

# Ji-Gang Zhou

## List of Publications by Citations

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127  
ext. papers

22,300  
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#	Paper	IF	Citations
126	Co <sub>3</sub> O <sub>4</sub> Nanocrystals on graphene as a synergistic catalyst for oxygen reduction reaction. <i>Nature Materials</i> , <b>2011</b> , 10, 780-6	27	4565
125	An advanced Ni-Fe layered double hydroxide electrocatalyst for water oxidation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8452-5	16.4	2084
124	Nanoscale nickel oxide/nickel heterostructures for active hydrogen evolution electrocatalysis. <i>Nature Communications</i> , <b>2014</b> , 5, 4695	17.4	1170
123	Covalent hybrid of spinel manganese-cobalt oxide and graphene as advanced oxygen reduction electrocatalysts. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 3517-23	16.4	1129
122	Double perovskites as a family of highly active catalysts for oxygen evolution in alkaline solution. <i>Nature Communications</i> , <b>2013</b> , 4, 2439	17.4	967
121	An electrochemical avenue to blue luminescent nanocrystals from multiwalled carbon nanotubes (MWCNTs). <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 744-5	16.4	959
120	Oxygen reduction electrocatalyst based on strongly coupled cobalt oxide nanocrystals and carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15849-57	16.4	694
119	Single-atom Catalysis Using Pt/Graphene Achieved through Atomic Layer Deposition. <i>Scientific Reports</i> , <b>2013</b> , 3,	4.9	589
118	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. <i>Science Advances</i> , <b>2015</b> , 1, e1500462	14.3	562
117	The discharge rate capability of rechargeable LiO <sub>2</sub> batteries. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 2999	35.4	375
116	Influence of Li <sub>2</sub> O <sub>2</sub> morphology on oxygen reduction and evolution kinetics in LiO <sub>2</sub> batteries. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2518	35.4	358
115	Highly active and durable methanol oxidation electrocatalyst based on the synergy of platinum-nickel hydroxide-graphene. <i>Nature Communications</i> , <b>2015</b> , 6, 10035	17.4	351
114	Chemical and Morphological Changes of LiO <sub>2</sub> Battery Electrodes upon Cycling. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20800-20805	3.8	332
113	An ultrafast nickel-iron battery from strongly coupled inorganic nanoparticle/nanocarbon hybrid materials. <i>Nature Communications</i> , <b>2012</b> , 3, 917	17.4	301
112	Carbon Nanosheets Containing Discrete Co-N-B-C Active Sites for Efficient Oxygen Electrocatalysis and Rechargeable Zn-Air Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 1894-1901	16.7	294
111	Microwave-assisted synthesis of a core-shell MWCNT/GONR heterostructure for the electrochemical detection of ascorbic acid, dopamine, and uric acid. <i>ACS Nano</i> , <b>2011</b> , 5, 7788-95	16.7	267
110	Ultrasmall and phase-pure WC nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. <i>Nature Communications</i> , <b>2016</b> , 7, 13216	17.4	265

109	Comparison of the rate capability of nanostructured amorphous and anatase TiO <sub>2</sub> for lithium insertion using anodic TiO <sub>2</sub> nanotube arrays. <i>Nanotechnology</i> , <b>2009</b> , 20, 225701	3.4	172
108	Promoting Effect of Ni(OH) <sub>2</sub> on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703057	3.4	169
107	Magnetite Nanocrystals on Multiwalled Carbon Nanotubes as a Synergistic Microwave Absorber. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5446-5452	3.8	168
106	Chemoselectivity-induced multiple interfaces in MWCNT/Fe <sub>3</sub> O <sub>4</sub> @ZnO heterotrimers for whole X-band microwave absorption. <i>Nanoscale</i> , <b>2014</b> , 6, 12298-302	7.7	164
105	Nickel oxide functionalized silicon for efficient photo-oxidation of water. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7872	35.4	154
104	Chemical interaction and imaging of single Co <sub>3</sub> O <sub>4</sub> /graphene sheets studied by scanning transmission X-ray microscopy and X-ray absorption spectroscopy. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 926	35.4	152
103	Ultrahigh Mass Activity for Carbon Dioxide Reduction Enabled by Gold-Iron Core-Shell Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15608-15611	16.4	151
102	N Doping to ZnO Nanorods for Photoelectrochemical Water Splitting under Visible Light: Engineered Impurity Distribution and Terraced Band Structure. <i>Scientific Reports</i> , <b>2015</b> , 5, 12925	4.9	143
101	Surface engineered doping of hematite nanorod arrays for improved photoelectrochemical water splitting. <i>Scientific Reports</i> , <b>2014</b> , 4, 6627	4.9	130
100	Covalent interaction enhanced electromagnetic wave absorption in SiC/Co hybrid nanowires. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6517-6525	13	127
99	Oxygen electrocatalysis on (001)-oriented manganese perovskite films: Mn valency and charge transfer at the nanoscale. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 1582	35.4	127
98	O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. <i>Science Advances</i> , <b>2020</b> , 6, eaba6586	14.3	123
97	In Situ X-ray Absorption Near-Edge Structure Study of Advanced NiFe(OH) <sub>x</sub> Electrocatalyst on Carbon Paper for Water Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 19573-19583	3.8	116
96	Stacking fault and unoccupied densities of state dependence of electromagnetic wave absorption in SiC nanowires. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 4416-4423	7.1	112
95	Enhanced microwave absorption of Fe <sub>3</sub> O <sub>4</sub> nanocrystals after heterogeneously growing with ZnO nanoshell. <i>RSC Advances</i> , <b>2013</b> , 3, 3309	3.7	98
94	Scalable fabrication of micron-scale graphene nanomeshes for high-performance supercapacitor applications. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1270-1281	35.4	97
93	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. <i>Nano Research</i> , <b>2012</b> , 5, 718-725	10	95
92	Interaction between Pt nanoparticles and carbon nanotubes [An X-ray absorption near edge structures (XANES) study. <i>Chemical Physics Letters</i> , <b>2007</b> , 437, 229-232	2.5	91

91	Inverse Spinel Cobalt-Iron Oxide and N-Doped Graphene Composite as an Efficient and Durable Bifunctional Catalyst for LiD2 Batteries. <i>ACS Catalysis</i> , <b>2018</b> , 8, 4082-4090	13.1	74
90	A highly active, stable and synergistic Pt nanoparticles/Mo2C nanotube catalyst for methanol electro-oxidation. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e153-e153	10.3	71
89	An X-ray Absorption, Photoemission, and Raman Study of the Interaction between SnO2 Nanoparticle and Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 6114-6117	3.8	67
88	Tuning of electrogenerated silole chemiluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7731-5	16.4	66
87	Identification of the Solid Electrolyte Interface on the Si/C Composite Anode with FEC as the Additive. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14066-14075	9.5	66
86	Characterization of Disordered Li(1+x)Ti2xFe(1-3x)O2 as Positive Electrode Materials in Li-Ion Batteries Using Percolation Theory. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7751-7756	9.6	64
85	Fe-N bonding in a carbon nanotube-graphene complex for oxygen reduction: an XAS study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 15787-91	3.6	64
84	Electronic structure of TiO2nanotube arrays from X-ray absorption near edge structure studies. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6804		61
83	Solid-state activation of Li2O2 oxidation kinetics and implications for LiD2 batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2417-2426	35.4	60
82	Imaging Nitrogen in Individual Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1709-1713	3	59
81	Enhanced electrochemical reduction of CO2 to CO on Ag electrocatalysts with increased unoccupied density of states. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12616-12623	13	58
80	Observation of Single Tin Dioxide Nanoribbons by Confocal Raman Microspectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18839-18843	3.8	58
79	Activation of MCM-41 mesoporous silica by transition-metal incorporation for photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 150-151, 138-146	21.8	57
78	Nano-scale chemical imaging of a single sheet of reduced graphene oxide. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14622		57
77	Mg Doped Perovskite LaNiO3 Nanofibers as an Efficient Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 923-931	6.1	57
76	Visualizing electronic interactions between iron and carbon by X-ray chemical imaging and spectroscopy. <i>Chemical Science</i> , <b>2015</b> , 6, 3262-3267	9.4	56
75	Nanoscale chemical imaging and spectroscopy of individual RuO(2) coated carbon nanotubes. <i>Chemical Communications</i> , <b>2010</b> , 46, 2778-80	5.8	54
74	Origin of luminescence from Ga2O3 nanostructures studied using x-ray absorption and luminescence spectroscopy. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	54

73	Observation of the origin of d0 magnetism in ZnO nanostructures using X-ray-based microscopic and spectroscopic techniques. <i>Nanoscale</i> , <b>2014</b> , 6, 9166-76	7.7	52
72	Immobilization of RuO <sub>2</sub> on Carbon Nanotube: An X-ray Absorption Near-Edge Structure Study. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 10747-10750	3.8	52
71	Si photoanode protected by a metal modified ITO layer with ultrathin NiO(x) for solar water oxidation. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4612-25	3.6	51
70	Electronic Structure of Graphdiyne Probed by X-ray Absorption Spectroscopy and Scanning Transmission X-ray Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5931-5936	3.8	50
69	Facile synthesis of few-layer-thick carbon nitride nanosheets by liquid ammonia-assisted lithiation method and their photocatalytic redox properties. <i>RSC Advances</i> , <b>2014</b> , 4, 32690-32697	3.7	48
68	The influence of transition metal oxides on the kinetics of Li <sub>2</sub> O <sub>2</sub> oxidation in Li-O <sub>2</sub> batteries: high activity of chromium oxides. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 2297-304	3.6	47
67	Capacity Fade Mechanism of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanosheet Anode. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601825	21.8	47
66	Electronic structure and luminescence center of blue luminescent carbon nanocrystals. <i>Chemical Physics Letters</i> , <b>2009</b> , 474, 320-324	2.5	47
65	Spectroscopic understanding of ultra-high rate performance for LiMn(0.75)Fe(0.25)PO <sub>4</sub> nanorods-graphene hybrid in lithium ion battery. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 9578-81	3.6	43
64	Electronic structure variation of the surface and bulk of a LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode as a function of state of charge: X-ray absorption spectroscopic study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 13838-42	3.6	37
63	Electrochemistry and electrochemiluminescence study of blue luminescent carbon nanocrystals. <i>Chemical Physics Letters</i> , <b>2010</b> , 493, 296-298	2.5	36
62	Nitrogen-Doped NiCo <sub>2</sub> O <sub>4</sub> Microsphere as an Efficient Catalyst for Flexible Rechargeable Zinc-Air Batteries and Self-Charging Power System. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2296-2304	6.1	34
61	Identifying the descriptor governing NO oxidation on mullite Sm(Y, Tb, Gd, Lu)Mn <sub>2</sub> O <sub>5</sub> for diesel exhaust cleaning. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 3971-3975	5.5	32
60	Engineering of Nitrogen Coordinated Single Cobalt Atom Moieties for Oxygen Electroreduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41258-41266	9.5	32
59	Structural variation and water adsorption of a SnO <sub>2</sub> coated carbon nanotube: a nanoscale chemical imaging study. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5944		32
58	Co-regulating the surface and bulk structure of Li-rich layered oxides by a phosphor doping strategy for high-energy Li-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 8302-8314	13	31
57	Nature of Electromagnetic-Transparent SiO <sub>2</sub> Shell in Hybrid Nanostructure Enhancing Electromagnetic Attenuation. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 12967-12973	3.8	31
56	Imaging state of charge and its correlation to interaction variation in an LiMn(0.75)Fe(0.25)PO <sub>4</sub> nanorods-graphene hybrid. <i>Chemical Communications</i> , <b>2013</b> , 49, 1765-7	5.8	30

55	Optical emission of biaxial ZnO-ZnS nanoribbon heterostructures. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 084707	3.9	30
54	Revealing the charge/discharge mechanism of NaO <sub>2</sub> cells by in situ soft X-ray absorption spectroscopy. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 2073-2077	35.4	29
53	Mechanism for improving the cycle performance of LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> by RuO <sub>2</sub> surface modification and increasing discharge cut-off potentials. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15457-15465	13	28
52	Biaxial ZnO/ZnS Nanoribbon Heterostructures. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 4755-4757	3.8	27
51	Thermal-induced interlayer defect engineering toward super high-performance sodium ion capacitors. <i>Nano Energy</i> , <b>2019</b> , 59, 17-25	17.1	26
50	Annealing-regulated elimination of residual strain-induced structural relaxation for stable high-power Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanosheet anodes. <i>Nano Energy</i> , <b>2017</b> , 32, 533-541	17.1	25
49	Utilizing Environmental Friendly Iron as a Substitution Element in Spinel Structured Cathode Materials for Safer High Energy Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501662	21.8	25
48	Characterization of surface composition on Alloy 22 in neutral chloride solutions. <i>Surface and Interface Analysis</i> , <b>2013</b> , 45, 1014-1019	1.5	25
47	Electrode Stack Geometry Changes during Gas Evolution in Pouch-Cell-Type Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A6158-A6162	3.9	25
46	Li-ion storage dynamics in metastable nanostructured Li <sub>2</sub> FeSiO <sub>4</sub> cathode: Antisite-induced phase transition and lattice oxygen participation. <i>Journal of Power Sources</i> , <b>2016</b> , 329, 355-363	8.9	24
45	In-situ surface chemical and structural self-reconstruction strategy enables high performance of Li-rich cathode. <i>Nano Energy</i> , <b>2021</b> , 79, 105459	17.1	24
44	Magnetism in lithium-oxygen discharge product. <i>ChemSusChem</i> , <b>2013</b> , 6, 1196-202	8.3	22
43	Revealing the Role of Poly(vinylidene fluoride) Binder in Si/Graphite Composite Anode for Li-Ion Batteries. <i>ACS Omega</i> , <b>2018</b> , 3, 11684-11690	3.9	22
42	Tuning of Electrogenenerated Silole Chemiluminescence. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 7845-7849	3.6	21
41	Highly Selective Electrocatalytic Reduction of CO into Methane on Cu-Bi Nanoalloys. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 7261-7266	6.4	20
40	Nanoscale chemical imaging of the additive effects on the interfaces of high-voltage LiCoO <sub>2</sub> composite electrodes. <i>Chemical Communications</i> , <b>2017</b> , 53, 8581-8584	5.8	19
39	Enhancement of the cycling performance of LiVPO <sub>4</sub> F by stabilizing the crystal structure through Zn <sup>2+</sup> doping. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 13858-65	3.6	17
38	Tailoring multi-wall carbon nanotubes for smaller nanostructures. <i>Carbon</i> , <b>2009</b> , 47, 829-838	10.4	17

37	Improving Electrochemical Performance of High-Voltage Spinel LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> Cathode by Cobalt Surface Modification. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2982-2989	6.1	15
36	Ferromagnetism in homogeneous (Al,Co)-codoped 4H-silicon carbides. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 363, 34-42	2.8	15
35	Chemical bonding in amorphous Si-coated carbon nanotubes as anodes for Li ion batteries: a XANES study. <i>RSC Advances</i> , <b>2014</b> , 4, 20226-20229	3.7	14
34	Dynamic study of sub-micro sized LiFePO <sub>4</sub> cathodes by in-situ tender X-ray absorption near edge structure. <i>Journal of Power Sources</i> , <b>2016</b> , 302, 223-232	8.9	13
33	The effect of the surface of SnO <sub>2</sub> nanoribbons on their luminescence using x-ray absorption and luminescence spectroscopy. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 144703	3.9	13
32	Highly conductive NMP-free carbon-coated nano-lithium titanate/carbon composite electrodes via SBR-assisted electrophoretic deposition. <i>Electrochimica Acta</i> , <b>2019</b> , 299, 107-115	6.7	13
31	Imaging the surface morphology, chemistry and conductivity of LiNi <sub>1/3</sub> Fe <sub>1/3</sub> Mn <sub>4/3</sub> O <sub>4</sub> crystalline facets using scanning transmission X-ray microscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 22789-93	3.6	12
30	Tunable electrogenerated chemiluminescence from CdSe nanocrystals. <i>Canadian Journal of Chemistry</i> , <b>2009</b> , 87, 386-391	0.9	12
29	Soft X-ray Ptychography Chemical Imaging of Degradation in a Composite Surface-Reconstructed Li-Rich Cathode. <i>ACS Nano</i> , <b>2021</b> , 15, 1475-1485	16.7	12
28	Chemical Imaging of Nanoscale Interfacial Inhomogeneity in LiFePO Composite Electrodes from a Cycled Large-Format Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39336-39341	9.5	11
27	Effect of humidity on individual SnO <sub>2</sub> coated carbon nanotubes studied by in situ STXM. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2011</b> , 184, 296-300	1.7	10
26	Resolving the Chemical Variation of Phosphates in Thin ZDDP Tribofilms by X-ray Photoelectron Spectroscopy Using Synchrotron Radiation: Evidence for Ultraphosphates and Organic Phosphates. <i>Tribology Letters</i> , <b>2010</b> , 39, 101-107	2.8	10
25	Photoelectrochemical and Physical Insight into Cu <sub>2</sub> ZnSnS <sub>4</sub> Nanocrystals Using Synchrotron Radiation. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11922-11928	3.8	9
24	In Situ Synthesis of Graphene-Coated Silicon Monoxide Anodes from Coal-Derived Humic Acid for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101645	15.6	9
23	Phosphorene Degradation: Visualization and Quantification of Nanoscale Phase Evolution by Scanning Transmission X-ray Microscopy. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1272-1280	9.6	8
22	Simple method to fabricate large scale quantum dot architectures. <i>Materials Letters</i> , <b>2009</b> , 63, 563-565	3.3	8
21	Electronic structures of CdSe nanocrystals [An X-ray absorption near-edge structure (XANES) investigation. <i>Canadian Journal of Chemistry</i> , <b>2007</b> , 85, 756-760	0.9	8
20	Nanoscale assembling of graphene oxide with electrophoretic deposition leads to superior percolation network in Li-ion electrodes: TiNbO/rGO composite anodes. <i>Nanoscale</i> , <b>2020</b> , 12, 23092-23104	7.7	8

19	Unexpected phase separation in LiNiMnO within a porous composite electrode. <i>Chemical Communications</i> , <b>2018</b> , 54, 4152-4155	5.8	7
18	Cycling stability of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C cathode in a broad electrochemical window. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 774, 76-82	4.1	7
17	Three-dimensional macroporous graphene/TiO <sub>2</sub> nanocomposite as anode material for lithium ion batteries. <i>Materials Express</i> , <b>2015</b> , 5, 83-94	1.3	6
16	Assessing the Band Structure of CuInS <sub>2</sub> Nanocrystals and Their Bonding with the Capping Ligand. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20967-20974	3.8	6
15	Synchrotron powder diffraction, X-ray absorption and 1H nuclear magnetic resonance data for hypoxanthine, C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O. <i>Powder Diffraction</i> , <b>2015</b> , 30, 278-285	1.8	6
14	An electrochemical approach to fabricating honeycomb assemblies from multiwall carbon nanotubes. <i>Carbon</i> , <b>2013</b> , 59, 130-139	10.4	4
13	Correlative imaging of ionic transport and electronic structure in nano LiFePO electrodes. <i>Chemical Communications</i> , <b>2020</b> , 56, 984-987	5.8	4
12	Transition from antiferromagnetic ground state to robust ferrimagnetic order with Curie temperatures above 420 K in manganese-based antiperovskite-type structures. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 13336-13344	7.1	4
11	Enhancing Solar-Driven Water Splitting with Surface-Engineered Nanostructures. <i>Solar Rrl</i> , <b>2018</b> , 3, 1800285	2.85	4
10	PEDOT Encapsulated and Mechanochemically Engineered Silicate Nanocrystals for High Energy Density Cathodes. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000226	4.6	3
9	Surface heterogeneity in LiCoO within a porous composite electrode. <i>Chemical Communications</i> , <b>2018</b> , 54, 8320-8323	5.8	3
8	Insights into the Effect of Heat Treatment and Carbon Coating on the Electrochemical Behaviors of SiO Anodes for Li-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2200127	21.8	3
7	Unusual Li-ion Intercalation Activation with Progressive Capacity Increase in Orthosilicate Nanocomposite Cathode. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 5966-5977	3.8	2
6	X-Ray Spectromicroscopy Investigation of Heterogeneous Sodiation in Hard Carbon Nanosheets with Vertically Oriented (002) Planes. <i>Small</i> , <b>2021</b> , 17, e2102109	11	1
5	Studies on effect of Ca-doping on structure and electrochemical properties of garnet-type Y <sub>3-x</sub> CaxFe <sub>5</sub> O <sub>12</sub> . <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 290, 121530	3.3	1
4	Insight into the inhomogeneous capacity distribution characteristic of LiFePO <sub>4</sub> cathode in large-format lithium ion cell. <i>Ceramics International</i> , <b>2021</b> , 47, 9132-9136	5.1	1
3	Application of nanoporous core-shell structured multi-walled carbon nanotube-graphene oxide nanoribbons in electrochemical biosensors. <i>Microchemical Journal</i> , <b>2022</b> , 107586	4.8	1
2	Influence of Ti Substitution on Electrochemical Performance and Evolution of LiMn <sub>1.5-x</sub> Ni <sub>0.5</sub> Ti <sub>x</sub> O <sub>4</sub> (x = 0.05, 0.1, 0.3) as a High Voltage Cathode Material with a Very Long Cycle Life. <i>Inorganics</i> , <b>2022</b> , 10, 10	2.9	0



- 1 Applications of Soft X-ray Spectromicroscopy in Energy Research from Materials to Batteries **2021**, 141-178