

Tsun-Kong Sham

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8104491/publications.pdf>

Version: 2024-02-01

248
papers

15,631
citations

15466

65
h-index

19690

117
g-index

256
all docs

256
docs citations

256
times ranked

17024
citing authors

#	ARTICLE	IF	CITATIONS
1	Platinum single-atom and cluster catalysis of the hydrogen evolution reaction. Nature Communications, 2016, 7, 13638.	5.8	1,521
2	Dopant-induced electron localization drives CO ₂ reduction to C ₂ hydrocarbons. Nature Chemistry, 2018, 10, 974-980.	6.6	781
3	Single-atom Catalysis Using Pt/Graphene Achieved through Atomic Layer Deposition. Scientific Reports, 2013, 3, .	1.6	719
4	Atomic layer deposited Pt-Ru dual-metal dimers and identifying their active sites for hydrogen evolution reaction. Nature Communications, 2019, 10, 4936.	5.8	371
5	Air-stable Li ₃ InCl ₆ electrolyte with high voltage compatibility for all-solid-state batteries. Energy and Environmental Science, 2019, 12, 2665-2671.	15.6	345
6	Layer by layer assembly of sandwiched graphene/SnO ₂ nanorod/carbon nanostructures with ultrahigh lithium ion storage properties. Energy and Environmental Science, 2013, 6, 2900.	15.6	335
7	Boosting CO ₂ Electroreduction to CH ₄ via Tuning Neighboring Single-Copper Sites. ACS Energy Letters, 2020, 5, 1044-1053.	8.8	326
8	Promoting the Transformation of Li ₂ S ₂ to Li ₂ S: Significantly Increasing Utilization of Active Materials for High-Sulfur Loading Li-S Batteries. Advanced Materials, 2019, 31, e1901220.	11.1	303
9	Water-Mediated Synthesis of a Superionic Halide Solid Electrolyte. Angewandte Chemie - International Edition, 2019, 58, 16427-16432.	7.2	232
10	Nitrogen Doping Effects on Carbon Nanotubes and the Origin of the Enhanced Electrocatalytic Activity of Supported Pt for Proton-Exchange Membrane Fuel Cells. Journal of Physical Chemistry C, 2011, 115, 3769-3776.	1.5	228
11	Stabilizing the Interface of NASICON Solid Electrolyte against Li Metal with Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2018, 10, 31240-31248.	4.0	207
12	A Novel Organic Polyurea Thin Film for Ultralong-Life Lithium Metal Anodes via Molecular Layer Deposition. Advanced Materials, 2019, 31, e1806541.	11.1	204
13	LiFePO ₄ graphene as a superior cathode material for rechargeable lithium batteries: impact of stacked graphene and unfolded graphene. Energy and Environmental Science, 2013, 6, 1521.	15.6	199
14	Origin of luminescence from porous silicon deduced by synchrotron-light-induced optical luminescence. Nature, 1993, 363, 331-334.	13.7	193
15	Cobalt-Doped SnS ₂ with Dual Active Centers of Synergistic Absorption-Catalysis Effect for High-S Loading Li-S Batteries. Advanced Functional Materials, 2019, 29, 1806724.	7.8	186
16	A high-energy sulfur cathode in carbonate electrolyte by eliminating polysulfides via solid-phase lithium-sulfur transformation. Nature Communications, 2018, 9, 4509.	5.8	175
17	Tuning the electronic behavior of Au nanoparticles with capping molecules. Applied Physics Letters, 2002, 81, 736-738.	1.5	165
18	Double sulfur vacancies by lithium tuning enhance CO ₂ electroreduction to n-propanol. Nature Communications, 2021, 12, 1580.	5.8	162

#	ARTICLE	IF	CITATIONS
19	Rational Design of Atomic Layer Deposited LiFePO_4 as a High-Performance Cathode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2014, 26, 6472-6477.	11.1	161
20	Safe and Durable High-Temperature Lithium-Sulfur Batteries via Molecular Layer Deposited Coating. <i>Nano Letters</i> , 2016, 16, 3545-3549.	4.5	157
21	Unravelling the Chemistry and Microstructure Evolution of a Cathodic Interface in Sulfide-Based All-Solid-State Li-Ion Batteries. <i>ACS Energy Letters</i> , 2019, 4, 2480-2488.	8.8	154
22	Copper adparticle enabled selective electrosynthesis of n-propanol. <i>Nature Communications</i> , 2018, 9, 4614.	5.8	153
23	On rechargeability and reaction kinetics of sodium-air batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3747-3757.	15.6	150
24	L-edge x-ray-absorption systematics of the noble metals Rh, Pd, and Ag and the main-group metals In and Sn: A study of the unoccupied density of states in 4delements. <i>Physical Review B</i> , 1985, 31, 1888-1902.	1.1	144
25	Defect-Rich Crystalline SnO_2 Immobilized on Graphene Nanosheets with Enhanced Cycle Performance for Li Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22149-22156.	1.5	138
26	Charge redistribution and electronic behavior in a series of Au-Cu alloys. <i>Physical Review B</i> , 1994, 49, 1647-1661.	1.1	137
27	Discharge product morphology and increased charge performance of lithium-oxygen batteries with graphene nanosheet electrodes: the effect of sulphur doping. <i>Journal of Materials Chemistry</i> , 2012, 22, 20170.	6.7	136
28	An Air-Stable and Dendrite-Free Li Anode for Highly Stable All-Solid-State Sulfide-Based Li Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902125.	10.2	133
29	Synthesis and Synchrotron Light-Induced Luminescence of ZnO Nanostructures: Nanowires, Nanoneedles, Nanoflowers, and Tubular Whiskers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3120-3125.	1.2	130
30	Enhanced Performance of $\text{P}_2\text{Na}_{0.66}(\text{Mn}_{0.54}\text{Co}_{0.13}\text{Ni}_{0.13})\text{O}_2$ Cathode for Sodium-Ion Batteries by Ultrathin Metal Oxide Coatings via Atomic Layer Deposition. <i>Advanced Functional Materials</i> , 2017, 27, 1701870.	7.8	128
31	Toward High Areal Energy and Power Density Electrode for Li-Ion Batteries via Optimized 3D Printing Approach. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39794-39801.	4.0	126
32	Atomic Layer Deposition of Lithium Tantalate Solid-State Electrolytes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20260-20267.	1.5	123
33	Atomic scale enhancement of metal-support interactions between Pt and ZrC for highly stable electrocatalysts. <i>Energy and Environmental Science</i> , 2015, 8, 1450-1455.	15.6	120
34	Tuning OH binding energy enables selective electrochemical oxidation of ethylene to ethylene glycol. <i>Nature Catalysis</i> , 2020, 3, 14-22.	16.1	120
35	Nanoscale Manipulation of Spinel Lithium Nickel Manganese Oxide Surface by Multisite Ti Occupation as High-Performance Cathode. <i>Advanced Materials</i> , 2017, 29, 1703764.	11.1	119
36	Selective CO-to-acetate electroreduction via intermediate adsorption tuning on ordered Cu-Pd sites. <i>Nature Catalysis</i> , 2022, 5, 251-258.	16.1	118

#	ARTICLE	IF	CITATIONS
37	Electron-Deficient Cu Sites on Cu ₃ Ag Catalyst Promoting CO ₂ Electroreduction to Alcohols. <i>Advanced Energy Materials</i> , 2020, 10, 2001987.	10.2	117
38	Soft X-ray XANES studies of various phases related to LiFePO ₄ based cathode materials. <i>Energy and Environmental Science</i> , 2012, 5, 7007.	15.6	116
39	Hierarchical nanostructured core-shell Sn@C nanoparticles embedded in graphene nanosheets: spectroscopic view and their application in lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3535.	1.3	113
40	Engineering the Low Coordinated Pt Single Atom to Achieve the Superior Electrocatalytic Performance toward Oxygen Reduction. <i>Small</i> , 2020, 16, e2003096.	5.2	110
41	Time-resolved x-ray excited optical luminescence from SnO ₂ nanoribbons: Direct evidence for the origin of the blue luminescence and the role of surface states. <i>Applied Physics Letters</i> , 2006, 89, 213109.	1.5	105
42	Charge redistribution in Au-Ag alloys from a local perspective. <i>Physical Review B</i> , 1992, 45, 8924-8928.	1.1	102
43	Interaction between Pt nanoparticles and carbon nanotubes – An X-ray absorption near edge structures (XANES) study. <i>Chemical Physics Letters</i> , 2007, 437, 229-232.	1.2	98
44	Electronic structure and optical properties of silicon nanowires: a study using x-ray excited optical luminescence and x-ray emission spectroscopy. <i>Physical Review B</i> , 2004, 70, .	1.1	96
45	Origin of Superionic Li ₃ YLaXInCl ₆ Halide Solid Electrolytes with High Humidity Tolerance. <i>Nano Letters</i> , 2020, 20, 4384-4392.	4.5	94
46	Surface aging at olivine LiFePO ₄ : a direct visual observation of iron dissolution and the protection role of nano-carbon coating. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1579-1586.	5.2	93
47	Water-Mediated Synthesis of a Superionic Halide Solid Electrolyte. <i>Angewandte Chemie</i> , 2019, 131, 16579-16584.	1.6	92
48	Unveiling the Nature of Pt Single-Atom Catalyst during Electrocatalytic Hydrogen Evolution and Oxygen Reduction Reactions. <i>Small</i> , 2021, 17, e2007245.	5.2	91
49	Manipulating Interfacial Nanostructure to Achieve High-Performance All-Solid-State Lithium-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1900261.	4.6	90
50	Zero-Thermal Quenching of Mn ²⁺ Red Luminescence via Efficient Energy Transfer from Eu ²⁺ in BaMgP ₂ O ₇ . <i>Advanced Optical Materials</i> , 2019, 7, 1901187.	3.6	89
51	Three-Dimensional Nanostructured Air Electrode for Sodium-Oxygen Batteries: A Mechanism Study toward the Cyclability of the Cell. <i>Chemistry of Materials</i> , 2015, 27, 3040-3047.	3.2	86
52	Atomic Layer Deposition of Lithium Niobium Oxides as Potential Solid-State Electrolytes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1654-1661.	4.0	85
53	An Air-Stable and Li-Metal-Compatible Glass-Ceramic Electrolyte enabling High-Performance All-Solid-State Li Metal Batteries. <i>Advanced Materials</i> , 2021, 33, e2006577.	11.1	82
54	X-ray Excited Optical Luminescence Studies of ZnO and Eu-Doped ZnO Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10194-10200.	1.5	81

#	ARTICLE	IF	CITATIONS
55	A general strategy for preparing pyrrolic-N4 type single-atom catalysts via pre-located isolated atoms. <i>Nature Communications</i> , 2021, 12, 6806.	5.8	81
56	Atomic layer deposited coatings to significantly stabilize anodes for Li ion batteries: effects of coating thickness and the size of anode particles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2306.	5.2	78
57	Commissioning and performance of the variable line spacing plane grating monochromator beamline at the Canadian Light Source. <i>Review of Scientific Instruments</i> , 2007, 78, 083109.	0.6	75
58	Tailoring interactions of carbon and sulfur in Li-S battery cathodes: significant effects of carbon-heteroatom bonds. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12866.	5.2	75
59	Fe_2O_3 @CNTs Anode Materials for Lithium Ion Batteries Investigated by Electron Energy Loss Spectroscopy. <i>Chemistry of Materials</i> , 2017, 29, 3499-3506.	3.2	73
60	Enhanced multi-carbon alcohol electroproduction from CO via modulated hydrogen adsorption. <i>Nature Communications</i> , 2020, 11, 3685.	5.8	72
61	Observation of Single Tin Dioxide Nanoribbons by Confocal Raman Microspectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18839-18843.	1.5	71
62	Unraveling the Origin of Moisture Stability of Halide Solid-State Electrolytes by <i>In Situ</i> and <i>Operando</i> Synchrotron X-ray Analytical Techniques. <i>Chemistry of Materials</i> , 2020, 32, 7019-7027.	3.2	69
63	Commissioning of the Spherical Grating Monochromator Soft X-ray Spectroscopy Beamline at the Canadian Light Source. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	68
64	Electronic structure of TiO ₂ nanotube arrays from X-ray absorption near edge structure studies. <i>Journal of Materials Chemistry</i> , 2009, 19, 6804.	6.7	68
65	Preliminary Commissioning and Performance of the Soft X-ray Micro-characterization Beamline at the Canadian Light Source. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	66
66	Electron Localization and Lattice Strain Induced by Surface Lithium Doping Enable Ampere-Level Electrosynthesis of Formate from CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25741-25745.	7.2	66
67	Nano-scale chemical imaging of a single sheet of reduced graphene oxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 14622.	6.7	64
68	Advanced High-Voltage All-Solid-State Li-Ion Batteries Enabled by a Dual-Halogen Solid Electrolyte. <i>Advanced Energy Materials</i> , 2021, 11, 2100836.	10.2	64
69	Electronic Structure of Graphdiyne Probed by X-ray Absorption Spectroscopy and Scanning Transmission X-ray Microscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5931-5936.	1.5	62
70	Synchrotron-Based X-ray Absorption Fine Structures, X-ray Diffraction, and X-ray Microscopy Techniques Applied in the Study of Lithium Secondary Batteries. <i>Small Methods</i> , 2018, 2, 1700341.	4.6	62
71	3D Vertically Aligned Li Metal Anodes with Ultrahigh Cycling Currents and Capacities of 10 mA cm ² /20 mAh cm ² Realized by Selective Nucleation within Microchannel Walls. <i>Advanced Energy Materials</i> , 2020, 10, 1903753.	10.2	62
72	Atomic Layer Deposited Lithium Silicates as Solid-State Electrolytes for All-Solid-State Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31786-31793.	4.0	58

#	ARTICLE	IF	CITATIONS
73	Bismuth Oxyhydroxide-Pt Inverse Interface for Enhanced Methanol Electrooxidation Performance. Nano Letters, 2020, 20, 7751-7759.	4.5	58
74	Origin of luminescence from Ga ₂ O ₃ nanostructures studied using x-ray absorption and luminescence spectroscopy. Physical Review B, 2007, 75, .	1.1	57
75	Immobilization of RuO ₂ on Carbon Nanotube: An X-ray Absorption Near-Edge Structure Study. Journal of Physical Chemistry C, 2009, 113, 10747-10750.	1.5	56
76	Size Effect of Au Nanoparticles on TiO ₂ Crystalline Phase of Nanocomposite Thin Films and Their Photocatalytic Properties. Journal of Physical Chemistry C, 2011, 115, 6554-6560.	1.5	55
77	A bifunctional solid state catalyst with enhanced cycling stability for Na and Li-O ₂ cells: revealing the role of solid state catalysts. Energy and Environmental Science, 2017, 10, 286-295.	15.6	55
78	Ultra-Bright and Stable Pure Blue Light-Emitting Diode from O, N Co-Doped Carbon Dots. Laser and Photonics Reviews, 2021, 15, 2000412.	4.4	54
79	TiSi ₂ O _x Coated N-Doped Carbon Nanotubes as Pt Catalyst Support for the Oxygen Reduction Reaction in PEMFCs. Journal of Physical Chemistry C, 2013, 117, 15457-15467.	1.5	53
80	Intrinsic Enzyme-like Activities of Cerium Oxide Nanocomposite and Its Application for Extracellular H ₂ O ₂ Detection Using an Electrochemical Microfluidic Device. ACS Omega, 2020, 5, 11883-11894.	1.6	53
81	Gradiently Sodiated Alucone as an Interfacial Stabilizing Strategy for Solid-State Na Metal Batteries. Advanced Functional Materials, 2020, 30, 2001118.	7.8	53
82	Time-Resolved Synchrotron Radiation Excited Optical Luminescence: Light Emission Properties of Silicon-Based Nanostructures. ChemPhysChem, 2007, 8, 2557-2567.	1.0	52
83	Nitrogen-Functionalized Graphene Nanoflakes (GNFs:N): Tunable Photoluminescence and Electronic Structures. Journal of Physical Chemistry C, 2012, 116, 16251-16258.	1.5	51
84	High Tap Density Co and Ni Containing P ₂ Na _{0.66} MnO ₂ Buckyballs: A Promising High Voltage Cathode for Stable Sodium-Ion Batteries. Advanced Functional Materials, 2018, 28, 1801898.	7.8	50
85	Electronic structure and luminescence center of blue luminescent carbon nanocrystals. Chemical Physics Letters, 2009, 474, 320-324.	1.2	49
86	Origin of High Ionic Conductivity of S _c -Doped Sodium-Rich NASICON Solid-State Electrolytes. Advanced Functional Materials, 2021, 31, 2102129.	7.8	49
87	Observation of lithiation-induced structural variations in TiO ₂ nanotube arrays by X-ray absorption fine structure. Journal of Materials Chemistry A, 2015, 3, 412-419.	5.2	48
88	Regulated lithium plating and stripping by a nano-scale gradient inorganic-organic coating for stable lithium metal anodes. Energy and Environmental Science, 2021, 14, 4085-4094.	15.6	48
89	M _{3,2} -edge x-ray absorption near-edge structure spectroscopy: An alternative probe to the L _{3,2} -edge near-edge structure for the unoccupied densities of d states of 5d metals. Journal of Applied Physics, 1996, 79, 7134-7138.	1.1	47
90	Enabling ultrafast ionic conductivity in Br-based lithium argyrodite electrolytes for solid-state batteries with different anodes. Energy Storage Materials, 2020, 30, 238-249.	9.5	46

#	ARTICLE	IF	CITATIONS
91	Size-Mediated Recurring Spinel Subnanodomains in Li- and Mn-Rich Layered Cathode Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14313-14320.	7.2	46
92	Effects of in situ vacuum annealing on the surface and luminescent properties of ZnS nanowires. <i>Applied Physics Letters</i> , 2005, 86, 263115.	1.5	45
93	Utilizing the full capacity of carbon black as anode for Na-ion batteries via solvent co-intercalation. <i>Nano Research</i> , 2017, 10, 4378-4387.	5.8	45
94	Chemical-Free Electricity Carbon: Water Device. <i>Advanced Materials</i> , 2018, 30, e1707635.	11.1	45
95	Construction of Single-Atom Platinum Catalysts Enabled by CsPbBr ₃ Nanocrystals. <i>ACS Nano</i> , 2021, 15, 13129-13139.	7.3	44
96	Microstructure and field-emission characteristics of boron-doped Si nanoparticle chains. <i>Applied Physics Letters</i> , 2001, 79, 1673-1675.	1.5	42
97	Electronic behaviour of Au-Pt alloys and the 4f binding energy shift anomaly in Au bimetallics- X-ray spectroscopy studies. <i>AIP Advances</i> , 2018, 8, .	0.6	41
98	A 3D-printed ultra-high Se loading cathode for high energy density quasi-solid-state Li-Se batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 278-286.	5.2	41
99	CuO nanorods as a laccase mimicking enzyme for highly sensitive colorimetric and electrochemical dual biosensor: Application in living cell epinephrine analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111228.	2.5	41
100	New Insights into the High-Performance Black Phosphorus Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101259.	11.1	41
101	Resonant inelastic x-ray scattering at the CeL3 edge of CePO ₄ and CeO ₂ : Implications for the valence of CeO ₂ and related phenomena. <i>Physical Review B</i> , 2005, 72, .	1.1	40
102	Calcination-Induced Phase Transformation and Accompanying Optical Luminescence of TiO ₂ Nanotubes: An X-ray Absorption Near-Edge Structures and X-ray Excited Optical Luminescence Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21353-21359.	1.5	39
103	Surface reactivity of Si nanowires. <i>Journal of Applied Physics</i> , 2001, 89, 6396-6399.	1.1	38
104	Nanoscale stabilization of Li-sulfur batteries by atomic layer deposited Al ₂ O ₃ . <i>RSC Advances</i> , 2014, 4, 27126.	1.7	38
105	Observation of Surface/Defect States of SnO ₂ Nanowires on Different Substrates from X-ray Excited Optical Luminescence. <i>Crystal Growth and Design</i> , 2012, 12, 397-402.	1.4	37
106	Hierarchical Co(OH) ₂ /FeOOH/WO ₃ ternary nanoflowers as a dual-function enzyme with pH-switchable peroxidase and catalase mimic activities for cancer cell detection and enhanced photodynamic therapy. <i>Chemical Engineering Journal</i> , 2021, 417, 129134.	6.6	37
107	Tailoring the Mechanical and Electrochemical Properties of an Artificial Interphase for High-Performance Metallic Lithium Anode. <i>Advanced Energy Materials</i> , 2020, 10, 2001139.	10.2	36
108	The Origin and Dynamics of Soft X-ray-Excited Optical Luminescence of ZnO. <i>ChemPhysChem</i> , 2010, 11, 3625-3631.	1.0	34

#	ARTICLE	IF	CITATIONS
109	Structural variation and water adsorption of a SnO ₂ coated carbon nanotube: a nanoscale chemical imaging study. <i>Journal of Materials Chemistry</i> , 2011, 21, 5944.	6.7	34
110	Atomic Layer Deposited Non-Noble Metal Oxide Catalyst for Sodium-Air Batteries: Tuning the Morphologies and Compositions of Discharge Product. <i>Advanced Functional Materials</i> , 2017, 27, 1606662.	7.8	34
111	Tracking the Interface of an Individual ZnS/ZnO Nano-Heterostructure. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10375-10381.	1.5	33
112	Nanostructured CdS prepared on porous silicon substrate: Structure, electronic, and optical properties. <i>Journal of Applied Physics</i> , 2002, 91, 6038-6043.	1.1	32
113	Optical emission of biaxial ZnO-ZnS nanoribbon heterostructures. <i>Journal of Chemical Physics</i> , 2009, 130, 084707.	1.2	32
114	Electronic Structures and Optical Properties of 6H- and 3C-SiC Microstructures and Nanostructures from X-ray Absorption Fine Structures, X-ray Excited Optical Luminescence, and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6966-6975.	1.5	32
115	Atomically precise growth of sodium titanates as anode materials for high-rate and ultralong cycle-life sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24281-24288.	5.2	32
116	Selective atomic layer deposition of RuO _x catalysts on shape-controlled Pd nanocrystals with significantly enhanced hydrogen evolution activity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24397-24406.	5.2	31
117	Understanding the Critical Role of Binders in Phosphorus/Carbon Anode for Sodium-Ion Batteries through Unexpected Mechanism. <i>Advanced Functional Materials</i> , 2020, 30, 2000060.	7.8	29
118	Elucidating the Many-Body Effect and Anomalous Pt and Ni Core Level Shifts in X-ray Photoelectron Spectroscopy of Pt-Ni Alloys. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2313-2318.	1.5	29
119	Influence of sample oxidation on the nature of optical luminescence from porous silicon. <i>Applied Physics Letters</i> , 2000, 77, 498-500.	1.5	28
120	Biaxial ZnO-ZnS Nanoribbon Heterostructures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4755-4757.	1.5	28
121	Electronic structure of Au-Ti intermetallics. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1993, 11, 2153-2157.	0.9	27
122	Calcium silicate-based drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 215-228.	2.4	27
123	Insight into Ion Diffusion Dynamics/Mechanisms and Electronic Structure of Highly Conductive Sodium-Rich Na _{3+x} La _x Zr ₂ Si ₂ PO ₁₂ (0 ≤ x ≤ 0.5) Solid-State Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13132-13138.	4.0	27
124	Atomic layer deposited aluminium phosphate thin films on N-doped CNTs. <i>RSC Advances</i> , 2013, 3, 4492.	1.7	26
125	2D XANES-XEOL Spectroscopy Studies of Morphology-Dependent Phase Transformation and Corresponding Luminescence from Hierarchical TiO ₂ Nanostructures. <i>Chemistry of Materials</i> , 2015, 27, 3021-3029.	3.2	26
126	Titanium Dioxide/Lithium Phosphate Nanocomposite Derived from Atomic Layer Deposition as a High-Performance Anode for Lithium Ion Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600369.	1.9	26

#	ARTICLE	IF	CITATIONS
127	Unveiling the Interfacial Instability of the Phosphorus/Carbon Anode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 30763-30773.	4.0	26
128	Dopant-tuned stabilization of intermediates promotes electrosynthesis of valuable C3 products. Nature Communications, 2019, 10, 4807.	5.8	26
129	Highly Exposed Single Interlayered Cu Edges Enable High-Rate CO ₂ to CH ₄ Electrosynthesis. Advanced Energy Materials, 2022, 12, .	10.2	26
130	Photoluminescence imaging of porous silicon using a confocal scanning laser microscope/microscope. Applied Physics Letters, 1995, 66, 2321-2323.	1.5	25
131	Anisotropic x-ray absorption effects in the optical luminescence yield of ZnO nanostructures. Applied Physics Letters, 2006, 89, 093118.	1.5	25
132	Photon-In/Photon-Out Spectroscopic Techniques for Materials Analysis: Some Recent Developments. Advanced Materials, 2014, 26, 7896-7901.	11.1	25
133	Effect of ferrous ion concentration on the kinetics of radiation-induced iron-oxide nanoparticle formation and growth. Physical Chemistry Chemical Physics, 2017, 19, 695-708.	1.3	25
134	Visible Emission from GeO ₂ Nanowires: Site-Specific Insights via X-ray Excited Optical Luminescence. Journal of Physical Chemistry C, 2012, 116, 14163-14169.	1.5	24
135	Fast Charging All Solid-State Lithium Batteries Enabled by Rational Design of Dual Vertically Aligned Electrodes. Advanced Functional Materials, 2020, 30, 2005357.	7.8	24
136	CuO/Cu-MOF nanocomposite for highly sensitive detection of nitric oxide released from living cells using an electrochemical microfluidic device. Mikrochimica Acta, 2021, 188, 240.	2.5	24
137	Fabrication of thiol-capped Pd nanoparticles: An electrochemical method. Applied Physics Letters, 2003, 82, 1778-1780.	1.5	23
138	Determination of the local structure of luminescent sites in ZnS nanowires using x-ray excited optical luminescence. Applied Physics Letters, 2005, 87, 253105.	1.5	23
139	VLS-PGM Beamline at the Canadian Light Source. AIP Conference Proceedings, 2007, , .	0.3	23
140	Microbeam X-ray analysis of Ce ³⁺ /Ce ⁴⁺ in Ti-rich minerals: A case study with titanite (sphene) with implications for multivalent trace element substitution in minerals. American Mineralogist, 2013, 98, 110-119.	0.9	23
141	Unfolding the Anatase-to-Rutile Phase Transition in TiO ₂ Nanotubes Using X-ray Spectroscopy and Spectromicroscopy. Journal of Physical Chemistry C, 2016, 120, 22079-22087.	1.5	23
142	Medium-energy microprobe station at the SXRMB of the CLS. Journal of Synchrotron Radiation, 2017, 24, 333-337.	1.0	23
143	Tracking the Local Effect of Fluorine Self-Doping in Anodic TiO ₂ Nanotubes. Journal of Physical Chemistry C, 2016, 120, 4623-4628.	1.5	22
144	Transport Properties of a Molybdenum Disulfide and Carbon Dot Nanohybrid Transistor and Its Applications as a Hg ²⁺ Aptasensor. ACS Applied Electronic Materials, 2020, 2, 635-645.	2.0	22

#	ARTICLE	IF	CITATIONS
145	Atomic Layer Deposition of Hierarchical CNTs@FePO ₄ Architecture as a 3D Electrode for Lithium-Ion and Sodium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600468.	1.9	21
146	2D XAFS-XEOL Mapping of GaZnN _{1-x} O _x Nanostructured Solid Solutions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20507-20514.	1.5	20
147	The Effect of Thermal Oxidation on the Luminescence Properties of Nanostructured Silicon. <i>Small</i> , 2012, 8, 2371-2380.	5.2	20
148	Loading across the Periodic Table: Introducing 14 Different Metal Ions To Enhance Metal-Organic Framework Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30296-30305.	4.0	20
149	Boosting the sodium storage behaviors of carbon materials in ether-based electrolyte through the artificial manipulation of microstructure. <i>Nano Energy</i> , 2019, 66, 104177.	8.2	20
150	Synchrotron x-ray fluorescence and secondary ion mass spectrometry in tree ring microanalysis: applications to dendroanalysis. <i>X-Ray Spectrometry</i> , 2001, 30, 338-341.	0.9	19
151	Electron Localization and Lattice Strain Induced by Surface Lithium Doping Enable Ampere-Level Electrosynthesis of Formate from CO ₂ . <i>Angewandte Chemie</i> , 2021, 133, 25945-25949.	1.6	19
152	Multichannel detection x-ray absorption near edge structures study on the structural characteristics of dendrimer-stabilized CdS quantum dots. <i>Journal of Applied Physics</i> , 2001, 90, 2755-2759.	1.1	18
153	Pressure induced structural transformations of anatase TiO ₂ nanotubes probed by Raman spectroscopy and synchrotron X-ray diffraction. <i>RSC Advances</i> , 2016, 6, 76142-76150.	1.7	18
154	Phase Evolution of a Prenucleator for Fast Li Nucleation in All-Solid-State Lithium Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2001191.	10.2	17
155	Phosphorene Degradation: Visualization and Quantification of Nanoscale Phase Evolution by Scanning Transmission X-ray Microscopy. <i>Chemistry of Materials</i> , 2020, 32, 1272-1280.	3.2	17
156	Magnetic interactions and electronic states in superconducting and nonsuperconducting ruthenocuprates. <i>Physical Review B</i> , 2002, 65, .	1.1	15
157	Dense and optical transparent CdWO ₄ films by sol-gel processing for scintillation applications. <i>Journal of Materials Research</i> , 2007, 22, 1527-1536.	1.2	15
158	Characterization of Tribofilms Generated from Serpentine and Commercial Oil Using X-ray Absorption Spectroscopy. <i>Tribology Letters</i> , 2013, 50, 287-297.	1.2	15
159	Nitridation Temperature Effects on Electronic and Chemical Properties of (GaZn)(N _{1-x} O _x) Solid Solution Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20332-20342.	1.5	15
160	2D XAFS-XEOL Spectroscopy – Some recent developments. <i>Journal of Physics: Conference Series</i> , 2013, 425, 132009.	0.3	15
161	Designing High-Performance Nanostructured P2-type Cathode Based on a Template-free Modified Pechini Method for Sodium-Ion Batteries. <i>ACS Omega</i> , 2018, 3, 8309-8316.	1.6	15
162	Exploring tarnished daguerreotypes with synchrotron light: XRF and ¹ / ₄ -XANES analysis. <i>Heritage Science</i> , 2018, 6, .	1.0	15

#	ARTICLE	IF	CITATIONS
163	Oxidation of Mg adsorbed on Ru(001): A photoemission study. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1992, 10, 2367-2370.	0.9	14
164	Electrochemical route for the fabrication of alkanethiolate-capped gold nanoparticles. <i>Applied Physics Letters</i> , 2003, 82, 1470-1472.	1.5	14
165	Dynamic View on Nanostructures: A Technique for Time Resolved Optical Luminescence using Synchrotron Light Pulses at SRC, APS, and CLS. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	14
166	Role of defect electronic states in the ferromagnetism in graphite. <i>Physical Review B</i> , 2012, 85, .	1.1	14
167	Antimony-Functionalized Phosphine-Based Photopolymer Networks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13252-13256.	7.2	13
168	Engineering Surface Oxygenated Functionalities on Commercial Carbon toward Ultrafast Sodium Storage in Ether-Based Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37116-37127.	4.0	13
169	Phosphorene Nanosheets Exfoliated from Low-Cost and High-Quality Black Phosphorus for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020, 3, 7508-7515.	2.4	13
170	Lithium Vacancy-Tuned [CuO ₄] Sites for Selective CO ₂ Electroreduction to C ₂₊ Products. <i>Small</i> , 2022, 18, e2106433.	5.2	13
171	Photoemission studies of the hydrogenated silicon-gold interface. <i>Applied Physics Letters</i> , 1990, 57, 37-39.	1.5	12
172	Time-resolved x-ray-excited optical luminescence characterization of one-dimensional Si-CdSe heterostructures. <i>Applied Physics Letters</i> , 2006, 89, 243102.	1.5	12
173	Fine structure of unoccupied Agd states near the Fermi level in Ag and AgPd studied by high-resolution partial Auger yield spectroscopy at the AgL ₃ edge. <i>Physical Review B</i> , 2003, 67, .	1.1	11
174	Preferable orientation of turbostratic BN basal planes from an x-ray absorption study. <i>Journal of Materials Research</i> , 2006, 21, 147-152.	1.2	11
175	Microfluidic Synthesis and Angiogenic Activity of Ginsenoside Rg ₁ -Loaded PPF Microspheres. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1872-1882.	2.6	11
176	Electronic structure of nanopolycrystalline pulsed laser deposited LaB ₆ films and single crystals: The boron perspective. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	10
177	Tracking Drug Loading Capacities of Calcium Silicate Hydrate Carrier: A Comparative X-ray Absorption Near Edge Structures Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10052-10059.	1.2	10
178	Time-resolved X-ray excited optical luminescence using an optical streak camera. <i>Journal of Physics: Conference Series</i> , 2013, 425, 092006.	0.3	9
179	X-ray Absorption Near-Edge Structure Spectroscopy of a Stable 6-Oxoverdazyl Radical and Its Diamagnetic Precursor. <i>Journal of Physical Chemistry A</i> , 2019, 123, 323-328.	1.1	9
180	Size-Mediated Recurring Spinel Subnanodomains in Li- and Mn-Rich Layered Cathode Materials. <i>Angewandte Chemie</i> , 2020, 132, 14419-14426.	1.6	9

#	ARTICLE	IF	CITATIONS
181	Stabilizing Oxygen Vacancies in ZrO_2 by Ga_2O_3 Boosts the Direct Dehydrogenation of Light Alkanes. <i>ACS Catalysis</i> , 2021, 11, 10159-10169.	5.5	9
182	Electronic and chemical properties of Li^+Au and Cs^+Au films on Ru(001). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1993, 11, 2029-2033.	0.9	8
183	Edge-jump inversion in the $Si_{L_{2,3}}$ -edge optical XAFS of porous silicon. <i>Journal of Synchrotron Radiation</i> , 1999, 6, 215-216.	1.0	8
184	Atomic-scale distortion of optically activated Sm dopants identified with site-selective X-ray absorption spectroscopy. <i>Journal of Applied Physics</i> , 2013, 114, 133505.	1.1	8
185	Characterization of tribofilms derived from zinc dialkyl dithiophosphate and serpentine by X-ray absorption spectroscopy. <i>Tribology International</i> , 2014, 73, 167-176.	3.0	8
186	Tracking the transformations of mesoporous microspheres of calcium silicate hydrate at the nanoscale upon ibuprofen release: a XANES and STXM study. <i>CrystEngComm</i> , 2015, 17, 4117-4124.	1.3	8
187	Scanning transmission X-ray microscopy studies of chromium hydroxide hollow spheres and nanoparticles formed by gamma radiation. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1146-1150.	0.6	8
188	Molecular-layer-deposited tincone: a new hybrid organic-inorganic anode material for three-dimensional microbatteries. <i>Chemical Communications</i> , 2020, 56, 13221-13224.	2.2	8
189	Revealing Dopant Local Structure of Se-Doped Black Phosphorus. <i>Chemistry of Materials</i> , 2021, 33, 2029-2036.	3.2	8
190	Favorable Bonding and Band Structures of Cu_2ZnSnS_4 and CdS Films and Their Photovoltaic Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32683-32695.	4.0	8
191	Photoemission studies of silicon on the Ru(001) surface. <i>Applied Physics Letters</i> , 1991, 58, 161-163.	1.5	7
192	RIXS, XEOL and XEOL Imaging of Rare-earth Phosphors at the $L_{3,2}$ -edges. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	7
193	Microstructure and electronic behavior of PtPd@Pt core-shell nanowires. <i>Journal of Materials Research</i> , 2010, 25, 711-717.	1.2	7
194	Mechanisms of Phase Transformations of TiO_2 Nanotubes and Nanorods. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22257-22264.	1.5	7
195	Probing the CZTS/CdS heterojunction utilizing photoelectrochemistry and x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2018, 148, 134702.	1.2	7
196	Recovery of Degraded-Beyond-Recognition 19th Century Daguerreotypes with Rapid High Dynamic Range Elemental X-ray Fluorescence Imaging of Mercury L Emission. <i>Scientific Reports</i> , 2018, 8, 9565.	1.6	7
197	Imaging the Surface of a Hand-Colored 19th Century Daguerreotype. <i>Applied Spectroscopy</i> , 2018, 72, 1215-1224.	1.2	7
198	Correlative imaging of ionic transport and electronic structure in nano $Li_{0.5}FePO_4$ electrodes. <i>Chemical Communications</i> , 2020, 56, 984-987.	2.2	7

#	ARTICLE	IF	CITATIONS
199	Strain and ligand effects in Pt-Ni alloys studied by valence-to-core X-ray emission spectroscopy. <i>Scientific Reports</i> , 2021, 11, 13698.	1.6	7
200	Tip-Enhanced Raman Spectroscopy and Tip-Enhanced Photoluminescence of MoS ₂ Flakes Decorated with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	7
201	Au-197 Mössbauer isomer shift in Au-Cu and Au-Ag alloys: The role of the Au 5d electrons. <i>Hyperfine Interactions</i> , 1994, 94, 2267-2272.	0.2	6
202	MULTICORE MULTICHANNEL-DETECTION (MCMD) X-RAY ABSORPTION FINE STRUCTURES (XAFS) STUDIES OF THIN FILMS. <i>Advanced Series in Physical Chemistry</i> , 2002, , 1154-1212.	1.5	6
203	Near-band-gap luminescence from TiO ₂ nanograssâ€“nanotube hierarchical membranes. <i>Canadian Journal of Chemistry</i> , 2015, 93, 106-112.	0.6	6
204	Identifying barriers to charge-carriers in the bulk and surface regions of Cu ₂ ZnSnS ₄ nanocrystal films by x-ray absorption fine structures (XAFSs). <i>Journal of Chemical Physics</i> , 2016, 145, 204702.	1.2	6
205	Antimonyâ€“Functionalized Phosphineâ€“Based Photopolymer Networks. <i>Angewandte Chemie</i> , 2018, 130, 13436-13440.	1.6	6
206	High Energy Resolution Fluorescence Detection of the Pt L _{3,2} -Edge Whitelines of Pt-Based Bimetallic Systems: Implications for the Pt 5d _{5/2,3/2} Density of States. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2327-2333.	1.5	6
207	Surface second harmonic generation of Seâ€“Teâ€“Sb films. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 164-169.	1.1	5
208	Lithium-Ion Batteries: Rational Design of Atomic-Layer-Deposited LiFePO ₄ as a High-Performance Cathode for Lithium-Ion Batteries (<i>Adv. Mater.</i> 37/2014). <i>Advanced Materials</i> , 2014, 26, 6358-6358.	11.1	5
209	Cr doped ZnO nanostructures: synthesis, electronic structures, and magnetic properties. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1225-1232.	0.6	5
210	Eyeing the past: synchrotron μ -XANES and XRF imaging of tarnish distribution on 19th century daguerreotypes. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1679-1686.	1.0	5
211	Electron and x-ray fluorescence yield measurements of the Cu L _{2,3} -edge x-ray absorption fine structures: A comparative study. <i>Review of Scientific Instruments</i> , 1995, 66, 1528-1530.	0.6	4
212	Advances in Time Resolved X-ray Excited Optical Luminescence Instrumentation at the Canadian Light Source. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	4
213	Cathodoluminescence, X-ray excited optical luminescence, and X-ray absorption near-edge structure studies of ZnO nanostructures. <i>Canadian Journal of Chemistry</i> , 2012, 90, 298-305.	0.6	4
214	The origin of luminescence from di[4-(4-diphenylaminophenyl)phenyl]sulfone (DAPSF), a blue light emitter: an X-ray excited optical luminescence (XEOL) and X-ray absorption near edge structure (XANES) study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6406-6410.	1.3	4
215	A Comprehensive Investigation of a Zwitterionic Ge ^I Dimer with a 1,2â€“Dicationic Core. <i>Chemistry - A European Journal</i> , 2019, 25, 14790-14800.	1.7	4
216	Retrieving Tarnished Daguerreotype Content Using X-ray Fluorescence Imagingâ€“Recent Observations on the Effect of Chemical and Electrochemical Cleaning Methods. <i>Heritage</i> , 2021, 4, 1605-1615.	0.9	4

#	ARTICLE	IF	CITATIONS
217	Glovebox-integrated XES and XAS station for in situ studies in tender x-ray region. <i>Electronic Structure</i> , 2020, 2, 047001.	1.0	4
218	X-Ray Absorption Fine Structure (Xafs) Studies Of Cobalt Silicide Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1998, 524, 273.	0.1	3
219	An X-ray excited optical luminescence study of a zoned quartz crystal from an emerald-bearing quartz vein, Hiddenite, North Carolina, USA. <i>Physics and Chemistry of Minerals</i> , 2009, 36, 207-216.	0.3	3
220	Morphology and Electronic Structures of Calcium Phosphate Coated Titanium Dioxide Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1352, 63.	0.1	3
221	Magnetic anisotropy induced in NiCo granular nanostructures by ZnO nanorods deposited on a polymer substrate. <i>RSC Advances</i> , 2014, 4, 47987-47991.	1.7	3
222	Recovering Past Reflections: X-Ray Fluorescence Imaging of Electrocleaned 19th Century Daguerreotypes. <i>Heritage</i> , 2019, 2, 568-586.	0.9	3
223	TiO ₂ Nanotubes: Morphology, Size, Crystallinity, and Phase-Dependent Properties from Synchrotron-Spectroscopy Studies. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3265-3275.	1.5	3
224	VUV- and Soft X-Ray-Induced Optical Luminescence and X-Ray Absorption Fine Structures of Porous Silicon. <i>Materials Research Society Symposia Proceedings</i> , 1992, 281, 525.	0.1	2
225	Synchrotron Radiation Studies of Platinum Silicide Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1995, 402, 587.	0.1	2
226	Time Resolved Studies of ZnO (Eu) Nanostructure Luminescence Using Short Synchrotron Radiation Pulses. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	2
227	XAFS and XEOL Studies of CdSe Nanostructures. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	2
228	X-Ray Excited Optical Luminescence from Ru(bipy) ₃ ²⁺ and Ru(phen) ₃ ²⁺ in the Energy and Time Domains. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	2
229	Morphology-dependent luminescence from ZnO nanostructures – An X-ray excited optical luminescence study at the Zn K-edge. <i>Canadian Journal of Chemistry</i> , 2009, 87, 1255-1260.	0.6	2
230	Electronic structure and optical properties of 2,5,8,11-tetra-tert-butylperylene polyhedral crystals from x-ray absorption near-edge structure and x-ray excited optical luminescence studies. <i>Applied Physics Letters</i> , 2011, 98, 243106.	1.5	2
231	Effects of polymer intercalation in calcium silicate hydrates on drug loading capacities and drug release kinetics: an X-ray absorption near edge structure study. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1122-1129.	0.6	2
232	Investigation of amorphous to crystalline phase transition of sodium titanate by X-ray absorption spectroscopy and scanning transmission X-ray microscopy. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1163-1169.	0.6	2
233	Imaging of Individual Eu Doped Y2O3 Sub-microspheres Using Photoluminescence Yield: An Application of Scanning Transmission X-ray Microscopy in Luminescent Materials. <i>Microscopy and Microanalysis</i> , 2018, 24, 480-481.	0.2	2
234	Visualization of the secondary phase in LiFePO4 ingots with advanced mapping techniques. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2218-2223.	0.9	2

#	ARTICLE	IF	CITATIONS
235	Exploring the Dzi Bead with Synchrotron Light: XRD, XRF Imaging and μ -XANES Analysis. Heritage, 2020, 3, 1035-1045.	0.9	2
236	Structure and Electronic Properties of Molecularly-capped Metal Nanoparticles: The effect of Nano-size, Metal Core and Capping Molecule Probed by X-ray Absorption Spectroscopy. Materials Research Society Symposia Proceedings, 2002, 738, 1341.	0.1	1
237	Influence of hydrogen passivation on the luminescence of Si quantum dots embedded in Si ₃ N ₄ . Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, 061202.	0.6	1
238	Large-scale hollow nanoparticle identification by X-ray absorption spectroscopy. Canadian Journal of Chemistry, 2017, 95, 1151-1155.	0.6	1
239	Bromine, a possible marine diet indicator? A hypothesis revisited. Archaeometry, 2020, 62, 1267-1279.	0.6	1
240	Highly Textured Assembly of Engineered Si Nanowires for Artificial Synapses Model. ACS Applied Electronic Materials, 2021, 3, 1375-1383.	2.0	1
241	Electronic and relating behavior of Mn-doped ZnO nanostructures: An x-ray absorption spectroscopy study. AIP Advances, 2021, 11, 065027.	0.6	1
242	Direct Observation of Optical Band Gap Components in Ga _{1-x} Zn _x N _{1-x} O _x Solid-Solution Nanoparticles. Journal of Physical Chemistry C, 2021, 125, 19438-19444.	1.5	1
243	Platinum single-atom and cluster catalysis of the hydrogen evolution reaction. , 0, .		1
244	Ion Yields for Tetramethylgermane Exposed to X-Rays near the Ge K-Edge. Journal of Physical Chemistry A, 2000, 104, 2859-2864.	1.1	0
245	XANES study of Fe-implanted strontium titanate. , 2014, , .		0
246	Batteries: Atomic Layer Deposition of Hierarchical CNTs@FePO ₄ Architecture as a 3D Electrode for Lithium-Ion and Sodium-Ion Batteries (Adv. Mater. Interfaces 21/2016). Advanced Materials Interfaces, 2016, 3, .	1.9	0
247	μ -XANES study of Water-Mediated Synthesis of a Superionic Halide Solid Electrolyte (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Over 1.6		0
248	Frontispiece: A Comprehensive Investigation of a Zwitterionic Ge ^I Dimer with a μ -Dicationic Core. Chemistry - A European Journal, 2019, 25, .	1.7	0