

A L David Kilcoyne

List of Publications by Year in descending order

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245
papers

12,316
citations

28736

57
h-index

34195

103
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254
all docs

254
docs citations

254
times ranked

13945
citing authors

#	ARTICLE	IF	CITATIONS
1	The Titan Haze Simulation (THS) experiment on COSMIC. Part III. XANES study of laboratory analogs of Titan tholins. <i>Icarus</i> , 2022, 376, 114841.	1.1	6
2	Nanomorphology of eco-friendly colloidal inks, relating non-fullerene acceptor surface energy to structure formation. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2218-2233.	3.2	15
3	Thorium amidates function as single-source molecular precursors for thorium dioxide. <i>Chemical Communications</i> , 2021, 57, 4954-4957.	2.2	2
4	Near L-edge Single and Multiple Photoionization of Doubly Charged Iron Ions. <i>Astrophysical Journal</i> , 2021, 908, 52.	1.6	17
5	Direct double ionization of the Ar+ M shell by a single photon. <i>Physical Review A</i> , 2021, 103, .	1.0	3
6	Simultaneous ambient pressure x-ray photoelectron spectroscopy and grazing incidence x-ray scattering in gas environments. <i>Review of Scientific Instruments</i> , 2021, 92, 044102.	0.6	16
7	Experimental studies on photoabsorption by endohedral fullerene ions with a focus on Xe@C ₆₀ confinement resonances. <i>Physica Scripta</i> , 2021, 96, 064004.	1.2	6
8	X-ray Microspectroscopy and Ptychography on Nanoscale Structures in Rock Varnish. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22684-22697.	1.5	1
9	Manipulating nanoscale structure to control functionality in printed organic photovoltaic, transistor and bioelectronic devices. <i>Nanotechnology</i> , 2020, 31, 092002.	1.3	22
10	Photoionization and photofragmentation of singly charged positive and negative Sc ₃ N@C ₈₀ endohedral fullerene ions. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 202027.	0.3	1
11	Photoionization of tungsten ions: experiment and theory for W ⁵⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 195005.	0.6	5
12	Unravelling donor-acceptor film morphology formation for environmentally-friendly OPV ink formulations. <i>Green Chemistry</i> , 2019, 21, 5090-5103.	4.6	31
13	Artifacts from manganese reduction in rock samples prepared by focused ion beam (FIB) slicing for X-ray microspectroscopy. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2019, 8, 97-111.	0.6	2
14	Single-photon photoionization of oxygen-like Ne III. <i>International Journal of Mass Spectrometry</i> , 2019, 443, 61-69.	0.7	3
15	Photoionization and photofragmentation of singly charged positive and negative endohedral fullerene ions. <i>Physical Review A</i> , 2019, 99, .	1.0	20
16	A coincidence velocity map imaging spectrometer for ions and high-energy electrons to study inner-shell photoionization of gas-phase molecules. <i>Review of Scientific Instruments</i> , 2019, 90, 055103.	0.6	14
17	Absolute single photoionization cross-sections of Br ³⁺ : experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 145002.	0.6	3
18	Fossil biomass preserved as graphitic carbon in a late Paleoproterozoic banded iron formation metamorphosed at more than 550°C. <i>Journal of the Geological Society</i> , 2019, 176, 651-668.	0.9	5

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19	Building intermixed donor-acceptor architectures for water-processable organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5705-5715.	1.3	27
20	Near L-edge Single and Multiple Photoionization of Triply Charged Iron Ions. <i>Astrophysical Journal</i> , 2019, 887, 189.	1.6	20
21	Heating experiments of the Tagish Lake meteorite: Investigation of the effects of short-term heating on chondritic organics. <i>Meteoritics and Planetary Science</i> , 2019, 54, 104-125.	0.7	15
22	STXM-XANES analyses of Murchison meteorite samples captured by aerogel after hypervelocity impacts: A potential implication of organic matter degradation for micrometeoroid collection experiments. <i>Geochemical Journal</i> , 2019, 53, 53-67.	0.5	9
23	Three-dimensional localization of nanoscale battery reactions using soft X-ray tomography. <i>Nature Communications</i> , 2018, 9, 921.	5.8	107
24	Near-K-edge single, double, and triple photoionization of carbon ions. <i>Physical Review A</i> , 2018, 97, .	1.0	20
25	Organic matter in extraterrestrial water-bearing salt crystals. <i>Science Advances</i> , 2018, 4, eaao3521.	4.7	64
26	Optimization, characterization and upscaling of aqueous solar nanoparticle inks for organic photovoltaics using low-cost donor:acceptor blend. <i>Organic Electronics</i> , 2018, 52, 71-78.	1.4	9
27	Sub-micron level investigation reveals the inaccessibility of stabilized carbon in soil microaggregates. <i>Scientific Reports</i> , 2018, 8, 16810.	1.6	18
28	Photoionization of metastable heliumlike carbon ions.		

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37	Nanometer-resolved Spectroscopic Study Reveals the Conversion Mechanism of $\text{CaO}\cdot\text{Al}_2\text{O}_3\cdot 10\text{H}_2\text{O}$ to $2\text{CaO}\cdot\text{Al}_2\text{O}_3\cdot 8\text{H}_2\text{O}$ and $3\text{CaO}\cdot\text{Al}_2\text{O}_3\cdot 6\text{H}_2\text{O}$ at an Elevated Temperature. <i>Crystal Growth and Design</i> , 2017, 17, 4246-4253.	1.4	44
38	Isomer-dependent fragmentation dynamics of inner-shell photoionized difluoroiodobenzene. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13419-13431.	1.3	19
39	Photoionization of tungsten ions: experiment and theory for W^{4+} . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 085007.	0.6	7
40	Black manganese-rich crusts on a Gothic cathedral. <i>Atmospheric Environment</i> , 2017, 171, 205-220.	1.9	21
41	Cross sections for photoionization of fullerene molecular ions C_n^+ with $n = 40, 50, 70, 76, 77$. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 085007.		9
42	Evidence for Reduced, Carbon-rich Regions in the Solar Nebula from an Unusual Cometary Dust Particle. <i>Astrophysical Journal</i> , 2017, 848, 113.	1.6	7
43	Single photoionization of the Zn^{II} ion in the photon energy range 17.5–90.0 eV: experiment and theory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4048-4060.	1.6	6
44	Physical origins of current and temperature controlled negative differential resistances in NbO_2 . <i>Nature Communications</i> , 2017, 8, 658.	5.8	133
45	Coupling between oxygen redox and cation migration explains unusual electrochemistry in lithium-rich layered oxides. <i>Nature Communications</i> , 2017, 8, 2091.	5.8	469
46	Formation of an ultracarbonaceous Antarctic micrometeorite through minimal aqueous alteration in a small porous icy body. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 214, 172-190.	1.6	41
47	Characterization of carbonaceous matter in xenolithic clasts from the Sharps (H3.4) meteorite: Constraints on the origin and thermal processing. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 74-101.	1.6	14
48	Spatially uniform resistance switching of low current, high endurance titanium–niobium-oxide memristors. <i>Nanoscale</i> , 2017, 9, 1793-1798.	2.8	25
49	Studying Molecular Structure and Dynamics via Coulomb Explosion Imaging with X-rays and Ultrafast Laser Pulses. <i>Journal of Physics: Conference Series</i> , 2017, 875, 032026.	0.3	0
50	Photoionization and photofragmentation of $\text{Sc}_{3}\text{N}_{80}^+$ at energies from the carbon K edge to the scandium L and nitrogen K edges. <i>Journal of Physics: Conference Series</i> , 2017, 875, 032033.	0.3	0
51	Photoionization of Ne^+ ions and Ne atoms near the K edge. <i>Journal of Physics: Conference Series</i> , 2017, 875, 022044.	0.3	0
52	Effects of Incorporating High-Volume Fly Ash into Tricalcium Silicate on the Degree of Silicate Polymerization and Aluminum Substitution for Silicon in Calcium Silicate Hydrate. <i>Materials</i> , 2017, 10, 131.	1.3	18
53	Ptychographic Imaging of Nano-Materials at the Advanced Light Source with the Nanosurveyor Instrument. <i>Journal of Physics: Conference Series</i> , 2017, 849, 012028.	0.3	15
54	Ca L _{2,3} -edge near edge X-ray absorption fine structure of tricalcium aluminate, gypsum, and calcium (sulfo)aluminate hydrates. <i>American Mineralogist</i> , 2017, 102, 900-908.	0.9	21

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55	Phase Changes of Monosulfoaluminate in NaCl Aqueous Solution. <i>Materials</i> , 2016, 9, 401.	1.3	37
56	In Situ Soft X-ray Spectromicroscopy of Early Tricalcium Silicate Hydration. <i>Materials</i> , 2016, 9, 976.	1.3	17
57	Identification of absolute geometries of cis and trans molecular isomers by Coulomb Explosion Imaging. <i>Scientific Reports</i> , 2016, 6, 38202.	1.6	32
58	Absolute single photoionization cross-section measurements of Rb ²⁺ ions: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 235002.	0.6	7
59	The phase transition in VO ₂ probed using x-ray, visible and infrared radiations. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	25
60	Nanoscale petrographic and geochemical insights on the origin of the Proterozoic stromatolitic phosphorites from Avalon Supergroup, India. <i>Geobiology</i> , 2016, 14, 3-32.	1.1	27
61	Conduction Channel Formation and Dissolution Due to Oxygen Thermophoresis/Diffusion in Hafnium Oxide Memristors. <i>ACS Nano</i> , 2016, 10, 11205-11210.	7.3	97
62	Photoionization and photofragmentation of the C ⁶⁺ ion. <i>Physical Review A</i> , 2016, 93, .	1.0	12
63	Direct Observation of Localized Radial Oxygen Migration in Functioning Tantalum Oxide Memristors. <i>Advanced Materials</i> , 2016, 28, 2772-2776.	11.1	92
64	Photoionisation of ions with synchrotron radiation: from ions in space to atoms in cages. <i>Contemporary Physics</i> , 2016, 57, 215-229.	0.8	51
65	Photoionization of tungsten ions: experiment and theory for W ²⁺ and W ³⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 065201.	0.6	14
66	Nano-pathways: Bridging the divide between water-processable nanoparticulate and bulk heterojunction organic photovoltaics. <i>Nano Energy</i> , 2016, 19, 495-510.	8.2	75
67	In-operando synchronous time-multiplexed O K-edge x-ray absorption spectromicroscopy of functioning tantalum oxide memristors. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	25
68	Effects of Particle Size, Electronic Connectivity, and Incoherent Nanoscale Domains on the Sequence of Lithiation in LiFePO ₄ Porous Electrodes. <i>Advanced Materials</i> , 2015, 27, 6591-6597.	11.1	72
69	Soft X-ray Ptychographic Imaging and Morphological Quantification of Calcium Silicate Hydrates (C-S-H). <i>Journal of the American Ceramic Society</i> , 2015, 98, 4090-4095.	1.9	38
70	Chemical composition, microstructure, and hygroscopic properties of aerosol particles at the Zotino Tall Tower Observatory (ZOTTO), Siberia, during a summer campaign. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8847-8869.	1.9	44
71	Stepwise contraction of the nf Rydberg shells in the 3d photoionization of multiply-charged xenon ions. <i>Journal of Physics: Conference Series</i> , 2015, 635, 092002.	0.3	0
72	Observation of four-electron Auger processes. <i>Journal of Physics: Conference Series</i> , 2015, 635, 012033.	0.3	2

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73	Observation of four-electron Auger processes. Journal of Physics: Conference Series, 2015, 635, 092101.	0.3	1
74	Soft X-ray Spectromicroscopic Investigation of Synthetic C ₃ S and C ₃ S Hydration Products. Journal of the American Ceramic Society, 2015, 98, 2914-2920.	1.9	19
75	Single-photon single ionization of W ⁺ ions: experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 235203.	0.6	19
76	Singlet-Oxygen Generation from Individual Semiconducting and Metallic Nanostructures during Near-Infrared Laser Trapping. ACS Photonics, 2015, 2, 559-564.	3.2	14
77	Probing the origin of photocurrent in nanoparticulate organic photovoltaics. Solar Energy Materials and Solar Cells, 2015, 140, 412-421.	3.0	35
78	Dependence on Crystal Size of the Nanoscale Chemical Phase Distribution and Fracture in Li _x FePO ₄ . Nano Letters, 2015, 15, 4282-4288.	4.5	99
79	Stepwise contraction of the <i>n</i> Rydberg shells in the 3d photoionization of multiply-charged xenon ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144003.	0.6	12
80	Absolute single-photoionization cross sections of Se^{17+} . Experiment and theory. Physical Review A, 2015, 92, .	0.0	17
81	Observation of a Four-Electron Auger Process in Near-Edge Photoionization of Singly Charged Carbon Ions. Physical Review Letters, 2015, 114, 013002.	2.9	63
82	Absolute measurements of chlorine Cl ⁺ cation single photoionization cross section. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 151, 217-223.	1.1	10
83	Vertical and lateral morphology effects on solar cell performance for a thiophene- <i>q</i> uinoxaline copolymer:PC ₇₀ BM blend. Journal of Materials Chemistry A, 2015, 3, 6970-6979.	5.2	46
84	Electron localization in a mixed-valence dinioabium benzene complex. Chemical Science, 2015, 6, 993-1003.	3.7	22
85	Atomic and nano-scale characterization of a 50-year-old hydrated C3S paste. Cement and Concrete Research, 2015, 77, 36-46.	4.6	42
86	Ordering in bio-inorganic hybrid nanomaterials probed by in situ scanning transmission X-ray microscopy. Nanoscale, 2015, 7, 9477-9486.	2.8	2
87	PCI effects and the gradual formation of Rydberg series due to photoelectron recapture, in the Auger satellite lines upon Xe 4d ⁹ 5/2 photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115003.	0.6	9
88	The effect of mesomorphology upon the performance of nanoparticulate organic photovoltaic devices. Solar Energy Materials and Solar Cells, 2015, 138, 102-108.	3.0	16
89	Microanalytical methods for in-situ high-resolution analysis of rock varnish at the micrometer to nanometer scale. Chemical Geology, 2015, 411, 57-68.	1.4	22
90	X-ray spectromicroscopic study of interactions between NaCl and calcium silicate hydrates. Magazine of Concrete Research, 2014, 66, 141-149.	0.9	20

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91	X-ray absorption near edge structure spectroscopic study of Hayabusa category 3 carbonaceous particles. <i>Earth, Planets and Space</i> , 2014, 66, .	0.9	58
92	Valence-shell single photoionization of chlorine-like K ions: experiment and theory. <i>Physical Review A</i> , 2014, 90, .	1.0	4
93	Elemental, isotopic, and structural changes in Tagish Lake insoluble organic matter produced by parent body processes. <i>Meteoritics and Planetary Science</i> , 2014, 49, 503-525.	0.7	75
94	Diamond xenolith and matrix organic matter in the Sutter's Mill meteorite measured by $XANES$. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2095-2103.	0.7	9
95	Multiscale characterization of chemical-mechanical interactions between polymer fibers and cementitious matrix. <i>Cement and Concrete Composites</i> , 2014, 48, 9-18.	4.6	23
96	Surfactant-free nanoparticulate organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2014, 121, 99-107.	3.0	50
97	Valence-shell photoionization of Ag-like Xe^{7+} ions: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 215202.	0.6	16
98	Chemical composition mapping with nanometre resolution by soft X-ray microscopy. <i>Nature Photonics</i> , 2014, 8, 765-769.	15.6	371
99	Current-induced transition from particle-by-particle to concurrent intercalation in phase-separating battery electrodes. <i>Nature Materials</i> , 2014, 13, 1149-1156.	13.3	274
100	Alteration of Biochar Carbon Chemistry during Soil Incubations: $SR\text{-FTIR}$ and $NEXAFS$ Investigation. <i>Soil Science Society of America Journal</i> , 2014, 78, 1632-1640.	1.2	29
101	Single and multiple photoionization of W^{q+} tungsten ions in charge states $q=1,2,\dots,5$: experiment and theory. <i>Journal of Physics: Conference Series</i> , 2014, 488, 022032.	0.3	8
102	Photoionization of Xe inside a C_{60} cage: a single-molecule electron interferometer. <i>Journal of Physics: Conference Series</i> , 2014, 488, 022033.	0.3	0
103	Coordinated Electron and X-ray Microscopy of Cometary Organic Matter Collected by the NASA Stardust Mission.. <i>Microscopy and Microanalysis</i> , 2014, 20, 1694-1695.	0.2	1
104	Determining the structural motif of P3HT:PCBM nanoparticulate organic photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2013, 110, 43-48.	3.0	73
105	The role of miscibility in polymer:fullerene nanoparticulate organic photovoltaic devices. <i>Nano Energy</i> , 2013, 2, 897-905.	8.2	82
106	Nano-domain behaviour in P3HT:PCBM nanoparticles, relating material properties to morphological changes. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 437-445.	3.0	60
107	Isotopic and chemical variation of organic nanoglobules in primitive meteorites. <i>Meteoritics and Planetary Science</i> , 2013, 48, 904-928.	0.7	78
108	Modelling transport in nanoparticle organic solar cells using Monte Carlo methods. <i>Applied Physics Letters</i> , 2013, 103, 193306.	1.5	10

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109	Diniobium Inverted Sandwich Complexes with C_6H_6 -Arene Ligands: Synthesis, Kinetics of Formation, and Electronic Structure. <i>Journal of the American Chemical Society</i> , 2013, 135, 3224-3236.	6.6	56
110	Cross-section measurements with interacting beams. , 2013, , .		3
111	Probing confinement resonances by photoionizing Xe inside a C ₆₀ molecular cage. <i>Physical Review A</i> , 2013, 88, .	1.0	69
112	EXPLORING THE POTENTIAL FORMATION OF ORGANIC SOLIDS IN CHONDRITES AND COMETS THROUGH POLYMERIZATION OF INTERSTELLAR FORMALDEHYDE. <i>Astrophysical Journal</i> , 2013, 771, 19.	1.6	91
113	Development of coherent scattering and diffractive imaging and the COSMIC facility at the Advanced Light Source. <i>Journal of Physics: Conference Series</i> , 2013, 425, 192011.	0.3	9
114	Spatially resolved NEXAFS spectroscopy of siderophores in biological matrices. <i>Journal of Physics: Conference Series</i> , 2013, 463, 012037.	0.3	2
115	Characterization of electroforming-free titanium dioxide memristors. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 467-473.	1.5	60
116	High-resolution photoionization of Xe ⁺ ions: Experiment and theory. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022038.	0.3	0
117	Absolute single photoionization cross-section measurements of Se ³⁺ and Se ⁵⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 115201.	0.6	12
118	Valence-shell single photoionization of Kr ⁺ ions: Experiment and theory. <i>Physical Review A</i> , 2012, 86, .	1.0	23
119	Confinement resonances in photoionization of endohedral Xe@C ₆₀ ⁺ . <i>Journal of Physics: Conference Series</i> , 2012, 388, 022003.	0.3	0
120	Upgrade of the beamline 10.0.1 at the advanced light source. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
121	Photoionization of singly and multiply charged tungsten ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 022037.	0.3	3
122	Biogenic Potassium Salt Particles as Seeds for Secondary Organic Aerosol in the Amazon. <i>Science</i> , 2012, 337, 1075-1078.	6.0	188
123	Minimizing damage during FIB sample preparation of soft materials. <i>Journal of Microscopy</i> , 2012, 245, 288-301.	0.8	144
124	A multilayered approach to polyfluorene water-based organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012, 102, 114-124.	3.0	65
125	Scanning transmission x-ray microscopy of polymer nanoparticles: probing morphology on sub-10 nm length scales. <i>Nanotechnology</i> , 2011, 22, 265710.	1.3	50
126	Focused ion beam patterned Fe thin films: A study by selective area Stokes polarimetry and soft x-ray microscopy. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	4

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127	Correlated microanalysis of cometary organic grains returned by Stardust. Meteoritics and Planetary Science, 2011, 46, 1376-1396.	0.7	53
128	Origin and Evolution of Prebiotic Organic Matter As Inferred from the Tagish Lake Meteorite. Science, 2011, 332, 1304-1307.	6.0	189
129	Advances in atomic data for neutron-capture elements. Proceedings of the International Astronomical Union, 2011, 7, 504-505.	0.0	0
130	Photoionization of tungsten ions with synchrotron radiation. Physica Scripta, 2011, T144, 014052.	1.2	16
131	XANES analysis of organic residues produced from the UV irradiation of astrophysical ice analogs. Advances in Space Research, 2011, 48, 1126-1135.	1.2	37
132	The use of functionalized nanoparticles as non- α -specific compatibilizers for polymer blends. Polymers for Advanced Technologies, 2011, 22, 65-71.	1.6	28
133	Experimental photoionization cross-section measurements in the ground and metastable state threshold region of Se ⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 025701.	0.6	19
134	Production of excited atomic hydrogen and deuterium from H ₂ , HD and D ₂ photodissociation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 045201.	0.6	10
135	New atomic data for trans-iron elements and their application to abundance determinations in planetary nebulae ¹ This review is part of a Special Issue on the 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas.. Canadian Journal of Physics, 2011, 89, 379-385.	0.4	9
136	Absolute high-resolution Se ⁺ photoionization cross-section measurements with Rydberg-series analysis. Physical Review A, 2011, 84, .	1.0	32
137	Photoionization cross-section measurements of Fe ⁺ . Physical Review A, 2011, 84, .	1.0	12
138	Synthesis and characterization of a nanocrystalline diamond aerogel. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8550-8553.	3.3	52
139	Establishing a molecular relationship between chondritic and cometary organic solids. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19171-19176.	3.3	181
140	Molecular signature of chitin-protein complex in Paleozoic arthropods. Geology, 2011, 39, 255-258.	2.0	79
141	A new Scanning Transmission X-ray Microscope at the ALS for operation up to 2500eV. , 2010, , .		10
142	Microscopic characterization of carbonaceous aerosol particle aging in the outflow from Mexico City. Atmospheric Chemistry and Physics, 2010, 10, 961-976.	1.9	85
143	Direct Identification of the Conducting Channels in a Functioning Memristive Device. Advanced Materials, 2010, 22, 3573-3577.	11.1	307
144	Publisher's Note: Confinement Resonances in Photoionization of Xe@C60+ [Phys. Rev. Lett.105, 213001 (2010)]. Physical Review Letters, 2010, 105, .	2.9	7

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163	Towards Low-Damage TEM Sample Preparation of Carbonaceous Materials in the Focused Ion Beam. Microscopy and Microanalysis, 2009, 15, 342-343.	0.2	0
164	Improved Neutron-Capture Element Abundances in Planetary Nebulae. Publications of the Astronomical Society of Australia, 2009, 26, 339-344.	1.3	19
165	Photoionization of ions of the cerium isonuclear sequence in the photon energy range of 4d electron excitations. Journal of Physics: Conference Series, 2009, 194, 022089.	0.3	1
166	TiO ₂ nanoparticles as a soft X-ray molecular probe. Chemical Communications, 2008, , 2471.	2.2	35
167	Organic thermometry for chondritic parent bodies. Earth and Planetary Science Letters, 2008, 272, 446-455.	1.8	204
168	Quantitative organic and light element analysis of comet 81P/Wild 2 particles using C _K , N _K , and O _K XANES. Meteoritics and Planetary Science, 2008, 43, 353-365.	0.7	137
169	Photofragmentation of <i>closoclo</i> -Carboranes Part 1: Energetics of Decomposition. Journal of Physical Chemistry A, 2008, 112, 3311-3318.	1.1	8
170	PolLux: A new facility for soft x-ray spectromicroscopy at the Swiss Light Source. Review of Scientific Instruments, 2008, 79, 113704.	0.6	222
171	Significant redistribution of C in d Oscillator Strength Observed in Photoionization of Endohedral $Ce@C_{82}$ Ions. Physical Review Letters, 2008, 101, 133001.	2.9	66
172	Unraveling the chemical history of the Solar System as recorded in extraterrestrial organic matter. Proceedings of the International Astronomical Union, 2008, 4, 277-284.	0.0	5
173	Structural, chemical and isotopic examinations of interstellar organic matter extracted from meteorites and interstellar dust particles. Proceedings of the International Astronomical Union, 2008, 4, 333-334.	0.0	0
174	PHOTOIONIZATION AND FRAGMENTATION OF FULLERENE IONS. , 2008, , 177-186.		3
175	Photoionization and electron-impact ionization of Ar ⁵⁺ . Physical Review A, 2007, 75, .	1.0	6
176	Scully et al. Reply. Physical Review Letters, 2007, 98, .	2.9	24
177	Fine-structure resolved photoionization of metastable Be-like ions C III, N IV, and O V. Journal of Physics: Conference Series, 2007, 58, 383-386.	0.3	11
178	Photoionization of the endohedral fullerene ions $Sc_3N@C_{80}$ and $Ce@C_{82}$ by synchrotron radiation. Journal of Physics: Conference Series, 2007, 88, 012038.	0.3	37
179	A velocity map imaging spectrometer for electron-ion and ion-ion coincidence experiments with synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 170-174.	0.6	41
180	Velocity map ion imaging applied to studies of molecular fragmentation with synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 2007, 155, 155-159.	0.8	22

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181	Classification of multiple types of organic carbon composition in atmospheric particles by scanning transmission X-ray microscopy analysis. <i>Atmospheric Environment</i> , 2007, 41, 9435-9451.	1.9	78
182	Comet 81P/Wild 2 Under a Microscope. <i>Science</i> , 2006, 314, 1711-1716.	6.0	848
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