

# Ji-Gang Zhou

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/786824/ji-gang-zhou-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126  
papers

20,175  
citations

53  
h-index

127  
g-index

127  
ext. papers

22,300  
ext. citations

10  
avg, IF

6.59  
L-index

#	Paper	IF	Citations
126	Influence of Ti Substitution on Electrochemical Performance and Evolution of $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{Ti}_x\text{O}_4$ ( $x = 0.05, 0.1, 0.3$ ) as a High Voltage Cathode Material with a Very Long Cycle Life. <i>Inorganics</i> , <b>2022</b> , 10, 10	2.9	0
125	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
124	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
123	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
122	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
121	Insight into the inhomogeneous capacity distribution characteristic of $\text{LiFePO}_4$ cathode in large-format lithium ion cell. <i>Ceramics International</i> , <b>2021</b> , 47, 9132-9136	5.1	1
120	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
119	Applications of Soft X-ray Spectromicroscopy in Energy Research from Materials to Batteries <b>2021</b> , 141-178		
118	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
117	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
116	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
115	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
114	Correlative imaging of ionic transport and electronic structure in nano $\text{LiFePO}_4$ electrodes. <i>Chemical Communications</i> , <b>2020</b> , 56, 984-987	5.8	4
113	Studies on effect of Ca-doping on structure and electrochemical properties of garnet-type $\text{Y}_{3-x}\text{Ca}_x\text{Fe}_5\text{O}_{12}$ . <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 290, 121530	3.3	1
112	Nanoscale assembling of graphene oxide with electrophoretic deposition leads to superior percolation network in Li-ion electrodes: $\text{TiNbO}_3/\text{rGO}$ composite anodes. <i>Nanoscale</i> , <b>2020</b> , 12, 23092-23104	7.7	8
111	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
110	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

109	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
108	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
107	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
106	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
105	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
104	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
103	Mg Doped Perovskite LaNiO <sub>3</sub> 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
102	Inverse Spinel Cobalt-Iron Oxide and N-Doped Graphene Composite as an Efficient and Durable Bifunctional Catalyst for Li-O <sub>2</sub> Batteries. <i>ACS Catalysis</i> , <b>2018</b> , 8, 4082-4090	13.1	74
101	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
100	Unexpected phase separation in LiNiMnO within a porous composite electrode. <i>Chemical Communications</i> , <b>2018</b> , 54, 4152-4155	5.8	7
99	Surface heterogeneity in LiCoO within a porous composite electrode. <i>Chemical Communications</i> , <b>2018</b> , 54, 8320-8323	5.8	3
98	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
97	Enhancing Solar-Driven Water Splitting with Surface-Engineered Nanostructures. <i>Solar Rrl</i> , <b>2018</b> , 3, 1800285	28.5	4
96	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
95	Revealing the charge/discharge mechanism of Na-O <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
94	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
93	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
92	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

91	Promoting Effect of Ni(OH) on Palladium Nanocrystals Leads to Greatly Improved Operation Durability for Electrocatalytic Ethanol Oxidation in Alkaline Solution. <i>Advanced Materials</i> , <b>2017</b> , 29, 17030-17037	24	169
90	Nanoscale chemical imaging of the additive effects on the interfaces of high-voltage LiCoO composite electrodes. <i>Chemical Communications</i> , <b>2017</b> , 53, 8581-8584	5.8	19
89	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, 1601825-1601831	21.8	47
88	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
87	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
86	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, 22789-22793	2.6	12
85	Enhanced electrochemical reduction of CO <sub>2</sub> 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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	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
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	Solid-state activation of Li <sub>2</sub> O <sub>2</sub> oxidation kinetics and implications for LiO <sub>2</sub> batteries. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2417-2426	35.4	60
74	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

73	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
72	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
71	A highly active, stable and synergistic Pt nanoparticles/Mo <sub>2</sub> C nanotube catalyst for methanol electro-oxidation. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e153-e153	10.3	71
70	Characterization of Disordered Li(1+x)Ti <sub>2</sub> xFe(1Bx)O <sub>2</sub> 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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	Surface engineered doping of hematite nanorod arrays for improved photoelectrochemical water splitting. <i>Scientific Reports</i> , <b>2014</b> , 4, 6627	4.9	130
61	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
60	Observation of the origin of d <sub>0</sub> magnetism in ZnO nanostructures using X-ray-based microscopic and spectroscopic techniques. <i>Nanoscale</i> , <b>2014</b> , 6, 9166-76	7.7	52
59	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
58	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
57	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
56	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

55	Nanoscale nickel oxide/nickel heterostructures for active hydrogen evolution electrocatalysis. <i>Nature Communications</i> , <b>2014</b> , 5, 4695	17.4	1170
54	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
53	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
52	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
51	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
50	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
49	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
48	Imaging state of charge and its correlation to interaction variation in an LiMn(0.75)Fe(0.25)PO(4) nanorods-graphene hybrid. <i>Chemical Communications</i> , <b>2013</b> , 49, 1765-7	5.8	30
47	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
46	Magnetism in lithium-oxygen discharge product. <i>ChemSusChem</i> , <b>2013</b> , 6, 1196-202	8.3	22
45	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
44	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
43	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
42	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
41	An electrochemical approach to fabricating honeycomb assemblies from multiwall carbon nanotubes. <i>Carbon</i> , <b>2013</b> , 59, 130-139	10.4	4
40	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
39	Single-atom Catalysis Using Pt/Graphene Achieved through Atomic Layer Deposition. <i>Scientific Reports</i> , <b>2013</b> , 3,	4.9	589
38	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

37	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
36	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
35	Chemical and Morphological Changes of LiD <sub>2</sub> Battery Electrodes upon Cycling. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20800-20805	3.8	332
34	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
33	Nickel oxide functionalized silicon for efficient photo-oxidation of water. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7872	35.4	154
32	Engineering manganese oxide/nanocarbon hybrid materials for oxygen reduction electrocatalysis. <i>Nano Research</i> , <b>2012</b> , 5, 718-725	10	95
31	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
30	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
29	The discharge rate capability of rechargeable LiD <sub>2</sub> batteries. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 2999	35.4	375
28	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
27	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
26	CoD <sub>2</sub> nanocrystals on graphene as a synergistic catalyst for oxygen reduction reaction. <i>Nature Materials</i> , <b>2011</b> , 10, 780-6	27	4565
25	Nano-scale chemical imaging of a single sheet of reduced graphene oxide. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14622		57
24	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
23	Imaging Nitrogen in Individual Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1709-1713	3	59
22	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
21	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
20	Electrochemistry and electrochemiluminescence study of blue luminescent carbon nanocrystals. <i>Chemical Physics Letters</i> , <b>2010</b> , 493, 296-298	2.5	36

19	Optical emission of biaxial ZnO-ZnS nanoribbon heterostructures. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 084707	3.9	30
18	Simple method to fabricate large scale quantum dot architectures. <i>Materials Letters</i> , <b>2009</b> , 63, 563-565	3.3	8
17	Electronic structure and luminescence center of blue luminescent carbon nanocrystals. <i>Chemical Physics Letters</i> , <b>2009</b> , 474, 320-324	2.5	47
16	Tailoring multi-wall carbon nanotubes for smaller nanostructures. <i>Carbon</i> , <b>2009</b> , 47, 829-838	10.4	17
15	An X-ray Absorption, Photoemission, and Raman Study of the Interaction between SnO <sub>2</sub> Nanoparticle and Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 6114-6117	3.8	67
14	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
13	Tunable electrogenerated chemiluminescence from CdSe nanocrystals. <i>Canadian Journal of Chemistry</i> , <b>2009</b> , 87, 386-391	0.9	12
12	Biaxial ZnO/ZnS Nanoribbon Heterostructures. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 4755-4757	3.8	27
11	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
10	Electronic structure of TiO <sub>2</sub> nanotube arrays from X-ray absorption near edge structure studies. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6804		61
9	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
8	Tuning of electrogenerated silole chemiluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7731-5	16.4	66
7	Tuning of Electrogenerated Silole Chemiluminescence. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 7845-7849	3.6	21
6	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
5	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
4	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
3	Origin of luminescence from Ga <sub>2</sub> O <sub>3</sub> nanostructures studied using x-ray absorption and luminescence spectroscopy. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	54
2	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

- 1 Insights into the Effect of Heat Treatment and Carbon Coating on the Electrochemical Behaviors of SiO Anodes for Li-Ion Batteries. *Advanced Energy Materials*, 2200127 21.8 3