

Mark B H Breese

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8082102/publications.pdf>

Version: 2024-02-01

173
papers

4,259
citations

126708

33
h-index

133063

59
g-index

180
all docs

180
docs citations

180
times ranked

5399
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. <i>Nature Catalysis</i> , 2020, 3, 554-563.	16.1	284
2	ION BEAM LITHOGRAPHY AND NANOFABRICATION: A REVIEW. <i>International Journal of Nanoscience</i> , 2005, 04, 269-286.	0.4	249
3	Magnetism in MoS ₂ induced by proton irradiation. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	205
4	Spoof Plasmon Surfaces: A Novel Platform for THz Sensing. <i>Advanced Optical Materials</i> , 2013, 1, 543-548.	3.6	165
5	High-Efficiency Beam Extraction and Collimation Using Channeling in Very Short Bent Crystals. <i>Physical Review Letters</i> , 2001, 87, 094802.	2.9	129
6	XAFCA: a new XAFS beamline for catalysis research. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 839-843.	1.0	125
7	Focusing of MeV ion beams by means of tapered glass capillary optics. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003, 21, 1671-1674.	0.9	117
8	Tunable Mid-Infrared Phase-Change Metasurface. <i>Advanced Optical Materials</i> , 2018, 6, 1701346.	3.6	112
9	A review of ion beam induced charge microscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 264, 345-360.	0.6	94
10	Broadband Terahertz Sensing on Spoof Plasmon Surfaces. <i>ACS Photonics</i> , 2014, 1, 1059-1067.	3.2	92
11	Can Reconstructed Se-Deficient Line Defects in Monolayer VSe ₂ Induce Magnetism?. <i>Advanced Materials</i> , 2020, 32, e2000693.	11.1	87
12	Giant piezoelectricity in oxide thin films with nanopillar structure. <i>Science</i> , 2020, 369, 292-297.	6.0	86
13	A theory of ion beam induced charge collection. <i>Journal of Applied Physics</i> , 1993, 74, 3789-3799.	1.1	84
14	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2021, 33, e2103360.	11.1	84
15	Three-dimensional microfabrication in bulk silicon using high-energy protons. <i>Applied Physics Letters</i> , 2004, 84, 3202-3204.	1.5	79
16	Mechanisms of charge transfer and redistribution in LaAlO ₃ /SrTiO ₃ revealed by high-energy optical conductivity. <i>Nature Communications</i> , 2014, 5, 3663.	5.8	70
17	A wireless and battery-free wound infection sensor based on DNA hydrogel. <i>Science Advances</i> , 2021, 7, eabj1617.	4.7	68
18	Interface and Surface Cation Stoichiometry Modified by Oxygen Vacancies in Epitaxial Manganite Films. <i>Advanced Functional Materials</i> , 2012, 22, 4312-4321.	7.8	65

#	ARTICLE	IF	CITATIONS
19	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. Nature Communications, 2017, 8, 15070.	5.8	64
20	Microcircuit imaging using an ion-beam-induced charge. Journal of Applied Physics, 1992, 72, 2097-2104.	1.1	63
21	Hole transport through proton-irradiated p-type silicon wafers during electrochemical anodization. Physical Review B, 2006, 73, .	1.1	61
22	Mega-electron-volt proton irradiation on supported and suspended graphene: A Raman spectroscopic layer dependent study. Journal of Applied Physics, 2011, 110, .	1.1	56
23	Oxygen Passivation Mediated Tunability of Trion and Excitons in MoS_2 . Physical Review Letters, 2017, 119, 077402.	2.9	55
24	Tunable and low-loss correlated plasmons in Mott-like insulating oxides. Nature Communications, 2017, 8, 15271.	5.8	42
25	From Titanium Sesquioxide to Titanium Dioxide: Oxidation-Induced Structural, Phase, and Property Evolution. Chemistry of Materials, 2018, 30, 4383-4392.	3.2	42
26	Dual phases of crystalline and electronic structures in the nanocrystalline perovskite CsPbBr_3 . NPC Asia Materials, 2019, 11, .	3.8	41
27	Freestanding waveguides in silicon. Applied Physics Letters, 2007, 90, 241109.	1.5	40
28	Multicolor Photoluminescence from Porous Silicon Using Focused, High-Energy Helium Ions. Advanced Materials, 2006, 18, 51-55.	11.1	39
29	Fabrication of complex curved three-dimensional silicon microstructures using ion irradiation. Journal of Micromechanics and Microengineering, 2012, 22, 015015.	1.5	37
30	The Nuclear Microprobe. Annual Review of Nuclear and Particle Science, 1992, 42, 1-38.	3.5	36
31	Fabrication of low-loss silicon-on-oxidized-porous-silicon strip waveguide using focused proton-beam irradiation. Optics Letters, 2009, 34, 659.	1.7	36
32	Orthorhombic Ti_2O_3 : A Polymorph-Dependent Narrow-Bandgap Ferromagnetic Oxide. Advanced Functional Materials, 2018, 28, 1705657.	7.8	36
33	Imaging of charge transport in polycrystalline diamond using ion-beam-induced charge microscopy. Applied Physics Letters, 2000, 77, 913-915.	1.5	34
34	Tuning the Interface Conductivity of $\text{LaAlO}_3/\text{SrTiO}_3$ Using Ion Beams: Implications for Patterning. ACS Nano, 2013, 7, 10572-10581.	7.3	34
35	Free-standing terahertz chiral meta-foils exhibiting strong optical activity and negative refractive index. Applied Physics Letters, 2013, 103, .	1.5	33
36	Controlled blueshift of the resonant wavelength in porous silicon microcavities using ion irradiation. Applied Physics Letters, 2006, 89, 021910.	1.5	32

#	ARTICLE	IF	CITATIONS
37	Cationic-vacancy-induced room-temperature ferromagnetism in transparent, conducting anatase $\text{Ti}^{1-\lambda} \times \text{Ta} \times \text{O}_2$ ($\lambda \approx 0.05$) thin films. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 4927-4943.	1.6	31
38	Fabrication of concave silicon micro-mirrors. Optics Express, 2010, 18, 14511.	1.7	29
39	Electronic defect states at the $\text{LaAlO}_3/\text{SrTiO}_3$ heterointerface revealed by O K-edge X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 13844-13851.	1.3	29
40	Controlled intensity emission from patterned porous silicon using focused proton beam irradiation. Applied Physics Letters, 2004, 85, 4370.	1.5	28
41	Silicon photonic waveguides for different wavelength regions. Semiconductor Science and Technology, 2008, 23, 064002.	1.0	28
42	Fabrication of large-area ultra-thin single crystal silicon membranes. Applied Physics Letters, 2011, 99, .	1.5	28
43	Investigation of the metal-insulator transition in NdNiO_3 films by site-selective X-ray absorption spectroscopy. Nanoscale, 2017, 9, 6094-6102.	2.8	28
44	Effects of oxide formation around core circumference of silicon-on-oxidized-porous-silicon strip waveguides. Optics Letters, 2009, 34, 3142.	1.7	27
45	Detection of microscopic particles present as contaminants in latent fingerprints by means of synchrotron radiation-based Fourier transform infra-red micro-imaging. Analyst, The, 2012, 137, 3459.	1.7	27
46	Layer Rotation-Angle-Dependent Excitonic Absorption in van der Waals Heterostructures Revealed by Electron Energy Loss Spectroscopy. ACS Nano, 2019, 13, 9541-9550.	7.3	25
47	Observation of planar oscillations of MeV protons in silicon using ion channeling patterns. Physical Review B, 1996, 53, 8267-8276.	1.1	24
48	Three-dimensional control of optical waveguide fabrication in silicon. Optics Express, 2008, 16, 573.	1.7	24
49	Three-dimensional silicon micromachining. Journal of Micromechanics and Microengineering, 2012, 22, 113001.	1.5	24
50	Dechanneling of MeV protons by 60° dislocations. Physical Review B, 1995, 51, 2742-2750.	1.1	23
51	Silicon photonic waveguides for mid- and long-wave infrared region. Journal of Materials Science: Materials in Electronics, 2009, 20, 159-163.	1.1	23
52	Origin of ringlike angular distributions observed in rainbow channeling in ultrathin crystals. Physical Review B, 2012, 86, .	1.1	23
53	Influence of the Narrow $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mo stretchy="false"} \rangle \{ \langle \text{mml:mo} \langle \text{mml:mn} \rangle 111 \langle \text{mml:mn} \rangle \langle \text{mml:mo stretchy="false"} \rangle \} \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ Planes on Axial and Planar Ion Channeling. Physical Review Letters, 2012, 108, 195502.	2.9	23
54	Fabrication of three dimensional porous silicon distributed Bragg reflectors. Applied Physics Letters, 2008, 93, 221905.	1.5	22

#	ARTICLE	IF	CITATIONS
55	Dislocation imaging using transmission ion channeling. Journal of Applied Physics, 1993, 73, 2640-2653.	1.1	21
56	A soft x-ray-ultraviolet (SUV) beamline and diffractometer for resonant elastic scattering and ultraviolet-vacuum ultraviolet reflectance at the Singapore synchrotron light source. Review of Scientific Instruments, 2018, 89, 113113.	0.6	21
57	Stacking-fault imaging using transmission ion channeling. Physical Review B, 1995, 51, 2732-2741.	1.1	20
58	Observation of a Blocking to Channeling Transition for MeV Protons at Stacking Faults in Silicon. Physical Review Letters, 1995, 74, 411-414.	2.9	20
59	Reversible ferromagnetism in rutile TiO ₂ single crystals induced by nickel impurities. Applied Physics Letters, 2012, 101, .	1.5	20
60	Unraveling how electronic and spin structures control macroscopic properties of manganite ultra-thin films. NPG Asia Materials, 2015, 7, e196-e196.	3.8	20
61	Optical conductivity renormalization of graphene on SrTiO_3 due to resonant excitonic effects mediated by Ti	1.1	20
62	Revealing Chemical Heterogeneity of CNT Fiber Nanocomposites via Nanoscale Chemical Imaging. Chemistry of Materials, 2018, 30, 1856-1864.	3.2	17
63	Large Enhancement of 2D Electron Gases Mobility Induced by Interfacial Localized Electron Screening Effect. Advanced Materials, 2018, 30, e1707428.	11.1	17
64	Dislocation imaging using ion beam induced charge. Applied Physics Letters, 1993, 62, 3309-3311.	1.5	16
65	Optimization of ion beam induced charge microscopy for the analysis of integrated circuits. Journal of Applied Physics, 1995, 77, 3734-3741.	1.1	16
66	Porous silicon Bragg reflectors with sub-micrometer lateral dimensions. Optics Express, 2007, 15, 5537.	1.7	16
67	Spectroscopic detection of exogenous materials in latent fingerprints treated with powders and lifted off with adhesive tapes. Analytical and Bioanalytical Chemistry, 2014, 406, 4173-4181.	1.9	16
68	Anomalous spectral-weight transfers unraveling oxygen screening and electronic correlations in the insulator-metal transition of VO_2	1.1	16
69	Atomic position of Fe in $\text{YBa}_2(\text{Cu}_{1-x}\text{Fe}_x)\text{O}_7$ using ion channeling. Physical Review B, 1991, 44, 6927-6931.	1.1	15
70	The pituitary gland under infrared light – in search of a representative spectrum for homogeneous regions. Analyst, The, 2015, 140, 2156-2163.	1.7	15
71	Advances in the investigation of the extraction of a proton beam from the U-70 accelerator with the aid of bent single crystals. JETP Letters, 2001, 74, 55-58.	0.4	14
72	On the Formation of 50-nm Diameter Free-Standing Silicon Wires Produced by Ion Irradiation. ECS Journal of Solid State Science and Technology, 2012, 1, P66-P69.	0.9	14

#	ARTICLE	IF	CITATIONS
73	Silicon and porous silicon mid-infrared photonic crystals. Applied Physics A: Materials Science and Processing, 2013, 112, 517-523.	1.1	14
74	Buried centimeter-long micro- and nanochannel arrays in porous silicon and glass. Lab on A Chip, 2014, 14, 2081-2089.	3.1	14
75	High quality ion-induced secondary electron imaging for MeV nuclear microprobe applications. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 560.	1.6	13
76	Observation of Many Coherent Oscillations for MeV Protons Transmitted through Stacking Faults. Physical Review Letters, 2004, 92, 045503.	2.9	13
77	Influence of target composition and deposition temperature on the domain structure of BiFeO ₃ thin films. AIP Advances, 2012, 2, .	0.6	13
78	Electronic Screening-Enhanced Hole Pairing in Two-Leg Spin Ladders Studied by High-Resolution Resonant Inelastic X-Ray Scattering at Cu $\langle\mathit{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle\mathit{mml:mrow}>\langle\mathit{mml:mi}>M\langle\mathit{mml:mi}>\langle\mathit{mml:mrow}>\langle\mathit{mml:math}>Edges$. Physical Review Letters, 2014, 113, 067001.	2.9	13
79	Coexistence of Midgap Antiferromagnetic and Mott States in Undoped, Hole- and Electron-Doped Ambipolar Cuprates. Physical Review Letters, 2016, 116, 197002.	2.9	13
80	High signal to noise level ion beam induced charge images. Applied Physics Letters, 1994, 64, 1962-1964.	1.5	12
81	A fast-converging iterative method for X-ray in-line phase contrast tomography. Applied Physics Letters, 2012, 101, .	1.5	12
82	Fabrication of silicon microstructures using a high-energy ion beam. , 2004, , .		11
83	Defect enhanced funneling of diffusion current in silicon. Applied Physics Letters, 2013, 102, .	1.5	11
84	Correlated plasmons in the topological insulator Bi ₂ Se ₃ induced by long-range electron correlations. NPG Asia Materials, 2020, 12, .	3.8	11
85	Study of the crystalline quality of exfoliated surfaces in hydrogen-implanted silicon. Applied Physics Letters, 2000, 77, 268-270.	1.5	10
86	Controlled Shift in Emission Wavelength from Patterned Porous Silicon Using Focused Ion Beam Irradiation. Journal of the Electrochemical Society, 2005, 152, D173.	1.3	10
87	Three-Dimensional Resonant Exciton in Monolayer Tungsten Diselenide Actuated by Spin-Orbit Coupling. ACS Nano, 2019, 13, 14529-14539.	7.3	10
88	Interfacial Oxygen-Driven Charge Localization and Plasmon Excitation in Unconventional Superconductors. Advanced Materials, 2020, 32, 2000153.	11.1	10
89	Characterization of strain in crystal bilayers using ion-channeling patterns. Physical Review B, 1996, 54, 9693-9702.	1.1	9
90	Equivalent Effects of a Lattice Translation and Rotation on Planar Channeled MeV Protons. Physical Review Letters, 1998, 81, 5157-5160.	2.9	9

#	ARTICLE	IF	CITATIONS
91	Nanoscale lithography of LaAlO ₃ /SrTiO ₃ wires using silicon stencil masks. Nanotechnology, 2014, 25, 445301.	1.3	9
92	Quantum Correlated Plasmons and Their Tunability in Undoped and Doped Mott-Insulator Cuprates. ACS Photonics, 2019, 6, 3281-3289.	3.2	9
93	Optical constants and absorption properties of Te and TeO thin films in the 13-14µm spectral range. Optics Express, 2020, 28, 12922.	1.7	9
94	Unravelling strong electronic interlayer and intralayer correlations in a transition metal dichalcogenide. Nature Communications, 2021, 12, 6980.	5.8	9
95	Nanoporous TiCN with High Specific Surface Area for Enhanced Hydrogen Evolution Reaction. ACS Applied Nano Materials, 2022, 5, 12077-12086.	2.4	9
96	Confirmation of proton beam bending in graded Si _{1-x} Ge _x /Si layers using ion channeling. Applied Physics Letters, 1999, 74, 227-229.	1.5	8
97	Enhanced Planar Channeling of MeV Protons through Thin Crystals. Physical Review Letters, 2004, 93, 105505.	2.9	8
98	Enhanced beam deflection in bent crystals using multiple volume reflection. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 395-400.	0.6	8
99	Ion beam irradiation induced fabrication of vertical coupling waveguides. Applied Physics Letters, 2013, 102, .	1.5	8
100	Reprogramming hMSCs morphology with silicon/porous silicon geometric micro-patterns. Biomedical Microdevices, 2014, 16, 229-236.	1.4	8
101	A scripting LabVIEW based program for experiment automation in synchrotron radiation applications. Review of Scientific Instruments, 2019, 90, .	0.6	8
102	Evidence from ion channeling images for the elastic relaxation of a Si _{0.85} Ge _{0.15} layer grown on a patterned Si substrate. Applied Physics Letters, 1995, 67, 3566-3568.	1.5	7
103	A study of buried channel formation in oxidized porous silicon. RSC Advances, 2014, 4, 57402-57411.	1.7	7
104	Fabrication of 3D photonic components on bulk crystalline silicon. Optics Express, 2015, 23, 121.	1.7	7
105	Experimental evidence of the superfocusing effect for axially channeled MeV protons. Physical Review B, 2016, 94, .	1.1	7
106	Unusual Hole and Electron Midgap States and Orbital Reconstructions Induced Huge Ferroelectric Tunneling Electroresistance in BaTiO ₃ /SrTiO ₃ . Nano Letters, 2020, 20, 1101-1109.	4.5	7
107	A New Spin-Correlated Plasmon in Novel Highly Oriented Single-Crystalline Gold Quantum Dots. Nano Letters, 2021, 21, 7448-7456.	4.5	7
108	The effect of parasitic sextupole fields on nuclear microprobe resolution. Nuclear Instruments & Methods in Physics Research B, 1991, 61, 343-347.	0.6	6

#	ARTICLE	IF	CITATIONS
109	Imaging of the strain field around precipitate particles using transmission ion channeling. Journal of Applied Physics, 1996, 80, 2671-2679.	1.1	6
110	A thousand-fold enhancement of photoluminescence in porous silicon using ion irradiation. Journal of Applied Physics, 2013, 114, 053517.	1.1	6
111	Functional multi-band THz meta-foils. Scientific Reports, 2013, 3, 3531.	1.6	6
112	Microporous Carbon Nitride (C ₃ N _{5.4}) with Tetrazine based Molecular Structure for Efficient Adsorption of CO ₂ and Water. Angewandte Chemie, 2021, 133, 21412-21419.	1.6	6
113	Manipulation of ion channeling patterns using magnetic quadrupole lenses. Applied Physics Letters, 1995, 67, 2132-2134.	1.5	5
114	The use of α -mixed He^+ beams in microprobe imaging. Review of Scientific Instruments, 1996, 67, 2940-2946.	0.6	5
115	Effects of focused MeV ion beam irradiation on the roughness of electrochemically micromachined silicon surfaces. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, 500-505.	0.6	5
116	An all-silicon, single-mode Bragg cladding rib waveguide. Optics Express, 2010, 18, 8816.	1.7	5
117	On the Dependence of the Surface Roughness of Electrochemically Anodized Silicon on Ion Irradiation Fluence. Electrochemical and Solid-State Letters, 2010, 13, H382.	2.2	5
118	Modification of Porous Silicon Formation by Varying the End of Range of Ion Irradiation. Electrochemical and Solid-State Letters, 2011, 14, D45.	2.2	5
119	From polarization-dependent to polarization-independent terahertz meta-foils. Applied Physics Letters, 2013, 103, 191114.	1.5	5
120	Theoretical investigation of α -nano-muffin and inverted nano-pyramid surface textures for energy harvesting in very thin c-Si solar cells. Materials Research Society Symposia Proceedings, 2014, 1638, 1.	0.1	5
121	Fabrication of silicon molds with multi-level, non-planar, micro- and nano-scale features. Nanotechnology, 2014, 25, 375301.	1.3	5
122	Conditioned bio-interfaces of silicon/porous silicon micro-patterns lead to the chondrogenesis of hMSCs. RSC Advances, 2015, 5, 92263-92269.	1.7	5
123	Influence of spectral resolution, spectral range and signal-to-noise ratio of Fourier transform infra-red spectra on identification of high explosive substances. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 106-112.	2.0	5
124	Modulation of Manganite Nanofilm Properties Mediated by Strong Influence of Strontium Titanate Excitons. ACS Applied Materials & Interfaces, 2018, 10, 35563-35570.	4.0	5
125	$B_i S_3$ as a high-performance photocatalyst for water splitting. Applied Physics Letters, 2019, 115, 041101.	1.1	5
126	Unravelling a new many-body large-hole polaron in a transition metal oxide that promotes high photocatalytic activity. NPG Asia Materials, 2022, 14, .	3.8	5

#	ARTICLE	IF	CITATIONS
145	Determination of size and distribution of second phases using nuclear microscopy. Journal of Materials Research, 1992, 7, 2373-2378.	1.2	1
146	Sensitivity of ion induced charge pulses to the electrical and crystallographic properties of 60Å° dislocations. Applied Physics Letters, 1994, 65, 3227-3229.	1.5	1
147	Patterning light emitting porous silicon using helium beam irradiation. , 2006, , .		1
148	Fabrication of patterned porous silicon using high-energy ion irradiation. Journal of Porous Materials, 2006, 13, 259-261.	1.3	1
149	The Nuclear Microprobe. Nuclear Physics News, 2009, 19, 33-37.	0.1	1
150	Electrically switchable computer-generated hologram using a liquid crystal cell with a proton beam patterned polymethylmethacrylate substrate. Applied Optics, 2009, 48, 3766.	2.1	1
151	Pulsed and high-speed FTIR spectroscopy. , 2012, , .		1
152	The Effect of Hydrogen Doping on the Electrochemical Etching of Ion-Irradiated n-Type Silicon. ECS Journal of Solid State Science and Technology, 2018, 7, N110-N113.	0.9	1
153	Ion Beam Based Patterning of Porous Silicon. , 2018, , 815-834.		1
154	Nanoscale dielectric grating polarizers tuned to 443â€¦eV for ultraviolet polarimetry. Optics Express, 2020, 28, 12936.	1.7	1
155	Transitionâ€Metal Dichalcogenides: Anisotropic Collective Charge Excitations in Quasimetallic 2D Transitionâ€Metal Dichalcogenides (Adv. Sci. 10/2020). Advanced Science, 2020, 7, .	5.6	1
156	Ion beam induced charge microscopy for the analysis of integrated circuits. Advanced Materials, 1995, 7, 873-875.	11.1	0
157	Future prospects for silicon photonics. Proceedings of SPIE, 2007, , .	0.8	0
158	An all-silicon channel waveguide fabricated using direct proton beam writing. Proceedings of SPIE, 2008, , .	0.8	0
159	Silicon waveguides for the mid-infrared wavelength region. Proceedings of SPIE, 2008, , .	0.8	0
160	Nanoscale Materials Defect Characterisation. Particle Acceleration and Detection, 2009, , 185-204.	0.3	0
161	Novel types of silicon waveguides fabricated using proton beam irradiation. Proceedings of SPIE, 2010, , .	0.8	0
162	Fabrication of porous silicon channel waveguides with multilayer Bragg cladding. Proceedings of SPIE, 2010, , .	0.8	0

#	ARTICLE	IF	CITATIONS
163	Electrochemical Anodization of Silicon-on-Insulator Wafers Using an AC. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, H271.	2.2	0
164	A silicon-based technology for the fabrication of smooth optical devices. , 2010, , .		0
165	Ion beam irradiation induced fabrication of vertical coupling photonic structures. , 2013, , .		0
166	Fabrication of silicon nanowires by ion beam irradiation. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1512, 1.	0.1	0
167	A review: mid-infrared photonic crystals in silicon and porous silicon based on ion beam irradiation. , 2014, , .		0
168	Performance Assessment and Beamline Diagnostics Based on Evaluation of Temporal Information from Infrared Spectral Datasets by Means of R Environment for Statistical Analysis. <i>Analytical Chemistry</i> , 2014, 86, 6918-6923.	3.2	0
169	An accurate optical design method for synchrotron radiation beamlines with wave-front aberration theory. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
170	Cuprate Thin Films: Interfacial Oxygen-Driven Charge Localization and Plasmon Excitation in Unconventional Superconductors (<i>Adv. Mater.</i> 34/2020). <i>Advanced Materials</i> , 2020, 32, 2070257.	11.1	0
171	Box 6: Nanoscale Defects. <i>Particle Acceleration and Detection</i> , 2009, , 205-210.	0.3	0
172	Ion Beam Based Patterning of Porous Silicon. , 2016, , 1-20.		0
173	Methodological approach for trace and essential elements assessment in prostate tissue by SRIXE method. <i>Folia Medica Cracoviensia</i> , 2018, 58, 25-41.	0.3	0