

Martin D De Jonge

List of Publications by Year in descending order

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127
papers

5,571
citations

61984

43
h-index

91884

69
g-index

130
all docs

130
docs citations

130
times ranked

7929
citing authors

#	ARTICLE	IF	CITATIONS
1	Keyhole coherent diffractive imaging. <i>Nature Physics</i> , 2008, 4, 394-398.	16.7	289
2	Marine Polyphosphate: A Key Player in Geologic Phosphorus Sequestration. <i>Science</i> , 2008, 320, 652-655.	12.6	260
3	Relating Cytotoxicity, Zinc Ions, and Reactive Oxygen in ZnO Nanoparticle-Exposed Human Immune Cells. <i>Toxicological Sciences</i> , 2013, 136, 120-130.	3.1	198
4	Imaging metals in biology: balancing sensitivity, selectivity and spatial resolution. <i>Chemical Society Reviews</i> , 2015, 44, 5941-5958.	38.1	154
5	Hard X-ray fluorescence tomography—an emerging tool for structural visualization. <i>Current Opinion in Structural Biology</i> , 2010, 20, 606-614.	5.7	153
6	Quantitative 3D elemental microtomography of <i>Cyclotella meneghiniana</i> at 400-nm resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15676-15680.	7.1	146
7	Megapixel imaging of (micro)nutrients in mature barley grains. <i>Journal of Experimental Botany</i> , 2011, 62, 273-282.	4.8	134
8	Phosphorus K-edge XANES spectroscopy of mineral standards. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 189-197.	2.4	130
9	In Situ Distribution and Speciation of Toxic Copper, Nickel, and Zinc in Hydrated Roots of Cowpea. <i>Plant Physiology</i> , 2011, 156, 663-673.	4.8	130
10	Quantification of ZnO Nanoparticle Uptake, Distribution, and Dissolution within Individual Human Macrophages. <i>ACS Nano</i> , 2013, 7, 10621-10635.	14.6	116
11	Determination of the oxidation state of Cu in substituted Cu-In-Fe-bearing sphalerite via XANES spectroscopy. <i>American Mineralogist</i> , 2012, 97, 476-479.	1.9	114
12	Iron, Copper, and Zinc Concentration in A β Plaques in the APP/PS1 Mouse Model of Alzheimer's Disease Correlates with Metal Levels in the Surrounding Neuropil. <i>ACS Chemical Neuroscience</i> , 2017, 8, 629-637.	3.5	107
13	X-ray elemental mapping techniques for elucidating the ecophysiology of hyperaccumulator plants. <i>New Phytologist</i> , 2018, 218, 432-452.	7.3	104
14	Quantitative Phase Imaging with a Scanning Transmission X-Ray Microscope. <i>Physical Review Letters</i> , 2008, 100, 163902.	7.8	93
15	Trends in hard X-ray fluorescence mapping: environmental applications in the age of fast detectors. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1637-1644.	3.7	93
16	Systematic Mapping of Icosahedral Short-Range Order in a Melt-Spun $Zr_{36}Cu$ Glass. <i>Physical Review Letters</i> , 2013, 110, 205505.	7.8	93
17	Fast X-Ray Fluorescence Microtomography of Hydrated Biological Samples. <i>PLoS ONE</i> , 2011, 6, e20626.	2.5	89
18	Direct in vivo imaging of ferrous iron dyshomeostasis in ageing <i>Caenorhabditis elegans</i> . <i>Chemical Science</i> , 2015, 6, 2952-2962.	7.4	86

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19	Nanoscale Imaging of Buried Structures with Elemental Specificity Using Resonant X-Ray Diffraction Microscopy. <i>Physical Review Letters</i> , 2008, 100, 025504.	7.8	81
20	Laterally resolved speciation of arsenic in roots of wheat and rice using fluorescence XANES imaging. <i>New Phytologist</i> , 2014, 201, 1251-1262.	7.3	81
21	Absorption of foliar-applied Zn in sunflower (<i>Helianthus annuus</i>): importance of the cuticle, stomata and trichomes. <i>Annals of Botany</i> , 2019, 123, 57-68.	2.9	81
22	A review of recent developments in the speciation and location of arsenic and selenium in rice grain. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 3275-3286.	3.7	79
23	High-Definition X-ray Fluorescence Elemental Mapping of Paintings. <i>Analytical Chemistry</i> , 2012, 84, 3278-3286.	6.5	79
24	Differential phase contrast with a segmented detector in a scanning X-ray microprobe. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 355-362.	2.4	75
25	X-ray Absorption and Micro X-ray Fluorescence Spectroscopy Investigation of Copper and Zinc Speciation in Biosolids. <i>Environmental Science & Technology</i> , 2011, 45, 7249-7257.	10.0	75
26	The XFM beamline at the Australian Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1447-1458.	2.4	75
27	Metabolism of Selenite in Human Lung Cancer Cells: X-Ray Absorption and Fluorescence Studies. <i>Journal of the American Chemical Society</i> , 2011, 133, 18272-18279.	13.7	73
28	Localization of iron in rice grain using synchrotron X-ray fluorescence microscopy and high resolution secondary ion mass spectrometry. <i>Journal of Cereal Science</i> , 2014, 59, 173-180.	3.7	65
29	X-ray nanoprobe and diffraction-limited storage rings: opportunities and challenges of fluorescence tomography of biological specimens. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 1031-1047.	2.4	61
30	A Hidden Portrait by Edgar Degas. <i>Scientific Reports</i> , 2016, 6, 29594.	3.3	61
31	Losses of essential mineral nutrients by polishing of rice differ among genotypes due to contrasting grain hardness and mineral distribution. <i>Journal of Cereal Science</i> , 2012, 56, 307-315.	3.7	59
32	Getting to the core of platinum drug bio-distributions: the penetration of anti-cancer platinum complexes into spheroid tumour models. <i>Metallomics</i> , 2012, 4, 1209.	2.4	56
33	Speciation mapping of environmental samples using XANES imaging. <i>Environmental Chemistry</i> , 2014, 11, 341.	1.5	55
34	Significant Accumulation of Polymyxin in Single Renal Tubular Cells: A Medicinal Chemistry and Triple Correlative Microscopy Approach. <i>Analytical Chemistry</i> , 2015, 87, 1590-1595.	6.5	54
35	Quantitative comparison of preparation methodologies for x-ray fluorescence microscopy of brain tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 853-864.	3.7	53
36	Measurement of the x-ray mass attenuation coefficient and determination of the imaginary component of the atomic form factor of molybdenum over the 13.5-41.5 keV energy range. <i>Physical Review A</i> , 2005, 71, .	2.5	52

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37	Reduced As components in highly oxidized environments: Evidence from full spectral XANES imaging using the Maia massively parallel detector. <i>American Mineralogist</i> , 2010, 95, 884-887.	1.9	52
38	Uptake, Distribution, and Speciation of Selenoamino Acids by Human Cancer Cells: X-ray Absorption and Fluorescence Methods. <i>Biochemistry</i> , 2011, 50, 1641-1650.	2.5	50
39	X-ray fluorescence microscopy of zinc localization in wheat grains biofortified through foliar zinc applications at different growth stages under field conditions. <i>Plant and Soil</i> , 2015, 392, 357-370.	3.7	50
40	High-resolution X-ray imaging of <i>Plasmodium falciparum</i> -infected red blood cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 949-957.	1.5	49
41	Systematic functional characterization of putative zinc transport genes and identification of zinc toxicosis phenotypes in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 3254-65.	1.7	48
42	<i>Caenorhabditis elegans</i> Maintains Highly Compartmentalized Cellular Distribution of Metals and Steep Concentration Gradients of Manganese. <i>PLoS ONE</i> , 2012, 7, e32685.	2.5	47
43	Radiation Dose Limits for Bioanalytical X-ray Fluorescence Microscopy. <i>Analytical Chemistry</i> , 2017, 89, 12168-12175.	6.5	45
44	Examination of the Distribution of Arsenic in Hydrated and Fresh Cowpea Roots Using Two- and Three-Dimensional Techniques. <i>Plant Physiology</i> , 2012, 159, 1149-1158.	4.8	43
45	Measurement of the x-ray mass attenuation coefficient and determination of the imaginary component of the atomic form factor of tin over the energy range of 29-60 keV. <i>Physical Review A</i> , 2007, 75, .	2.5	42
46	An investigation into the interactions of gold nanoparticles and anti-arthritis drugs with macrophages, and their reactivity towards thioredoxin reductase. <i>Journal of Inorganic Biochemistry</i> , 2015, 142, 28-38.	3.5	42
47	Simultaneous hyperaccumulation of nickel and cobalt in the tree <i>Glochidion cf. sericeum</i> (Phyllanthaceae): elemental distribution and chemical speciation. <i>Scientific Reports</i> , 2018, 8, 9683.	3.3	42
48	Can biological toxicity drive the contrasting behavior of platinum and gold in surface environments?. <i>Chemical Geology</i> , 2013, 343, 99-110.	3.3	40
49	Direct in vivo imaging of essential bioinorganics in <i>Caenorhabditis elegans</i> . <i>Metallomics</i> , 2013, 5, 627.	2.4	40
50	Quantitative determination of metal and metalloid spatial distribution in hydrated and fresh roots of cowpea using synchrotron-based X-ray fluorescence microscopy. <i>Science of the Total Environment</i> , 2013, 463-464, 131-139.	8.0	38
51	X-ray fluorescence imaging reveals subcellular biometal disturbances in a childhood neurodegenerative disorder. <i>Chemical Science</i> , 2014, 5, 2503-2516.	7.4	38
52	Distribution of Metals in the Termite <i>Termitermes tumuli</i> (Froggatt): Two Types of Malpighian Tubule Concretion Host Zn and Ca Mutually Exclusively. <i>PLoS ONE</i> , 2011, 6, e27578.	2.5	37
53	XANES: In vivo imaging of metal-protein coordination environments. <i>Scientific Reports</i> , 2016, 6, 20350.	3.3	37
54	Experimental Measurement of the Four-Dimensional Coherence Function for an Undulator X-Ray Source. <i>Physical Review Letters</i> , 2007, 98, 224801.	7.8	36

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55	Exploring Ocean Biogeochemistry by Single-Cell Microprobe Analysis of Protist Elemental Composition. <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 151-162.	1.7	34
56	The use of spectroscopic imaging and mapping techniques in the characterisation and study of DLD-1 cell spheroid tumour models. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 1072-1080.	1.3	32
57	High mitochondrial accumulation of new gadolinium(III) agents within tumour cells. <i>Chemical Communications</i> , 2014, 50, 2252-2254.	4.1	31
58	Quantitative synchrotron X-ray fluorescence study of the penetration of transferrin-conjugated gold nanoparticles inside model tumour tissues. <i>Nanoscale</i> , 2014, 6, 9774-9782.	5.6	30
59	Absolute determination of the effect of scattering and fluorescence on x-ray attenuation measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 3163-3176.	1.5	29
60	Anoxic versus oxic sample pretreatment: Effects on the speciation of sulfur and iron in well-aerated and wetland soils as assessed by X-ray absorption near-edge spectroscopy (XANES). <i>Geoderma</i> , 2009, 153, 318-330.	5.1	29
61	Elemental mapping of the entire intact <i>Drosophila</i> gastrointestinal tract. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 979-987.	2.6	28
62	Spiral scanning X-ray fluorescence computed tomography. <i>Optics Express</i> , 2017, 25, 23424.	3.4	28
63	Mechanisms of murine cerebral malaria: Multimodal imaging of altered cerebral metabolism and protein oxidation at hemorrhage sites. <i>Science Advances</i> , 2015, 1, e1500911.	10.3	25
64	Ferric minerals and organic matter change arsenic speciation in copper mine tailings. <i>Environmental Pollution</i> , 2016, 218, 835-843.	7.5	25
65	X-ray mass attenuation coefficients and imaginary components of the atomic form factor of zinc over the energy range of 7.2–15.2 keV. <i>Physical Review A</i> , 2010, 81, .	2.5	24
66	Mapping iron in human heart tissue with synchrotron x-ray fluorescence microscopy and cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 80.	3.3	24
67	<i>In situ</i> analyses of inorganic nutrient distribution in sweetcorn and maize kernels using synchrotron-based X-ray fluorescence microscopy. <i>Annals of Botany</i> , 2019, 123, 543-556.	2.9	24
68	Full-foil x-ray mapping of integrated column density applied to the absolute determination of mass attenuation coefficients. <i>Measurement Science and Technology</i> , 2004, 15, 1811-1822.	2.6	23
69	Characterization of phosphorus, calcium, iron, and other elements in organisms at sub-micron resolution using X-ray fluorescence spectromicroscopy. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 42-51.	2.0	23
70	Human Amnion Epithelial Cells Induced to Express Functional Cystic Fibrosis Transmembrane Conductance Regulator. <i>PLoS ONE</i> , 2012, 7, e46533.	2.5	23
71	Synthesis and Biological Evaluation of a Class of Mitochondrially-Targeted Gadolinium(III) Agents. <i>Chemistry - A European Journal</i> , 2014, 20, 16602-16612.	3.3	22
72	High-resolution complementary chemical imaging of bio-elements in <i>Caenorhabditis elegans</i> . <i>Metallomics</i> , 2016, 8, 156-160.	2.4	22

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73	Revealing the Elemental Distribution within Latent Fingermarks Using Synchrotron Sourced X-ray Fluorescence Microscopy. <i>Analytical Chemistry</i> , 2019, 91, 10622-10630.	6.5	22
74	X-ray bandwidth: Determination by on-edge absorption and effect on various absorption experiments. <i>Physical Review A</i> , 2004, 69, .	2.5	21
75	Quantitative phase measurement in coherent diffraction imaging. <i>Optics Express</i> , 2008, 16, 3342.	3.4	21
76	Antagonism between transition metal pro-oxidants in polyethylene films. <i>Polymer Degradation and Stability</i> , 2012, 97, 1178-1188.	5.8	21
77	Distribution and speciation of Mn in hydrated roots of cowpea at levels inhibiting root growth. <i>Physiologia Plantarum</i> , 2013, 147, 453-464.	5.2	21
78	Quantitation and localization of intracellular redox active metals by X-ray fluorescence microscopy in cortical neurons derived from APP and APLP2 knockout tissue. <i>Metallomics</i> , 2014, 6, 1894-1904.	2.4	21
79	Quantitative mapping of the oxidative effects of mantle metasomatism. <i>Geology</i> , 2013, 41, 683-686.	4.4	20
80	Monitoring compositional changes in Ni(OH) ₂ electrocatalysts employed in the oxygen evolution reaction. <i>Analyst, The</i> , 2019, 144, 7318-7325.	3.5	20
81	Fate of Intravenously Administered Gold Nanoparticles in Hair Follicles: Follicular Delivery, Pharmacokinetic Interpretation, and Excretion. <i>Advanced Healthcare Materials</i> , 2012, 1, 736-741.	7.6	19
82	Simultaneous X-ray fluorescence and scanning X-ray diffraction microscopy at the Australian Synchrotron XFM beamline. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1151-1157.	2.4	19
83	Confocal Volumetric μ XRF and Fluorescence Computed μ -Tomography Reveals Arsenic Three-Dimensional Distribution within Intact <i>Pteris vittata</i> Fronds. <i>Environmental Science & Technology</i> , 2020, 54, 745-757.	10.0	19
84	In Situ Speciation and Distribution of Toxic Selenium in Hydrated Roots of Cowpea. <i>Plant Physiology</i> , 2013, 163, 407-418.	4.8	18
85	Strontium mineralization of shark vertebrae. <i>Scientific Reports</i> , 2016, 6, 29698.	3.3	18
86	Detection of Genetically Altered Copper Levels in Drosophila Tissues by Synchrotron X-Ray Fluorescence Microscopy. <i>PLoS ONE</i> , 2011, 6, e26867.	2.5	18
87	Accurate determination of the thickness or mass per unit area of thin foils and single-crystal wafers for x-ray attenuation measurements. <i>Review of Scientific Instruments</i> , 2004, 75, 2943-2949.	1.3	16
88	Favored local structures in amorphous colloidal packings measured by microbeam X-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10344-10349.	7.1	16
89	Nano-roughness in gold revealed from X-ray signature. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1177-1180.	2.1	15
90	Palaeomagnetic and synchrotron analysis of \sim 1.95 Ma fossil-bearing palaeokarst at Haasgat, South Africa. <i>South African Journal of Science</i> , 2014, 110, 1-12.	0.7	14

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91	Copper and lactational hormones influence the CTR1 copper transporter in PMC42-LA mammary epithelial cell culture models. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 377-387.	4.2	14
92	High-Pressure Synthesis, Structural, and Spectroscopic Studies of the Ni ²⁺ /O System. <i>Inorganic Chemistry</i> , 2018, 57, 13847-13858.	4.0	14
93	Novel application of X-ray fluorescence microscopy (XFM) for the non-destructive micro-elemental analysis of natural mineral pigments on Aboriginal Australian objects. <i>Analyst, The</i> , 2016, 141, 3657-3667.	3.5	13
94	Calculation of Projected Bond-Orientational Order Parameters to Quantify Local Symmetries from Transmission Diffraction Data. <i>Physical Review Letters</i> , 2016, 116, 205501.	7.8	13
95	Iron-rich particles in heavily contaminated multicrystalline silicon wafers and their response to phosphorus gettering. <i>Semiconductor Science and Technology</i> , 2012, 27, 125016.	2.0	12
96	A step toward standardization: development of accurate measurements of X-ray absorption and fluorescence. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 851-862.	2.4	12
97	Simultaneous X-ray diffraction, crystallography and fluorescence mapping using the Maia detector. <i>Acta Materialia</i> , 2018, 144, 1-10.	7.9	12
98	Localized zinc distribution in shark vertebrae suggests differential deposition during ontogeny and across vertebral structures. <i>PLoS ONE</i> , 2018, 13, e0190927.	2.5	12
99	X-ray fluorescence elemental mapping of roots, stems and leaves of the nickel hyperaccumulators <i>Rinorea cf. bengalensis</i> and <i>Rinorea cf. javanica</i> (Violaceae) from Sabah (Malaysia), Borneo. <i>Plant and Soil</i> , 2020, 448, 15-36.	3.7	11
100	Measuring the linearity of X-ray detectors: consequences for absolute attenuation, scattering and absolute Bragg intensities. <i>Journal of Applied Crystallography</i> , 2011, 44, 281-286.	4.5	10
101	Mapping Element Distributions in Plant Tissues Using Synchrotron X-ray Fluorescence Techniques. <i>Methods in Molecular Biology</i> , 2013, 953, 143-159.	0.9	10
102	Curved beam coherent diffractive imaging. <i>Thin Solid Films</i> , 2007, 515, 5553-5556.	1.8	9
103	Simultaneous nanostructure and chemical imaging of intact whole nematodes. <i>Chemical Communications</i> , 2019, 55, 1052-1055.	4.1	9
104	The correction of systematic image deformations inherent to two-dimensional proportional counters. <i>Measurement Science and Technology</i> , 2005, 16, 2280-2286.	2.6	8
105	A method for phase reconstruction from measurements obtained using a configured detector with a scanning transmission X-ray microscope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 582, 218-220.	1.6	8
106	Scanning X-ray fluorescence microspectroscopy of metallic impurities in solar-grade silicon. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1807-1810.	1.8	8
107	Microelemental characterisation of Aboriginal Australian natural Fe oxide pigments. <i>Analytical Methods</i> , 2015, 7, 7363-7380.	2.7	8
108	The Topobiology of Chemical Elements in Seabird Feathers. <i>Scientific Reports</i> , 2017, 7, 1998.	3.3	8

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109	Revealing differences in the chemical form of zinc in brain tissue using K-edge X-ray absorption near-edge structure spectroscopy. <i>Metallomics</i> , 2020, 12, 2134-2144.	2.4	8
110	Improved techniques for measuring x-ray mass attenuation coefficients. <i>Optical Engineering</i> , 2006, 45, 046501.	1.0	7
111	A library of AuNPs modified by RAFT polymers of different charge and chain length: high throughput synthesis and synchrotron XFM imaging using a zebrafish larvae model. <i>RSC Advances</i> , 2016, 6, 23550-23563.	3.6	6
112	High-speed free-run ptychography at the Australian Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 480-487.	2.4	6
113	An energy and intensity monitor for X-ray absorption near-edge structure measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 619, 154-156.	1.6	5
114	Validation of aGeant4model of the X-ray fluorescence microprobe at the Australian Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 354-365.	2.4	5
115	Characterization of an indirect X-ray imaging detector by simulation and experiment. <i>Ultramicroscopy</i> , 2015, 148, 20-24.	1.9	5
116	X-ray fluorescence microscopic measurement of elemental distribution in the mouse retina with age. <i>Metallomics</i> , 2016, 8, 1110-1121.	2.4	5
117	Synchrotron-Based X-Ray Fluorescence Microscopy Reveals Accumulation of Polymyxins in Single Human Alveolar Epithelial Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	5
118	Multimodal synchrotron X-ray fluorescence imaging reveals elemental distribution in seeds and seedlings of the Znâ€Cdâ€Ni hyperaccumulator<i>Noccaea caerulescens</i>. <i>Metallomics</i> , 2022, 14, .	2.4	5
119	Crystal optics as guard apertures for coherent x-ray diffraction imaging. <i>Optics Letters</i> , 2006, 31, 3194.	3.3	4
120	Energy determination of synchrotron X-ray beam energy in the high energy region of 38â€50keV using powder diffraction patterns of the standard powder Si640b. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 619, 147-149.	1.6	4
121	Polycrystalline materials analysis using the Maia pixelated energy-dispersive X-ray area detector. <i>Powder Diffraction</i> , 2017, 32, S16-S21.	0.2	4
122	â€A spectroscopic picture paints 1000 wordsâ€mapping iron speciation in brain tissue with â€full spectrum per pixelâ€X-ray absorption near-edge structure spectroscopy. <i>Clinical Spectroscopy</i> , 2021, 3, 100017.	1.3	4
123	Secondary vitellogenesis persists despite disrupted fecundity in amphipods maintained on metal-contaminated sediment: X-ray fluorescence assessment of oocyte metal content. <i>Ecotoxicology and Environmental Safety</i> , 2013, 93, 31-38.	6.0	3
124	High-accuracy mass attenuation coefficients and X-ray absorption spectroscopy of zinc â€ the first X-ray Extended Range Technique-like experiment in Australia. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1476-1491.	2.4	2
125	Manganese accumulation in probiotic <i>Lactobacillus paracasei</i> ATCC 55544 analyzed by synchrotron X-ray fluorescence microscopy and impact of accumulation on the bacterial viability following encapsulation. <i>Food Research International</i> , 2021, 147, 110528.	6.2	2
126	Examination of trafficking of phagocytosed colloid particles in neutrophils using synchrotron-based X-ray fluorescence microscopy (XFM). <i>Journal of Biological Physics</i> , 2011, 37, 493-506.	1.5	1

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127	High-accuracy measurement of mass attenuation coefficients and the imaginary component of the atomic form factor of zinc from 8.51 keV to 11.59 keV, and X-ray absorption fine structure with investigation of zinc theory and nanostructure. Journal of Synchrotron Radiation, 2021, 28, 1492-1503.	2.4	1