS	Journal of The American Society for Mass Spectrometry	10.1007/s13361-017-1843-4

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2018	McMillan, J.L. (National Physical Laboratory); Whittam, A. (National Physical Laboratory); Rokosz, M. (National Physical Laboratory); Simpson, R.C. (National Physical Laboratory)	Maciej Rokosz	Towards quantitative small-scale thermal imaging	Measurement	10.1016/j.measurement.2017.12.023
2018	Lourenço, Ana (National Physical Laboratory; University College London); Bouchard, Hugo (University of Montreal); Galer, Sebastian (National Physical Laboratory; University College London); Royle, Gary (University College London); Palmans, Hugo (National Physical Laboratory)	Ana Lourenco	The influence of nuclear interactions on ionization chamber perturbation factors in proton beams: FLUKA simulations supported by a Fano test	Medical Physics	10.1002/mp.13281
2018	Bär, Esther (National Physical Laboratory; University College London); Lalonde, Arthur (University of Montreal); Zhang, Rongxiao (Massachusetts General Hospital); Jee, Kyung-Wook (Massachusetts General Hospital); Yang, Kai (Massachusetts General Hospital); Sharp, Gregory (Massachusetts General Hospital); Liu, Bob (Massachusetts General Hospital); Royle, Gary (University College London); Bouchard, Hugo (University of Montreal); Lu, Hsiao-Ming (Massachusetts General Hospital)	Esther Baer	Experimental validation of two dual-energy CT methods for proton therapy using heterogeneous tissue samples	Medical Physics	10.1002/mp.12666
2018	Memoli, Gianluca (University of Sussex; National Physical Laboratory); Baxter, Kate O (National Physical Laboratory); Jones, Helen G (National Physical Laboratory); Mingard, Ken P (National Physical Laboratory); Zeqiri, Bajram (National Physical Laboratory)	Helen Jones	Acoustofluidic Measurements on Polymer-Coated Microbubbles: Primary and Secondary Bjerknes Forces	Micromachines	10.3390/mi9080404
2018	Dou, Ziwei (University of Cambridge); Morikawa, Sei (University of Tokyo); Cresti, Alessandro (Institut de Microélectronique, Electromagnétisme et Photonique); Wang, Shu-Wei (University of Cambridge); Smith, Charles G (University of Cambridge); Melios, Christos (National Physical Laboratory); Kazakova, Olga (National Physical Laboratory); Watanabe, Kenji (National Institute for Materials Science); Taniguchi, Takashi (National Institute for Materials Science); Masubuchi, Satoru (University of Tokyo); Machida, Tomoki (University of Tokyo); Connolly, Malcolm R (University of Cambridge)	Christos Melios	Imaging Bulk and Edge Transport near the Dirac Point in Graphene Moiré Superlattices.	Nano Letters	10.1021/acs.nanolett.8b00228

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2018	Shautsova, Viktoryia (Imperial College London; University of Oxford); Sidiropoulos, Themistoklis (Imperial College London); Xiao, Xiaofei (Imperial College London); Güsken, Nicholas A. (Imperial College London); Black, Nicola C. G. (Imperial College London; National Physical Laboratory); Gilbertson, Adam M. (Imperial College London); Giannini, Vincenzo (Imperial College London; Spanish National Research Council); Maier, Stefan A. (Imperial College London; Ludwig Maximilian University of Munich); Cohen, Lesley F. (Imperial College London); Oulton, Rupert F. (Imperial College London)	Nicola Black	Plasmon induced thermoelectric effect in graphene	Nature Communications	10.1038/s41467-018-07508-z
2018	de Graaf, S. E. (National Physical Laboratory); Skacel, S. T. (Karlsruhe Institute of Technology); Hönigl-Decrinis, T. (National Physical Laboratory; Royal Holloway University of London); Shaikhaidarov, R. (Royal Holloway University of London; Moscow Institute of Physics and Technology); Rotzinger, H. (Karlsruhe Institute of Technology); Linzen, S. (Leibniz Institute of Photonic Technology); Ziegler, M. (Leibniz Institute of Photonic Technology); Hübner, U. (Leibniz Institute of Photonic Technology); Meyer, H.-G. (Leibniz Institute of Photonic Technology); Antonov, V. (Royal Holloway University of London; Skolkovo Institute of Science and Technology); Il'ichev, E. (Leibniz Institute of Photonic Technology; National University of Science and Technology); Ustinov, A. V. (Karlsruhe Institute of Technology; National University of Science and Technology);	Teresa Hoenigl-Decrinis	Charge quantum interference device	Nature Physics	10.1038/s41567-018-0097-9
2018	Hönigl-Decrinis, T. (Royal Holloway University of London; National Physical Laboratory); Antonov, I. V. (Royal Holloway University of London; National Physical Laboratory); Shaikhaidarov, R. (Royal Holloway University of London; Moscow Institute of Physics and Technology); Antonov, V. N. (Royal Holloway University of London; Moscow Institute of Physics and Technology; Skolkovo Institute of Science and Technology); Dmitriev, A. Yu. (Moscow Institute of Physics and Technology); Astafiev, O. V. (Royal Holloway University of London; National Physical Laboratory; Moscow Institute of Physics and Technology)	Teresa Hoenigl-Decrinis, Ilya Antonov	Mixing of coherent waves in a single three-level artificial atom	Physical Review A	10.1103/physreva.98.041801

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2018	Johnson, N (National Physical Laboratory; University College London); Emary, C (Newcastle University); Ryu, S (Korea Advanced Institute of Science and Technology); Sim, H-S (Korea Advanced Institute of Science and Technology); See, P (National Physical Laboratory); Fletcher, J D (National Physical Laboratory); Griffiths, J P (University of Cambridge); Jones, G A C (University of Cambridge); Farrer, I (University of Sheffield); Ritchie, D A (University of Cambridge); Pepper, M (University College London); Janssen, T J B M (National Physical Laboratory); Kataoka, M (National Physical Laboratory)	Nathan Johnson	LO-Phonon Emission Rate of Hot Electrons from an On-Demand Single-Electron Source in a GaAs/AlGaAs Heterostructure	Physical Review Letters	10.1103/physrevlett.121.137703
2018	Alyahyawi, Amjad. (University of Surrey; University of Hail; Royal Surrey County Hospital); Dimitriadis, A. (University of Surrey; National Physical Laboratory; Royal Surrey County Hospital); Jafari, S.M. (University of Surrey; Queen Alexandra Hospital; Royal Surrey County Hospital); Lohstroh, A. (University of Surrey; Royal Surrey County Hospital); Alanazi, A. (University of Surrey; Royal Surrey County Hospital); Alsubaie, A. (University of Surrey; Taif University; Royal Surrey County Hospital); Clark, C.H. (National Physical Laboratory; Taif University; Royal Surrey County Hospital); Nisbet, A. (University of Surrey; Taif University; Royal Surrey County Hospital); Bradley, D.A. (University of Surrey; Sunway University; Royal Surrey County Hospital)	Alexis Dimitriadis	Thermoluminescence Measurements of Eye-Lens Dose in a Multi-centre Stereotactic Radiosurgery Audit	Radiation Physics and Chemistry	10.1016/j.radphyschem.2018.08.030
2018	Calders, Kim (National Physical Laboratory; University College London; Ghent University); Origo, Niall (National Physical Laboratory; University College London); Burt, Andrew (University College London); Disney, Mathias (University College London); Nightingale, Joanne (National Physical Laboratory); Raumonen, Pasi (Tampere University of Technology); Åkerblom, Markku (Tampere University of Technology); Malhi, Yadvinder (University of Oxford); Lewis, Philip (University College London)	Niall Origo	Realistic Forest Stand Reconstruction from Terrestrial LiDAR for Radiative Transfer Modelling	Remote Sensing	10.3390/rs10060933
2018	Legge, Elizabeth J. (University of Surrey; National Physical Laboratory); Ahmad, Muhammad (University of Surrey); Smith, Christopher T. G. (University of Surrey); Brennan, Barry (National Physical Laboratory); Mills, Christopher A. (University of Surrey); Stolojan, Vlad (University of Surrey); Pollard, Andrew J. (National Physical Laboratory); Silva, S. Ravi P. (University of Surrey)	Elizabeth Legge	Physicochemical characterisation of reduced graphene oxide for conductive thin films	RSC Advances	10.1039/c8ra08849g

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2018	Gholhaki, Saeed (University of Birmingham; National Physical Laboratory); Hung, Shih-Hsuan (University of York); Cant, David J. H. (National Physical Laboratory); Blackmore, Caroline E. (University of Birmingham); Shard, Alex G. (National Physical Laboratory); Guo, Quanmin (University of Birmingham); McKenna, Keith P. (University of York); Palmer, Richard E. (Swansea University)	Saeed Gholhaki	Exposure of mass-selected bimetallic Pt–Ti nanoalloys to oxygen explored using scanning transmission electron microscopy and density functional theory	RSC Advances	10.1039/c8ra02449a
2018	Pfeil, Marc-Philipp (National Physical Laboratory; University of Oxford; Harvard University); Pyne, Alice L. B. (University College London); Losasso, Valeria (Daresbury Laboratory); Ravi, Jascindra (National Physical Laboratory); Lamarre, Baptiste (National Physical Laboratory); Faruqui, Nilofar (National Physical Laboratory); Alkassem, Hasan (National Physical Laboratory; University College London); Hammond, Katharine (National Physical Laboratory; University College London); Judge, Peter J. (University of Oxford); Winn, Martyn (Daresbury Laboratory); Martyna, Glenn J. (IBM Research – Thomas J. Watson Research Center); Crain, Jason (IBM Research – Thomas J. Watson Research Center); Watts, Anthony (University of Oxford); Hoogenboom, Bart W. (University College London); Ryadnov, Maxim G. (National Physical Laboratory)	Marc Pfeil, Hasan Alkassem, Kate Hammon	Tuneable poration: host defense peptides as sequence probes for antimicrobial mechanisms	Scientific Reports	10.1038/s41598-018-33289-y
2018	Pfeil, Marc-Philipp (National Physical Laboratory; University of Oxford; Harvard University); Pyne, Alice L. B. (University College London); Losasso, Valeria (Daresbury Laboratory); Ravi, Jascindra (National Physical Laboratory); Lamarre, Baptiste (National Physical Laboratory); Faruqui, Nilofar (National Physical Laboratory); Alkassem, Hasan (National Physical Laboratory; University College London); Hammond, Katharine (National Physical Laboratory; University College London); Judge, Peter J. (University of Oxford); Winn, Martyn (Daresbury Laboratory); Martyna, Glenn J. (IBM Research – Thomas J. Watson Research Center); Crain, Jason (IBM Research – Thomas J. Watson Research Center); Watts, Anthony (University of Oxford); Hoogenboom, Bart W. (University College London); Ryadnov, Maxim G. (National Physical Laboratory)	Marc Pfeil, Hasan Alkassem, Kate Hammon	Author Correction: Tuneable poration: host defense peptides as sequence probes for antimicrobial mechanisms	Scientific Reports	10.1038/s41598-018-35521-1

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2018	Guen, Eloise (Claude Bernard University Lyon 1); Chapuis, Pierre-Olivier (Claude Bernard University Lyon 1); Klapetek, Petr (Czech Metrology Institute); Puttock, Robb (National Physical Laboratory); Hay, Bruno (); Allard, Alexandre (); Maxwell, Tony (National Physical Laboratory); Renahy, David (Claude Bernard University Lyon 1); Valtr, Miroslav (Brno University of Technology); Martinek, Jan (Czech Metrology Institute); Gomes, Severine (Claude Bernard University Lyon 1)	Robert Puttock	Local Thermophysical Properties Measurements on Polymers using Doped Silicon SThM Probe: Uncertainty Analysis and Interlaboratory Comparison		10.1109/therminic.2018.8593308
2018	Weng, Qianchun (University of Tokyo; National Physical Laboratory); Puttock, Robb (National Physical Laboratory; Royal Holloway University of London); Barton, Craig (National Physical Laboratory); Panchal, Vishal (National Physical Laboratory); Yang, Le (Fudan University); An, Zhenghua (Fudan University); Kajihara, Yusuke (University of Tokyo); Lu, Wei (Shanghai Institute of Technical Physics); Tzalenchuk, Alexander (National Physical Laboratory); Komiyama, Susumu (University of Tokyo; National Institute of Information and Communications Technology)	Robert Puttock	Nanothermometry of electrons and phonons		10.1109/irmmw-thz.2018.8509939
2018	Wang, Xueshen (National Institute of Metrology); Godfrey, Tom (National Physical Laboratory); Li, Tianyi (National Physical Laboratory); Cox, David (National Physical Laboratory); Gallop, John (National Physical Laboratory); Wang, Lanruo (National Institute of Metrology); Zhong, Qing (National Institute of Metrology); Li, Jinjin (National Institute of Metrology); Zhong, Yuan (National Institute of Metrology); Cao, Wenhui (National Institute of Metrology); Hao, Ling (National Physical Laboratory)	Tom Godfrey, Tianyi Li	Niobium Nano-SQUIDs for Inductive Superconducting Transition Edge Detectors		10.1109/cpem.2018.8500808
2018	Callegaro, L. (Istituto Nazionale di Ricerca Metrologica); Cassiago, C. (Istituto Nazionale di Ricerca Metrologica); Cultrera, A. (Istituto Nazionale di Ricerca Metrologica); D'Elia, V. (Istituto Nazionale di Ricerca Metrologica); Serazio, D. (Istituto Nazionale di Ricerca Metrologica); Ortolano, M. (Istituto Nazionale di Ricerca Metrologica; Polytechnic University of Turin); Marzano, M. (Istituto Nazionale di Ricerca Metrologica; Polytechnic University of Turin); Kazakova, O. (National Physical Laboratory); Melios, C. (National Physical Laboratory); Raso, F. (Centro Español de Metrología); Matias, L. (Centro Español de Metrología); Zurutuza, A. (Graphenea (Spain)); Centeno, A. (Centro Español de Metrología); Redo-Sanchez, A. (); Kretinin, A. (University of Manchester); Sann-Ferro, K. (); Fabricius, A. (); Weking, G. (); Bergholz, W. (); Fabricius, N. ()	Christos Melios	GRACE: Developing Electrical Characterisation Methods for Future Graphene Electronics		10.1109/cpem.2018.8501012

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2018	Kataoka, M. (National Physical Laboratory); Giblin, S. P. (National Physical Laboratory); Fletcher, J. D. (National Physical Laboratory); Johnson, N. (National Physical Laboratory; University College London); Humphreys, D. A. (National Physical Laboratory); See, P. (National Physical Laboratory); Pepper, M. (University College London); Griffiths, J. P. (University of Cambridge); Jones, G. A. C. (University of Cambridge); Farrer, I. (University of Cambridge); Aldous, J. D. (University of Cambridge); Ritchie, D. A. (University of Cambridge)	Nathan Johnson	Single-Hot-Electron Wave Packets for Quantum Electrical Metrology		10.1109/cpem.2018.8501246
2018	Robinson, Ian A. (National Physical Laboratory); Berry, James (National Physical Laboratory); Bull, Christopher (National Physical Laboratory); Davidson, Stuart (National Physical Laboratory); Jarvis, Charles (National Physical Laboratory); Lovelock, Peter (National Physical Laboratory); Lucas, Christopher (National Physical Laboratory); Urquhart, Jeannie (National Physical Laboratory); Webster, Emily (National Physical Laboratory); Williams, Perdi (National Physical Laboratory)	Charles Jarvis	Developing the Next Generation of NPL Kibble Balances		10.1109/cpem.2018.8501149
2018	Godun, Rachel M. (National Physical Laboratory); Baynham, Charles F. A. (National Physical Laboratory; University of Oxford); Jones, Jonathan M. (National Physical Laboratory; University of Birmingham); King, Steven A. (National Physical Laboratory); Nisbet-Jones, Peter B. R. (National Physical Laboratory); Baynes, Fred (National Physical Laboratory); Rolland, Antoine (National Physical Laboratory); Baird, Patrick E. G. (University of Oxford); Bongs, Kai (University of Birmingham); Gill, Patrick (National Physical Laboratory); Petit, Gerard (); Margolis, Helen S. (National Physical Laboratory)	Charles Baynham, Jonathan Jones	Absolute frequency measurement of the ytterbium ion E3 optical clock transition using international atomic time		10.1109/eftf.2018.8409057
2018	Tom Godfrey(London Centre for Nanotechnology, University College London, London, U.K.), John C. Gallop (National Physical Laboratory, Teddington, U.K.), David C. Cox (National Physical Laboratory, Teddington, U.K.), Edward J. Romans (London Centre for Nanotechnology, University College London, London, U.K.), Jie Chen, Member, IEEE, (Department of Mechanical and Aerospace Engineering, Brunel University, Uxbridge, U.K.) and Ling Hao (National Physical Laboratory, Teddington, U.K.)	Tom Godfrey	Investigation of Dayem Bridge NanoSQUIDs Made by Xe Focused Ion Beam		10.1109/tasc.2018.2854624

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2018	H. Votsi (National Physical Laboratory, Teddington, United Kingdom), B. Mirkhaydarov (Advanced Technology Institute, University of Surrey, Guildford, United Kingdom), S. Gillespie (Advanced Technology Institute, University of Surrey, Guildford, United Kingdom), P. Young (School of Engineering and Digital Arts, University of Kent, Canterbury, United Kingdom), M. Shkunov (Advanced Technology Institute, University of Surrey, Guildford, United Kingdom), P. H. Aaen (National Physical Laboratory, Teddington, United Kingdom)	Haris Votsi	Modelling of Solution Processed Indium Arsenide Nanowire Microwave Switches		10.1109/mwsym.2018.8439648
2018	Brown, Cameron J., McGlone, Thomas, Yerdelen, Stephanie	Hector Polyzois	Enabling precision manufacturing of active pharmaceutical ingredients: workflow for seeded cooling continuous crystallisations		10.1039/c7me00096k
2018	Brown, Cameron J. McGlone, Thomas Yerdelen, Stephanie Srirambhatla, Vijay Mabbott, Fraser Gurung, Rajesh L. Briuglia, Maria Ahmed, Bilal Polyzois, Hector , McGinty, John, Perciballi, Francesca Fysikopoulos, Dimitris MacFhionnghaile, Pól Siddique, Humera Raval, Vishal	Michael Chrubasik	Impact of Paracetamol Impurities on Face Properties: Investigating the Surface of Single Crystals Using TOF-SIMS		10.1021/acs.cgd.7b01411
2018	Harrington, Tomás S. Vassileiou, Antony D. Robertson, Murray Prasad, Elke Johnston, Andrea Johnston, Blair Nordon, Alison Srai, Jagjit S. Halbert, Gavin ter Horst, Joop H. Price, Chris J. Rielly, Chris D. Sefcik, Jan Florence, Alastair J	Hector Polyzois	Successful Computationally Directed Templating of Metastable Pharmaceutical Polymorphs		10.1021/acs.cgd.8b00765
2018	Leonardo Del Bino, Jonathan (Woodley Heriot-Watt University) M. Silver, Michael T. M. (Woodley Heriot-Watt University) Sarah L. Stebbings (National Physical Laboratory (NPL),), Xin Zhao (National Physical Laboratory (NPL)School of Electronic and Information Engineering, Beihang University, Beijing 100083, China), and Pascal Del'Haye National Physical Laboratory (NPL)	Leonardo Del Bino, Michael Woodley	Microresonator isolators and circulators based on the intrinsic nonreciprocity of the Kerr effect		10.1364/optica.5.000279

Year of Publication	Author List	PGR Author(s)	Paper Title	Journal Title	DOI
2018	Esther Bär(National Physical Laboratory, Department of Medical Physics and Biomedical Engineering, University College London), PedroAndreo (Dept of Medical Radiation Physics and Nuclear Medicine, Karolinska University Hospital) , Arthur Lalonde (Department of Physics, Université de Montréal) , GaryRoyle (Department of Medical Physics and Biomedical Engineering, University College London,) and Hugo Bouchard	Esther Baer	Optimized I-values for the use with the Bragg additivity rule and their impact on proton stopping power and range uncertainty		10.1088/1361-6560/aad312
2018	Arthur Lalonde (Département de Physique, Université de Montréal, Pavillon Roger-Gaudry), Mikaël Simard (Département de Physique, Université de Montréal, Pavillon Roger-Gaudry), Charlotte Remy (Département de Physique, Université de Montréal, Pavillon Roger-Gaudry), Esther Bär (Acoustics and Ionising Radiation Team, National Physical Laboratory, Department of Medical Physics and Biomedical Engineering, University College London) and Hugo Bouchard (Département de Physique, Université de Montréal, Pavillon Roger-Gaudry, Centre de recherche du Centre hospitalier de l'Université de Montréal)	Esther Baer	The impact of dual- and multi-energy CT on proton pencil beam range uncertainties: a Monte Carlo study.		10.1088/1361-6560/aadf2a
2018	Michael T. M. Woodley (Centre for Doctoral Training in Applied Photonics, Heriot-Watt University); Leonardo Del Bino (National Physical Laboratory); Jonathan M. Silver (National Physical Laboratory); Shuangyou Zhang (National Physical Laboratory); Pascal Del'Haye(National Physical Laboratory)	Michael Woodley, Leonardo Del Bino	Interaction of Counter-Propagating Light in Microresonators: Theoretical Model and Oscillatory Regimes		10.1364/cleo_qels.2018.fm3e.3

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2018	Michael T. M. Woodley (Centre for Doctoral Training in Applied Photonics, Heriot-Watt University); Leonardo Del Bino (National Physical Laboratory); Jonathan M. Silver (National Physical Laboratory); Shuangyou Zhang (National Physical Laboratory); Pascal Del'Haye(National Physical Laboratory)	Michael Woodley, Leonardo Del Bino	Switching Dynamics of Counter-propagating Light States in Microresonators		10.1364/cleo_si.2018.sm1d.4
2018	Jonathan M. Silver (National Physical Laboratory), Leonardo Del Bino (National Physical Laboratory), Michael T. M. Woodley (Centre for Doctoral Training in Applied Photonics, Heriot-Watt University), Sarah L. Stebbings, Xin Zhao (School of Electronic and Information Engineering, Beihang University), and Pascal Del'Haye (National Physical Laboratory)	Leonardo Del Bino, Michael Woodley	A Diode Made of Light \xe2\x80\x93 Optical Isolators and Circulators Based on the Intrinsic Nonreciprocity of the Kerr Effect		10.1364/iprsn.2018.jw3i.6
2018	F. Copie (National Physical Laboratory), M. T. M. Woodley (National Physical Laboratory), L. Del Bino, J. M. Silver (National Physical Laboratory), S. Zhang (National Physical Laboratory), and P. Del'Haye (National Physical Laboratory)	Michael Woodley	Temporal and Polarization Symmetry Breaking in Ring Resonators		10.1364/fio.2018.jw4a.32
2018	Tom Vincent (National Physical Laboratory),(Royal Holloway, University of London), Vishal Panchal (National Physical Laboratory), (Bruker Nano Surfaces UK), Tim Booth (Department of Micro- and Nanotechnology, Center for Nanostructured Graphene (CNG)), Stephen R Power (Catalan Institute of Nanoscience and Nanotechnology (ICN2), CSIC and The Barcelona Institute of Science and Technology),(Universitat Autònoma de Barcelona),(School of Physics, Trinity College Dublin), Antti-Pekka Jauho (Department of Micro- and Nanotechnology, Center for Nanostructured Graphene (CNG), Vladimir Antonov (Royal Holloway, University of London), (Skolkovo Institute of Science and Technology) and Olga Kazakova (National Physical Laboratory)	Tom Vincent	Probing the nanoscale origin of strain and doping in graphene-hBN heterostructures		10.1088/2053-1583/aaf1dc

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2019	Flynn, Samuel (University of Birmingham; National Physical Laboratory); Price, Tony (University of Birmingham; National Physical Laboratory); Allport, Phil (University of Birmingham); Patallo, Ileana Silvestre (National Physical Laboratory; University College London); Thomas, Russell (National Physical Laboratory); Subiel, Anna (National Physical Laboratory); Bartzsch, Stefan (Helmholtz Zentrum München); Treibel, Franziska (); Ahmed, Mabroor (); Jacobs-Headspith, Jon (); Edwards, Tim (); Jones, Isaac (); Cathie, Dan (); Guerrini, Nicola (Rutherford Appleton Laboratory); Sedgwick, Iain (Rutherford Appleton Laboratory)	Sam Flynn, Ileana Silvestre Patallo	Evaluation of a pixelated large format CMOS sensor for x-ray microbeam radiotherapy	Medical Physics	10.1002/mp.13971
2019	Białek, Agnieszka (National Physica	Javier Gorrono	Monte-Carlo based quantification of uncertainties in determining ocean remote sensing reflectance from underwater fixed-depth radiometry measurements	Journal of Atmospheric and Oceanic Technology	10.1175/jtech-d-19-0049.1
2019	Kepiro, Ibolya E (National Physical	Irene Marzuoli, Kate Hammond	Engineering Chirally Blind Protein Pseudocapsids into Antibacterial Persisters.	ACS Nano	10.1021/acsnano.9b06814
2019	Pearce, J V (National Physical Laboratory); Gray, J (National Physical Laboratory); Veltcheva, R (National Physical Laboratory); Da Silva, R (National Physical Laboratory)	Rodrigo Da Silva	Immersion effects in zinc ITS-90 fixed-point cells	Measurement Science and Technology	10.1088/1361-6501/ab32b4
2019	Fletcher, J. D. (National Physical Laboratory); Johnson, N. (National Physical Laboratory; University College London; Nippon Telegraph and Telephone (Japan)); Locane, E. (Free University of Berlin); See, P. (National Physical Laboratory); Griffiths, J. P. (University of Cambridge); Farrer, I. (University of Cambridge; University of Sheffield); Ritchie, D. A. (University of Cambridge); Brouwer, P. W. (Free University of Berlin); Kashcheyevs, V. (University of Latvia); Kataoka, M. (National Physical Laboratory)	Nathan Johnson	Continuous-variable tomography of solitary electrons	Nature Communications	10.1038/s41467-019-13222-1

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2019	Geaney, S. (National Physical Laboratory; Royal Holloway University of London); Cox, D. (University of Surrey); Hönigl-Decrinis, T. (National Physical Laboratory); Shaikhaidarov, R. (Royal Holloway University of London); Kubatkin, S. E. (Chalmers University of Technology); Lindström, T. (National Physical Laboratory); Danilov, A. V. (Chalmers University of Technology); de Graaf, S. E. (National Physical Laboratory)	Shaun Geaney, Teresa Hoenigl-Decrinis	Near-Field Scanning Microwave Microscopy in the Single Photon Regime	Scientific Reports	10.1038/s41598-019-48780-3
2019	Bowden, William (National Physical Laboratory; University of Oxford); Hobson, Richard (National Physical Laboratory); Hill, Ian R. (National Physical Laboratory); Vianello, Alvise (National Physical Laboratory; Imperial College London); Schioppo, Marco (National Physical Laboratory); Silva, Alissa (National Physical Laboratory); Margolis, Helen S. (National Physical Laboratory; University of Oxford); Baird, Patrick E. G. (University of Oxford); Gill, Patrick (National Physical Laboratory; University of Oxford; Imperial College London)	William Bowden, Alvise Vianello	A pyramid MOT with integrated optical cavities as a cold atom platform for an optical lattice clock	Scientific Reports	10.1038/s41598-019-48168-3
2019	Galea, R. (National Research Council Canada); Michotte, C. (International Bureau of Weights and Measures); Nonis, M. (International Bureau of Weights and Measures); Moore, K. (National Research Council Canada); Gamal, I. El (National Research Council Canada); Keightley, J. (National Physical Laboratory); Fenwick, A. (National Physical Laboratory)	Andrew Fenwick	The first official measurement of 11c in the sirti	Applied Radiation and Isotopes	10.1016/j.apradiso.2019.108834
2019	Webster, Ben (National Physical Laboratory; University of Surrey); Ivanov, Peter (National Physical Laboratory); Russell, Ben (National Physical Laboratory); Collins, Sean (National Physical Laboratory); Stora, Thierry (European Organization for Nuclear Research); Ramos, Joao Pedro (European Organization for Nuclear Research; KU Leuven); Köster, Ulli (Institut Laue-Langevin); Robinson, Andrew Paul (National Physical Laboratory; Christie Hospital NHS Foundation Trust; University of Manchester); Read, David (National Physical Laboratory; University of Surrey)	Benjamin Webster, Jon Collins	Chemical Purification of Terbium-155 from Pseudo-Isobaric Impurities in a Mass Separated Source Produced at CERN	Scientific Reports	10.1038/s41598-019-47463-3

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2019	Ulstrup, Søren (Aarhus University); Giusca, Cristina E. (National Physical Laboratory); Miwa, Jill A. (Aarhus University); Sanders, Charlotte E. (Rutherford Appleton Laboratory); Browning, Alex (National Physical Laboratory); Dudin, Pavel (Diamond Light Source); Cacho, Cephise (Diamond Light Source); Kazakova, Olga (National Physical Laboratory); Gaskill, D. Kurt (United States Naval Research Laboratory); Myers-Ward, Rachael L. (United States Naval Research Laboratory); Zhang, Tianyi (Pennsylvania State University); Terrones, Mauricio (Pennsylvania State University); Hofmann, Philip (Aarhus University)	Alex Browning	Nanoscale mapping of quasiparticle band alignment	Nature Communications	10.1038/s41467-019-11253-2
2019	Turner, Piers (National Physical Laboratory); Hodnett, Mark (National Physical Laboratory); Dorey, Robert (University of Surrey); Carey, J. David (University of Surrey)	Piers Turner	Controlled Sonication as a Route to in-situ Graphene Flake Size Control	Scientific Reports	10.1038/s41598-019-45059-5
2019	Nečas, David (Masaryk University); Klapetek, Petr (Brno University of Technology; Czech Metrology Institute); Neu, Volker (Leibniz Institute for Solid State and Materials Research); Havlíček, Marek (Brno University of Technology; Czech Metrology Institute); Puttock, Robert (National Physical Laboratory; Royal Holloway University of London); Kazakova, Olga (National Physical Laboratory); Hu, Xiukun (German National Metrology Institute); Zajíčková, Lenka (Masaryk University)	Robert Puttock	Determination of tip transfer function for quantitative MFM using frequency domain filtering and least squares method	Scientific Reports	10.1038/s41598-019-40477-x
2019	Casiraghi, Arianna (Istituto Nazionale di Ricerca Metrologica; National Physical Laboratory); Corte-León, Héctor (National Physical Laboratory); Vafaee, Mehran (Johannes Gutenberg University of Mainz); Garcia-Sanchez, Felipe (Istituto Nazionale di Ricerca Metrologica); Durin, Gianfranco (Istituto Nazionale di Ricerca Metrologica); Pasquale, Massimo (Istituto Nazionale di Ricerca Metrologica); Jakob, Gerhard (Johannes Gutenberg University of Mainz); Kläui, Mathias (Johannes Gutenberg University of Mainz); Kazakova, Olga (National Physical Laboratory)	Hector Corte	Individual skyrmion manipulation by local magnetic field gradients	Communications Physics	10.1038/s42005-019-0242-5

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2019	Li, Tianyi (University College London; National Physical Laboratory; Aalto University); Gallop, John C. (National Physical Laboratory); Hao, Ling (National Physical Laboratory); Romans, Edward J. (University College London)	Tianyi Li	Josephson penetration depth in coplanar junctions based on 2D materials	Journal of Applied Physics	10.1063/1.5124391
2019	Bobin, C. (); Bouchard, J. (); Chisté, V. (); Collins, S.M. (National Physical Laboratory); Dryák, P. (Czech Metrology Institute); Fenwick, A. (National Physical Laboratory); Keightley, J. (National Physical Laboratory); Lépy, M.-C. (); Lourenço, V. (); Robinson, A.P. (National Physical Laboratory; University of Manchester; Christie Hospital NHS Foundation Trust); Sochorová, J. (Czech Metrology Institute); Šolc, J. (Czech Metrology Institute); Thiam, C. ()	Andrew Fenwick	Activity measurements and determination of nuclear decay data of 166Ho in the MRTDosimetry project	Applied Radiation and Isotopes	10.1016/j.apradiso.2019.108826
2019	Mulholland, S. (National Physical Laboratory; University of Oxford); Klein, H. A. (National Physical Laboratory); Barwood, G. P. (National Physical Laboratory); Donnellan, S. (National Physical Laboratory); Gentle, D. (National Physical Laboratory); Huang, G. (National Physical Laboratory); Walsh, G. (National Physical Laboratory); Baird, P. E. G. (University of Oxford); Gill, P. (National Physical Laboratory; University of Oxford)	Sean Mulholland	Laser-cooled ytterbium-ion microwave frequency standard	Applied Physics B	10.1007/s00340-019-7309-6
2019	Lamquin, Nicolas (ACRI Group (France)); Woolliams, Emma (National Physical Laboratory); Bruniquel, Véronique (ACRI Group (France)); Gascon, Ferran (); Gorroño, Javier (National Physical Laboratory); Govaerts, Yves (); Leroy, Vincent (); Lonjou, Vincent (National Centre for Space Studies); Alhammoud, Bahjat (Argans (United Kingdom)); Barsi, Julia A. (Goddard Space Flight Center); Czapla-Myers, Jeffrey S. (University of Arizona); McCorkel, Joel (Goddard Space Flight Center); Helder, Dennis (South Dakota State University); Lafrance, Bruno (); Clerc, Sebastien (ACRI Group (France)); Holben, Brent N. (Goddard Space Flight Center)	Javier Gorrono	An inter-comparison exercise of Sentinel-2 radiometric validations assessed by independent expert groups	Remote Sensing of Environment	10.1016/j.rse.2019.111369

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2019	Bevington, P. (National Physical Laboratory; University of Strathclyde); Gartman, R. (National Physical Laboratory); Chalupczak, W. (National Physical Laboratory)	Patrick Bevington	Alkali-metal spin maser for non-destructive tests	Applied Physics Letters	10.1063/1.5121606
2019	Bowden, W. (National Physical Laboratory); Vianello, A. (National Physical Laboratory; Imperial College London); Hobson, R. (National Physical Laboratory)	William Bowden, Alvise Vianello	A low-noise resonant input transimpedance amplified photodetector	Review of Scientific Instruments	10.1063/1.5114896
2019	Mills, Christopher A. (Tata Steel (United Kingdom); University of Surrey); Batyrev, Erdni (Tata Steel (Netherlands)); Jansen, Maurice J. R. (Tata Steel (Netherlands)); Ahmad, Muhammad (University of Surrey); Pathan, Tanveerkhan S. (University College London); Legge, Elizabeth J. (University of Surrey; National Physical Laboratory); Thakur, Digvijay B. (Tata Steel (United Kingdom)); Patole, Samson N. (Tata Steel (United Kingdom)); Brett, Daniel J. L. (University College London); Shearing, Paul R. (University College London); van der Weijde, Hans (Tata Steel (Netherlands)); Silva, S. Ravi P. (University of Surrey)	Elizabeth Legge	Improvement in the Electrical Properties of Nickel-Plated Steel Using Graphitic Carbon Coatings	Advanced Engineering Materials	10.1002/adem.201900408
2019	Warwick, P. E. (University of Southampton); Russell, B. C. (National Physical Laboratory); Croudace, I. W. (University of Southampton); Zacharauskas, Ž. (University of Southampton; National Physical Laboratory)	Zilvinas Zacharauskas	Evaluation of inductively coupled plasma tandem mass spectrometry for radionuclide assay in nuclear waste characterisation	Journal of Analytical Atomic Spectrometry	10.1039/c8ja00411k
2019	Hammond, Katharine (National Physical Laboratory; University College London); Lewis, Helen (National Physical Laboratory); Faruqui, Nilofar (National Physical Laboratory); Russell, Craig (National Physical Laboratory); Hoogenboom, Bart W (University College London); Ryadnov, Maxim G (National Physical Laboratory; King's College London)	Kate Hammond	Helminth Defense Molecules as Design Templates for Membrane Active Antibiotics.	ACS Infectious Diseases	10.1021/acsinfecdis.9b00157
2019	Price, Emlyn (Christie Hospital NHS Foundation Trust); Tipping, Jill (Christie Hospital NHS Foundation Trust); Cullen, David M (); Calvert, Nick (Christie Hospital NHS Foundation Trust); Hamilton, David (Christie Hospital NHS Foundation Trust); Page, Emma (Christie Hospital NHS Foundation Trust); Pells, Sophia (National Physical Laboratory); Pietras, Ben (); Robinson, Andrew P (National Physical Laboratory)	Sophia Pells	Positional dependence of activity determination in single photon emission computed tomography.	Nuclear Medicine Communications	10.1097/mnm.0000000000001034

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2019	Costa, Catia (University of Surrey); van Es, Elsje M. (National Physical Laboratory); Sears, Patrick (Defence Science and Technology Laboratory); Bunch, Josephine (National Physical Laboratory); Palitsin, Vladimir (University of Surrey); Mosegaard, Kirsten (University of Surrey); Bailey, Melanie J. (University of Surrey)	Elsje van-Es	Exploring Rapid, Sensitive and Reliable Detection of Trace Explosives Using Paper Spray Mass Spectrometry (PS-MS)	Propellants Explosives Pyrotechnics	10.1002/prep.201800320
2019	Burton, Oliver J. (University of Cambridge); Babenko, Vitaliy (University of Cambridge); Veigang-Radulescu, Vlad-Petru (University of Cambridge; National Physical Laboratory); Brennan, Barry (National Physical Laboratory); Pollard, Andrew J. (National Physical Laboratory); Hofmann, Stephan (University of Cambridge)	Vlad-Petru Veigang-Radulescu	The Role and Control of Residual Bulk Oxygen in the Catalytic Growth of 2D Materials	The Journal of Physical Chemistry C	10.1021/acs.jpcc.9b03808
2019	Robinson, Kenneth N. (National Physical Laboratory; University of Nottingham); Steven, Rory T. (National Physical Laboratory); Race, Alan M. (National Physical Laboratory); Bunch, Josephine (National Physical Laboratory; Imperial College London)	Kenneth Robinson	The Influence of MS Imaging Parameters on UV-MALDI Desorption and Ion Yield	Journal of The American Society for Mass Spectrometry	10.1007/s13361-019-02193-8
2019	Phong, V. H. (RIKEN Nishina Center; VNU University of Science); Lorusso, G. (RIKEN Nishina Center; National Physical Laboratory; University of Surrey); Davinson, T. (University of Edinburgh); Estrade, A. (Central Michigan University); Hall, O. (University of Edinburgh); Liu, J. (RIKEN Nishina Center; University of Hong Kong); Matsui, K. (RIKEN Nishina Center; University of Tokyo); Montes, F. (National Superconducting Cyclotron Laboratory); Nishimura, S. (RIKEN Nishina Center); Boso, A. (National Physical Laboratory); Regan, P. H. (National Physical Laboratory; University of Surrey); Shearman, R. (National Physical Laboratory); Xu, Z. Y. (University of Tennessee at Knoxville); Agramunt, J. (Institute for Corpuscular Physics); Allmond, J. M. (Oak Ridge National Laboratory); Ahn, D. S. (RIKEN Nishina Center); Algora, A. (Institute for Corpuscular Physics;	Robert Shearman	Observation of a μs isomer in In8549134: Proton-neutron coupling “southeast” of Sn8250132	Physical Review C	10.1103/physrevc.100.011302

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2019	Dmitriev, A. Yu. (Moscow Institute of Physics and Technology); Shaikhaidarov, R. (Royal Holloway University of London; Moscow Institute of Physics and Technology); Hönigl-Decrinis, T. (Royal Holloway University of London; National Physical Laboratory); de Graaf, S. E. (National Physical Laboratory); Antonov, V. N. (Royal Holloway University of London; Skolkovo Institute of Science and Technology; Moscow Institute of Physics and Technology); Astafiev, O. V. (Royal Holloway University of London; Skolkovo Institute of Science and Technology; National Physical Laboratory; Moscow Institute of Physics and Technology)	Teresa Hoenigl-Decrinis	Probing photon statistics of coherent states by continuous wave mixing on a two-level system	Physical Review A	10.1103/physreva.100.013808
2019	Braysher, E. (National Physical Laboratory; University of Surrey); Russell, B. (National Physical Laboratory); Woods, S. (National Physical Laboratory); García-Miranda, M. (National Physical Laboratory); Ivanov, P. (National Physical Laboratory); Bouchard, B. (); Read, D. (National Physical Laboratory; University of Surrey)	Emma Braysher	Complete dissolution of solid matrices using automated borate fusion in support of nuclear decommissioning and production of reference materials	Journal of Radioanalytical and Nuclear Chemistry	10.1007/s10967-019-06572-z
2019	Koutsourakis, George (National Physical Laboratory); Blakesley, James C. (National Physical Laboratory); Castro, Fernando A. (National Physical Laboratory; University of Surrey)	Georgios Koutsourakis	Signal Amplification Gains of Compressive Sampling for Photocurrent Response Mapping of Optoelectronic Devices	Sensors	10.3390/s19132870
2019	Jackson, T. (University of Oxford); Shenkin, A. (University of Oxford); Moore, J. (Scion); Bunce, A. (University of Connecticut); van Emmerik, T. (Delft University of Technology; Wageningen University & Research); Kane, B. (University of Massachusetts Amherst); Burcham, D. (National Parks Board); James, K. (University of Melbourne); Selker, J. (Oregon State University); Calders, K. (Ghent University); Origo, N. (National Physical Laboratory; University College London); Disney, M. (University College London); Burt, A. (University College London); Wilkes, P. (University College London); Raumonen, P. (Tampere University); Gonzalez de Tanago Menaca, J. (Wageningen University & Research; Center for International Forestry Research); Lau, A. (Wageningen University & Research; Center for International Forestry Research); Herold, M. (Wageningen University &	Niall Origo	An architectural understanding of natural sway frequencies in trees.	Journal of The Royal Society Interface	10.1098/rsif.2019.0116

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2019	Cao, Yameng (National Physical Laboratory); Koutsourakis, George (National Physical Laboratory); Sutton, Gavin J. M. (National Physical Laboratory); Kneller, James W. E. (National Physical Laboratory; Queen Mary University of London); Wood, Sebastian (National Physical Laboratory); Blakesley, James C. (National Physical Laboratory); Castro, Fernando A. (National Physical Laboratory; University of Surrey)	Georgios Koutsourakis	In situ contactless thermal characterisation and imaging of encapsulated photovoltaic devices using phosphor thermometry	Progress in Photovoltaics Research and Applications	10.1002/pip.3142
2019	Rowley, Maxwell (University of Sussex); Pasquazi, Alessia (University of Sussex); Wetzel, Benjamin (University of Sussex); Di Lauro, Luigi (University of Sussex); Gongora, Juan Sebastian Totero (University of Sussex); Bao, Hualong (University of Sussex); Silver, Jonathan (National Physical Laboratory); Del Bino, Leonardo (National Physical Laboratory); Dela Haye, Pascal (National Physical Laboratory); Peccianti, Marco (University of Sussex)	Leonardo Del Bino	Thermo-Optical Pulsing in a Resonator-Based Laser	2019 Conference on Lasers and Electro-Optics Europe & European Quantum Electronics Conference (CLEO/Europe-EQEC)	10.1109/cleoe-eqec.2019.8873107
2019	May, D. (Institute for Composite Materials); Aktas, A. (National Physical Laboratory); Advani, S.G. (University of Delaware); Berg, D.C. (Clausthal University of Technology); Endruweit, A. (University of Nottingham); Fauster, E. (University of Leoben); Lomov, S.V. (KU Leuven); Long, A. (University of Nottingham); Mitschang, P. (Institute for Composite Materials); Abaimov, S. (Skolkovo Institute of Science and Technology); Abliz, D. (Clausthal University of Technology); Akhatov, I. (Skolkovo Institute of Science and Technology); Ali, M.A. (Khalifa University of Science and Technology); Allen, T.D. (University of Auckland); Bickerton, S. (University of Auckland); Bodaghi, M. (Instituto de Engenharia Mecânica e Gestão Industrial); Caglar, B. (Koç University); Caglar, H. (Koç University); Chiminelli, A. (Instituto Tecnológico de Aragón);	Ana Yong	In-Plane Permeability Characterization of Engineering Textiles Based On Radial Flow Experiments: A Benchmark Exercise	Composites Part A Applied Science and Manufacturing	10.1016/j.compositesa.2019.03.006
2019	Dold, Gavin (University College London; National Physical Laboratory); Zollitsch, Christoph W. (University College London); O'Sullivan, James (University College London); Welinski, Sacha (French National Centre for Scientific Research); Ferrier, Alban (French National Centre for Scientific Research; Sorbonne University); Goldner, Philippe (French National Centre for Scientific Research); de Graaf, S.E. (National Physical Laboratory); Lindström, Tobias (National Physical Laboratory); Morton, John J.L. (University College London)	Gavin Dold	High-Cooperativity Coupling of a Rare-Earth Spin Ensemble to a Superconducting Resonator Using Yttrium Orthosilicate as a Substrate	Physical Review Applied	10.1103/physrevapplied.11.054082

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2019	Donnellan, Sean (National Physical Laboratory); Hill, Ian R (National Physical Laboratory); Bowden, William (National Physical Laboratory); Hobson, Richard (National Physical Laboratory)	William Bowden	A scalable arbitrary waveform generator for atomic physics experiments based on field-programmable gate array technology.	Review of Scientific Instruments	10.1063/1.5051124
2019	Akhtar, Mariam (National Physical Laboratory; University of Strathclyde); Wilpers, Guido (National Physical Laboratory); Choonee, Kaushal (National Physical Laboratory); Riis, Erling (University of Strathclyde); Sinclair, Alastair G ()	Mariam Akhtar	Radio-frequency microplasmas with energies suited to in situ selective cleaning of surface adsorbates in ion microtraps	Journal of Physics B Atomic Molecular and Optical Physics	10.1088/1361-6455/aaf704
2019	Corte-León, Héctor (National Physical Laboratory); Rodríguez, Luis Alfredo (University of Valle); Pancaldi, Matteo (CIC nanoGUNE); Gatel, Christophe (University of Toulouse); Cox, David (National Physical Laboratory); Snoeck, Etienne (University of Toulouse); Antonov, Vladimir (Royal Holloway University of London); Vavassori, Paolo (CIC nanoGUNE; Ikerbasque); Kazakova, Olga (National Physical Laboratory)	Hector Corte	Magnetic imaging using geometrically constrained nano-domain walls	Nanoscale	10.1039/c8nr07729k
2019	Bevington, P. (National Physical Laboratory; University of Strathclyde); Gartman, R. (National Physical Laboratory); Chalupczak, W. (National Physical Laboratory)	Patrick Bevington	Enhanced material defect imaging with a radio-frequency atomic magnetometer	Journal of Applied Physics	10.1063/1.5083039
2019	Akwani, Winifred (National Physical Laboratory; University of Surrey); Hingley-Wilson, Suzie (University of Surrey); Chambers, Mark (University of Surrey); Rakowska, Paulina (National Physical Laboratory); McMahon, Greg (National Physical Laboratory)	Winifred Akwani	Use of Nano- SIMS at the single cell-level to evaluate drug penetration into mycobacterial biofilms	Access Microbiology	10.1099/acmi.ac2019.po0466
2019	Yacoot, Andrew (); Klapetek, Petr (Czech Metrology Institute; Brno University of Technology); Valtr, Miroslav (); Grolich, Petr (Czech Metrology Institute); Dongmo, Herve (National Physical Laboratory); Lazzerini, Giovanni M (National Physical Laboratory); Bridges, Angus (National Physical Laboratory)	Angus Bridges	Design and performance of a test rig for evaluation of nanopositioning stages	Measurement Science and Technology	10.1088/1361-6501/aafd03

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2019	Mulholland, S (National Physical Laboratory); Klein, H A (National Physical Laboratory); Barwood, G P (National Physical Laboratory); Donnellan, S (National Physical Laboratory); Nisbet-Jones, P B R (National Physical Laboratory); Huang, G (National Physical Laboratory); Walsh, G (National Physical Laboratory); Baird, P E G (University of Oxford); Gill, P (National Physical Laboratory)	Sean Mulholland	Compact laser system for a laser-cooled ytterbium ion microwave frequency standard.	Review of Scientific Instruments	10.1063/1.5082703
2019	Steven, Rory T. (National Physical Laboratory); Shaw, Michael (National Physical Laboratory; University College London); Dexter, Alex (National Physical Laboratory); Murta, Teresa (National Physical Laboratory); Green, Felicia M. (National Physical Laboratory); Robinson, Kenneth N. (National Physical Laboratory); Gilmore, Ian S. (National Physical Laboratory); Takats, Zoltan (); Bunch, Josephine (National Physical Laboratory)	Kenneth Robinson	Construction and testing of an atmospheric-pressure transmission-mode matrix assisted laser desorption ionisation mass spectrometry imaging ion source with plasma ionisation enhancement	Analytica Chimica Acta	10.1016/j.aca.2018.11.003
2019	Al Nahas, K. (University of Cambridge); Cama, J. (University of Cambridge); Schaich, M. (University of Cambridge); Hammond, K. (National Physical Laboratory); Deshpande, S. (); Dekker, C. (); Ryadnov, M. G. (National Physical Laboratory); Keyser, U. F. (University of Cambridge)	Kate Hammond	A microfluidic platform for the characterisation of membrane active antimicrobials	Lab on a Chip	10.1039/c8lc00932e
2019	Kazakova, O. (National Physical Laboratory); Puttock, R. (National Physical Laboratory; Royal Holloway University of London); Barton, C. (National Physical Laboratory); Corte-León, H. (National Physical Laboratory); Jaafar, M. (); Neu, V. (Leibniz Institute for Solid State and Materials Research); Asenjo, A. ()	Robert Puttock, Hector Corte	Frontiers of magnetic force microscopy	Journal of Applied Physics	10.1063/1.5050712
2019	Mohajer, Jonathan Kim (University of Surrey; National Physical Laboratory); Nisbet, Andrew (University of Surrey; Royal Surrey County Hospital NHS Foundation Trust); Velliou, Eirini (University of Surrey); Ajaz, Mazhar (Royal Surrey County Hospital NHS Foundation Trust; University of Surrey); Schettino, Giuseppe (University of Surrey; National Physical Laboratory)	Jonathan Mohajer	Biological effects of static magnetic field exposure in the context of MR-guided radiotherapy	British Journal of Radiology	10.1259/bjr.20180484

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2019	Stant, Laurence T. (National Physical Laboratory; University of Surrey); Salter, Martin J. (National Physical Laboratory; University of Manchester); Ridler, Nick M. (National Physical Laboratory); Williams, Dylan F. (National Institute of Standards and Technology; University of California, Berkeley); Aaen, Peter H. (University of Surrey; National Physical Laboratory)	Laurence Stant	Propagating Measurement Uncertainty to Microwave Amplifier Nonlinear Behavioral Models	IEEE Transactions on Microwave Theory and Techniques	10.1109/tmtt.2018.2881087
2019	Jackson, T. (University of Oxford); Shenkin, A. (University of Oxford); Wellpott, A. (Facility for Airborne Atmospheric Measurements); Calders, K. (Ghent University); Origo, N. (National Physical Laboratory; University College London); Disney, M. (University College London; Natural Environment Research Council); Burt, A. (University College London); Raumonen, P. (Tampere University); Gardiner, B. (); Herold, M. (Wageningen University & Research); Fourcaud, T. (Botany and Modelling of Plant Architecture and Vegetation); Malhi, Y. (University of Oxford)	Niall Origo	Finite element analysis of trees in the wind based on terrestrial laser scanning data	Agricultural and Forest Meteorology	10.1016/j.agrformet.2018.11.014
2019	Alyahyawi, Amjad. (University of Surrey; University of Hail; Royal Surrey County Hospital); Dimitriadis, A. (University of Surrey; National Physical Laboratory; Royal Surrey County Hospital); Jafari, S.M. (University of Surrey; Queen Alexandra Hospital; Royal Surrey County Hospital); Lohstroh, A. (University of Surrey; Royal Surrey County Hospital); Alanazi, A. (University of Surrey; Royal Surrey County Hospital); Alsubaie, A. (University of Surrey; Taif University; Royal Surrey County Hospital); Clark, C.H. (National Physical Laboratory; Taif University; Royal Surrey County Hospital); Nisbet, A. (University of Surrey; Taif University; Royal Surrey County Hospital); Bradley, D.A. (University of Surrey; Sunway University; Royal Surrey County Hospital)	Alexis Dimitriadis	Thermoluminescence Measurements of Eye-Lens Dose in a Multi-centre Stereotactic Radiosurgery Audit	Radiation Physics and Chemistry	10.1016/j.radphyschem.2018.08.030
2019	Jackson, Tobias (University of Oxford); Shenkin, Alexander (University of Oxford); Kalyan, Bavisha (University of California, Berkeley); Zionts, Jessica (University of Oxford); Calders, Kim (Ghent University); Origo, Niall (National Physical Laboratory; University College London); Disney, Mathias (University College London); Burt, Andrew (University College London); Raumonen, Pasi (Tampere University); Malhi, Yadvinder (University of Oxford)	Niall Origo	A New Architectural Perspective on Wind Damage in a Natural Forest	Frontiers in Forests and Global Change	10.3389/ffgc.2018.00013

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2019	Copie, François (National Physical Laboratory); Woodley, Michael T M (National Physical Laboratory; Heriot-Watt University); Del Bino, Leonardo (National Physical Laboratory; Heriot-Watt University); Silver, Jonathan M (National Physical Laboratory); Zhang, Shuangyou (National Physical Laboratory); Del'Haye, Pascal (National Physical Laboratory)	Michael Woodley, Leonardo Del Bino	Interplay of Polarization and Time-Reversal Symmetry Breaking in Synchronously Pumped Ring Resonators	Physical Review Letters	10.1103/physrevlett.122.013905
2019	Bevington, P (National Physical Laboratory); Gartman, R (National Physical Laboratory); Chalupczak, W (National Physical Laboratory)	Patrick Bevington	Imaging of material defects with a radio-frequency atomic magnetometer.	Review of Scientific Instruments	10.1063/1.5053959
2019	Costa, C. (University of Surrey); van Es, E.M. (National Physical Laboratory); Sears, P. (Defence Science and Technology Laboratory); Bunch, J. (National Physical Laboratory); Palitsin, Vladimir (University of Surrey); Cooper, H. (University of Birmingham); Bailey, M.J. (University of Surrey)	Elsje van-Es	Exploring a route to a selective and sensitive portable system for explosive detection– swab spray ionisation coupled to of high-field assisted waveform ion mobility spectrometry (FAIMS)	Forensic Science International Synergy	10.1016/j.fsisyn.2019.07.009
2019	Shautsova, Viktoryia (University of Oxford); Oulton, Rupert F. (Imperial College London); Gusken, Nicholas A. (Imperial College London); Sidiropoulos, Themistoklis (Imperial College London); Xiao, Xiaofei (Imperial College London); Black, N C G (National Physical Laboratory); Gilbertson, Adam M. (Imperial College London); Giannini, Vincenzo (Imperial College London); Maier, Stefan A. (Ludwig Maximilian University of Munich); Cohen, Lesley F. (Imperial College London)	Nicola Black	Plasmonic photo-thermo-electric effect in graphene	Conference on Lasers and Electro-Optics	10.1364/cleo_qels.2019.fth3c.5
2019	Rowley, Maxwell (); Wetzel, Benjamin (); Di Lauro, Luigi (); Gongora, Juan S. Totero (); Bao, Hualong (); Silver, Jonathan (National Physical Laboratory); Del Bino, Leonardo (National Physical Laboratory); Haye, Pascal Del (National Physical Laboratory); Peccianti, Marco (); Pasquazi, Alessia ()	Leonardo Del Bino	Thermo-optical pulsing in a microresonator filtered fiber-laser: a route towards all-optical control and synchronization.	Optics Express	10.1364/oe.27.019242

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2019	Zhang, Shuangyou (National Physical Laboratory); Silver, Jonathan M. (National Physical Laboratory); Shang, Xiaobang (National Physical Laboratory); Del Bino, Leonardo (National Physical Laboratory); Ridler, Nick M. (National Physical Laboratory); Del'Haye, Pascal (National Physical Laboratory)	Leonardo Del Bino	Terahertz wave generation using a soliton microcomb.	Optics Express	10.1364/oe.27.035257
2019	Hirvonen, Viivi H A (University of Bristol); Hammond, Katharine (University of Bristol; National Physical Laboratory); Chudyk, Ewa I (University of Bristol); Limb, Michael A L (University of Bristol); Spencer, James (University of Bristol); Mulholland, Adrian J (University of Bristol); van der Kamp, Marc W (University of Bristol)	Kate Hammond	An Efficient Computational Assay for β-Lactam Antibiotic Breakdown by Class A β-Lactamases.	Journal of Chemical Information and Modeling	10.1021/acs.jcim.9b00442
2019	von Finck, A. (); Herffurth, T. (); Duparré, A. (); Schröder, S. (); Lequime, M. (); Zerrad, M. (); Liukaityte, S. (); Amra, C. (); Achour, S. (); Chalony, M. (); Kuperman, Q. (); Cornil, Y. (); Bialek, A. (National Physical Laboratory); Goodman, T. (National Physical Laboratory); Greenwell, C. (National Physical Laboratory); Gur, B. (); Brinkers, S. (); Otter, G. (); Vosteen, A. (); Stover, J. (); Vink, R. (); Deep, A. (); Doyle, D. ()	Agnieszka Bialek	International round-robin experiment for angle-resolved light scattering measurement.	Applied Optics	10.1364/ao.58.006638
2019	Enzian, G. (); Szczykulska, M. (); Silver, J. (National Physical Laboratory); Del Bino, L. (National Physical Laboratory); Zhang, S. (National Physical Laboratory); Walmsley, I. A. (); Del'Haye, P. (National Physical Laboratory); Vanner, M. R. ()	Leonardo Del Bino	Observation of Brillouin optomechanical strong coupling with an 11 GHz mechanical mode	Optica	10.1364/optica.6.000007
2019	Zhang, Shuangyou (National Physical Laboratory); Silver, Jonathan M. (National Physical Laboratory); Del Bino, Leonardo (National Physical Laboratory); Copie, Francois (National Physical Laboratory); Woodley, Michael T. M. (National Physical Laboratory); Ghalanos, George N. (National Physical Laboratory); Svela, Andreas Ø. (National Physical Laboratory); Moroney, Niall (); Del'Haye, Pascal (National Physical Laboratory)	Leonardo Del Bino, Michael Woodley, Geor	Sub-milliwatt-level microresonator solitons with extended access range using an auxiliary laser	Optica	10.1364/optica.6.000206

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2019	Jovančević, N. (); Lebois, M. (); Wilson, J.N. (); Thisse, D. (); Qi, L. (); Matea, I. (); Ibrahim, F. (); Verney, D. (); Babo, M. (); Delafosse, C. (); Adsley, F. (); Tocabens, G. (); Gottardo, A. (); Popovitch, Y. (); Nemer, J. (); Canavan, R. (National Physical Laboratory); Rudigier, M. (); Belvedere, K. (); Boso, A. (National Physical Laboratory); Regan, P. (National Physical Laboratory); Podolyak, Zs. (); Shearman, R. (National Physical Laboratory); Bunce, M. (National Physical Laboratory); Inavov, P. (); Oberstedt, S. (); Lopez-Martens, A. (); Hauschild, K. (); Ljungvall, J. (); Chakma, R. (); Lozeva, R. (); Söderström, P.-A. (); Oberstedt, A. (); Etasse, D. (); Ralet, D. (); Blazhev, A. (); Gerst, R.-B. (); Hafner, G. (); Cieplicka-Oryńczak, N. (); Iskra, L. (); Fornal, B. (); Benzoni, G. (); Leoni, S. (); Bottoni, S. (); Henrich, C. (); Koseoglou, P. (); Wiederhold, J. (); Homm, I. (); Surder, C. (); Kroll, T. (); Knezevic,	Rhiann Canavan, Robert Shearman	Spectroscopy of Neutron Induced Reactions with the $\nu $-ball Spectrometer	Acta Physica Polonica B	10.5506/aphyspolb.50.297
2019	Rudigier, M. (); Canavan, R.L. (National Physical Laboratory); Regan, P.H. (National Physical Laboratory); Söderström, P.-A. (); Lebois, M. (); Wilson, J.N. (); Jovančević, N. (); Bottoni, S. (); Brunet, M. (); Cieplicka-Oryńczak, N. (); Courtin, S. (); Doherty, D.T. (); Hadyńska-Klęk, K. (); Heine, M. (); Iskra, Ł.W. (); Karayonchev, V. (); Kennington, A. (); Koseoglou, P. (); Lotay, G. (); Lorusso, G. (National Physical Laboratory); Nakhostin, M. (); Nita, C.R. (); Oberstedt, S. (); Podolyak, Zs. (); Qi, L. (); Régis, J.-M. (); Shearman, R. (National Physical Laboratory); Walker, P.M. (); Witt, W. ()	Rhiann Canavan, Robert Shearman	Isomer Spectroscopy and Sub-nanosecond Half-live Determination in ^{178}W Using the NuBALL Array	Acta Physica Polonica B	10.5506/aphyspolb.50.661
2019	Flynn, S. (National Physical Laboratory); Price, T. (National Physical Laboratory); Galer, S. (National Physical Laboratory); Thomas, R . (National Physical Laboratory); Cotterill, J. (); Chiesa, M. (); Waltham, C. (); Taylor, J. (); Smith, A. (); Allport, P. ()	Sam Flynn	Characterisation of a megavolt X-Ray therapeutic beam using non-orthogonal strip detectors for future enhanced primary standard dosimetry	Journal of Instrumentation	10.1088/1748-0221/14/09/t09007

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2019	Rynn, James A J (National Physical Laboratory); Cotter, Simon L (); Powell, Catherine E (); Wright, Louise (National Physical Laboratory)	James Rynn	Surrogate accelerated Bayesian inversion for the determination of the thermal diffusivity of a material	Metrologia	10.1088/1681-7575/aaf984
2019	Singh, Balraj (McMaster University); Basunia, M.S. (Lawrence Berkeley National Laboratory); Martin, Murray (Oak Ridge National Laboratory); McCutchan, E.A. (Brookhaven National Laboratory); Bala, Indu (Inter-University Accelerator Centre); Caballero-Folch, R. (TRIUMF); Canavan, Rhiann (University of Surrey; National Physical Laboratory); Chakrabarti, Ritwika (University of Mumbai); Chekhovska, A. (Kharkov Institute of Physics and Technology); Grinder, M.M. (National Superconducting Cyclotron Laboratory); Kaim, Samra (University of Mentouri); Kanjilal, Debasmita (); Kasperovych, D. (Institute for Nuclear Research); Kobra, M.J. (University of Rajshahi); Koura, H. (Japan Atomic Energy Agency); Nandi, Soumen (Variable Energy Cyclotron Centre); Olacel, Adina (Horia Hulubei National Institute for R and D in Physics and Nuclear	Rhiann Canavan	Nuclear Data Sheets for A=218	Nuclear Data Sheets	10.1016/j.nds.2019.100524
2019	Bouvet (); Thome (); Berthelot (); Bialek, Agnieszka (National Physical Laboratory); Czapla-Myers (); Fox, Nigel (National Physical Laboratory); Goryl (); Henry (); Ma (); Marcq (); Meygret (); Wenny (); Woolliams, Emma (National Physical Laboratory)	Agnieszka Bialek	RadCalNet: A Radiometric Calibration Network for Earth Observing Imagers Operating in the Visible to Shortwave Infrared Spectral Range	Remote Sensing	10.3390/rs11202401
2019	Mackenzie, David M A (); Panchal, Vishal (National Physical Laboratory); Corte-León, Héctor (National Physical Laboratory); Petersen, Dirch H (Technical University of Denmark); Kazakova, Olga (National Physical Laboratory)	Hector Corte	Qualitative analysis of scanning gate microscopy on epitaxial graphene	2D Materials	10.1088/2053-1583/ab0572

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2019	Heikkinen, Ismo T. S. (); Koutsourakis, George (National Physical Laboratory); Wood, Sebastian (National Physical Laboratory); Vähänissi, Ville (); Castro, Fernando A. (National Physical Laboratory); Savin, Hele ()	Georgios Koutsourakis	Stability of the surface passivation properties of atomic layer deposited aluminum oxide in damp heat conditions	AIP Conference Proceedings	10.1063/1.5123852
2019	Costa, Nathalia Almeida (National Physical Laboratory); Patallo, Ileana Silvestre (National Physical Laboratory); Dimitriadis, Alex (); Saraiva, Crystian W.C. (Hospital do Coração); da Penha Albuquerque Potiens, Maria ()	Ileana Silvestre Patallo	Phantom development and implementation for Gamma Knife® dosimetry	Radiation Physics and Chemistry	10.1016/j.radphyschem.2019.108355

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