

# Yan Lu

## List of Publications by Year in Descending Order

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

183  
papers

14,747  
citations

56  
h-index

119  
g-index

191  
ext. papers

16,497  
ext. citations

8.9  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
183	Colloidal Metal Sulfide Nanoparticles for High Performance Electrochemical Energy Storage Systems. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2022</b> , 34, 100596	7.9	1
182	Combined first-principles statistical mechanics approach to sulfur structure in organic cathode hosts for polymer based lithium-sulfur (Li-S) batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 26709-26720	3.6	1
181	Single-Ni Sites Embedded in Multilayer Nitrogen-Doped Graphene Derived from Amino-Functionalized MOF for Highly Selective CO <sub>2</sub> Electroreduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 3792-3801	8.3	6
180	Kinetics of the Reduction of 4-Nitrophenol by Silver Nanoparticles Immobilized in Thermoresponsive Core-Shell Nanoreactors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 3922-3935	3.9	8
179	High-performance sandwiched hybrid solid electrolytes by coating polymer layers for all-solid-state lithium-ion batteries. <i>Rare Metals</i> , <b>2021</b> , 40, 3175	5.5	28
178	Unravelling the Mechanism of Lithium Nucleation and Growth and the Interaction with the Solid Electrolyte Interface. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1719-1728	20.1	15
177	Progress and Perspective on Rechargeable Magnesium-Sulfur Batteries.. <i>Small Methods</i> , <b>2021</b> , 5, e20013038	10.8	5
176	A Comprehensive Landscape for Fibril Association Behaviors Encoded Synergistically by Saccharides and Peptides. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6622-6633	16.4	6
175	Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 19797-19803	16.4	38
174	Self-Assembly of Plasmonic Nanoantenna-Waveguide Structures for Subdiffractional Chiral Sensing. <i>ACS Nano</i> , <b>2021</b> , 15, 351-361	16.7	8
173	Unveiling the Formation of Solid Electrolyte Interphase and its Temperature Dependence in "Water-in-Salt" Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3979-3990	9.5	6
172	Template-synthesis of a poly(ionic liquid)-derived Fe S/nitrogen-doped porous carbon membrane and its electrode application in lithium-sulfur batteries. <i>Materials Advances</i> , <b>2021</b> , 2, 5203-5212	3.3	0
171	Efficient Sulfur Host Based on Yolk-Shell Iron Oxide/Sulfide-Carbon Nanospindles for Lithium-Sulfur Batteries. <i>ChemSusChem</i> , <b>2021</b> , 14, 1404-1413	8.3	8
170	Engineering Textile Electrode and Bacterial Cellulose Nanofiber Reinforced Hydrogel Electrolyte to Enable High-Performance Flexible All-Solid-State Supercapacitors. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003010	21.8	49
169	Polydopamine-based nanoreactors: synthesis and applications in bioscience and energy materials. <i>Chemical Science</i> , <b>2020</b> , 11, 12269-12281	9.4	19
168	Hollow MoS <sub>3</sub> Nanospheres as Electrode Material for Water-in-Salt Li-Ion Batteries. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 747-756	5.6	4
167	Cryo-Electron microscopy for the study of self-assembled poly(ionic liquid) nanoparticles and protein supramolecular structures. <i>Colloid and Polymer Science</i> , <b>2020</b> , 298, 707-717	2.4	6

166	Fabrication of Pascal-triangle Lattice of Proteins by Inducing Ligand Strategy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9617-9623	16.4	8
165	Potassium-sulfur batteries: Status and perspectives. <i>EcoMat</i> , <b>2020</b> , 2, e12038	9.4	16
164	Approaching High-Performance Supercapacitors via Enhancing Pseudocapacitive Nickel Oxide-Based Materials. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 1900137	5.9	25
163	Synthesis and characterization of hydrogels containing redox-responsive 2,2,6,6-tetramethylpiperidinyloxy methacrylate and thermoresponsive N-isopropylacrylamide. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 1553-1563	2.4	1
162	Thermodynamic Analysis of the Uptake of a Protein in a Spherical Polyelectrolyte Brush. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900421	4.8	8
161	Core-Shell Nanoparticles with a Redox Polymer Core and a Silica Porous Shell as High-Performance Cathode Material for Lithium-Ion Batteries. <i>Energy Technology</i> , <b>2020</b> , 8, 1901040	3.5	1
160	Mechanism of the Oxidation of 3,3',5,5'-Tetramethylbenzidine Catalyzed by Peroxidase-Like Pt Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes: A Kinetic Study. <i>ChemPhysChem</i> , <b>2020</b> , 21, 450-458	3.2	12
159	Morphological Reversibility of Modified Li-Based Anodes for Next-Generation Batteries. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 152-161	20.1	30
158	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , <b>2020</b> , 120, 9363-9419	68.1	196
157	Isolated Ni single atoms in nitrogen doped ultrathin porous carbon templated from porous g-C <sub>3</sub> N <sub>4</sub> for high-performance CO <sub>2</sub> reduction. <i>Nano Energy</i> , <b>2020</b> , 77, 105158	17.1	40
156	Ionic organic cage-encapsulating phase-transferable metal clusters. <i>Chemical Science</i> , <b>2019</b> , 10, 1450-1456	15.4	29
155	Highly Dispersible Hexagonal Carbon-MoS <sub>2</sub> -Carbon Nanoplates with Hollow Sandwich Structures for Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 4757-4766	4.8	28
154	Prompt Electrodeposition of Ni Nanodots on Ni Foam to Construct a High-Performance Water-Splitting Electrode: Efficient, Scalable, and Recyclable. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 41	19.5	10
153	Silver nanowires with optimized silica coating as versatile plasmonic resonators. <i>Scientific Reports</i> , <b>2019</b> , 9, 3859	4.9	16
152	Poly(ethylene glycol) brush-poly(-vinylpyrrolidone)-based double hydrophilic block copolymer particles crosslinked crystalline cyclodextrin domains.. <i>RSC Advances</i> , <b>2019</b> , 9, 4993-5001	3.7	7
151	Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. <i>Langmuir</i> , <b>2019</b> , 35, 5373-5391	4	36
150	Synthesis and characterisation of redox hydrogels based on stable nitroxide radicals. <i>Soft Matter</i> , <b>2019</b> , 15, 6418-6426	3.6	11
149	Core-shell nanostructured organic redox polymer cathodes with superior performance. <i>Nano Energy</i> , <b>2019</b> , 64, 103949	17.1	14

148	Diversiform and Transformable Glyco-Nanostructures Constructed from Amphiphilic Supramolecular Metallo-carbohydrates through Hierarchical Self-Assembly: The Balance between Metallacycles and Saccharides. <i>ACS Nano</i> , <b>2019</b> , 13, 13474-13485	16.7	19
147	Enhanced Catalytic Activity of Gold@Polydopamine Nanoreactors with Multi-compartment Structure Under NIR Irradiation. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 83	19.5	7
146	Formation of NiCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2949-2953	3.6	12
145	Nanostructured Conversion-type Anode Materials for Advanced Lithium-Ion Batteries. <i>Chem</i> , <b>2018</b> , 4, 972-996	16.2	410
144	Formation of NiCo V O Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2899-2903	16.4	101
143	Correlating Morphological Evolution of Li Electrodes with Degrading Electrochemical Performance of Li/LiCoO <sub>2</sub> and Li/S Battery Systems: Investigated by Synchrotron X-ray Phase Contrast Tomography. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 356-365	20.1	50
142	Porous Iron-Cobalt Alloy/Nitrogen-Doped Carbon Cages Synthesized via Pyrolysis of Complex Metal-Organic Framework Hybrids for Oxygen Reduction. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706738	15.6	180
141	Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2018</b> , 232, 773-803	3.1	33
140	CO <sub>2</sub> -switchable response of protein microtubules: behaviour and mechanism. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1642-1646	7.8	1
139	Interaction of human serum albumin with dendritic polyglycerol sulfate: Rationalizing the thermodynamics of binding. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 163324	3.9	22
138	Formation of Ti-Fe mixed sulfide nanoboxes for enhanced electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21891-21895	13	18
137	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , <b>2018</b> , 4, eaat1687	14.3	172
136	Cu <sub>2</sub> O@PNIPAM core-shell microgels as novel inkjet materials for the preparation of CuO hollow porous nanocubes gas sensing layers. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7249-7256	7.1	7
135	Construction of Complex Co O @Co V O Hollow Structures from Metal-Organic Frameworks with Enhanced Lithium Storage Properties. <i>Advanced Materials</i> , <b>2018</b> , 30, 1702875	24	213
134	Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 172-176	16.4	375
133	Titelbild: Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution (Angew. Chem. 1/2018). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1-1	3.6	53
132	Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 178-182	3.6	50
131	Visualizing the morphological and compositional evolution of the interface of InLi-anode thio-LiSICON electrolyte in an all-solid-state LiS cell by in operando synchrotron X-ray tomography and energy dispersive diffraction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22489-22496	13	36

130	SERS and Cryo-EM Directly Reveal Different Liposome Structures during Interaction with Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 6767-6772	6.4	23
129	Self-assembly of Human Galectin-1 via dual supramolecular interactions and its inhibition of T-cell agglutination and apoptosis. <i>Nano Research</i> , <b>2018</b> , 11, 5566-5572	10	7
128	Design and fabrication of functional hybrid materials for catalytic applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2017</b> , 4, 16-22	7.9	15
127	Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. <i>Biomacromolecules</i> , <b>2017</b> , 18, 1574-1581	6.9	31
126	Scalable gas sensors fabrication to integrate metal oxide nanoparticles with well-defined shape and size. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 249, 639-646	8.5	20
125	Botanic chemistry enabled synthesis of 3D hollow metal oxides/carbon hybrids for ultra-high performance metal-ion batteries. <i>Materials Today Energy</i> , <b>2017</b> , 4, 89-96	7	6
124	Porous Ti <sub>4</sub> O <sub>7</sub> Particles with Interconnected-Pore Structure as a High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701176	15.6	97
123	Highly Ordered Self-Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assembly-Inducing Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10691-10695	16.4	46
122	General Synthetic Route toward Highly Dispersed Metal Clusters Enabled by Poly(ionic liquid)s. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8971-8976	16.4	86
121	Designed formation of hollow particle-based nitrogen-doped carbon nanofibers for high-performance supercapacitors. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1777-1783	35.4	654
120	Formation of Ni-Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703870	24	327
119	Formation of Hierarchical InS-CdInS Heterostructured Nanotubes for Efficient and Stable Visible Light CO Reduction. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17305-17308	16.4	418
118	Binder-free carbon monolith cathode material for operando investigation of high performance lithium-sulfur batteries with X-ray radiography. <i>Energy Storage Materials</i> , <b>2017</b> , 9, 96-104	19.4	21
117	Synthesis of Dispersible Mesoporous Nitrogen-Doped Hollow Carbon Nanoplates with Uniform Hexagonal Morphologies for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 29628-29636	29.5	30
116	Anchoring Nanostructured Manganese Fluoride on Few-Layer Graphene Nanosheets as Anode for Enhanced Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 1819-26	9.5	21
115	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1932-7	16.4	72
114	Biomass-mediated synthesis of carbon-supported nanostructured metal sulfides for ultra-high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2738-2745	13	19
113	Bio-inspired synthesis of N,F co-doped 3D graphitized carbon foams containing manganese fluoride nanocrystals for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2691-2698	13	31

112	High-performance lithium storage in an ultrafine manganese fluoride nanorod anode with enhanced electrochemical activation based on conversion reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 3780-7	3.6	13
111	Three-dimensional protein assemblies directed by orthogonal non-covalent interactions. <i>Chemical Communications</i> , <b>2016</b> , 52, 9687-90	5.8	5
110	In-situ Synthesis of Stabilizer-Free Gold Nanocrystals with Controllable Shape on Substrates as Highly Active Catalysts for Multiple Use. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 1440-1448	5.6	10
109	Thermosensitive Cu <sub>2</sub> O@NIPAM core-shell nanoreactors with tunable photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9677-9684	13	38
108	Spherical polyelectrolyte brushes as nanoreactors for the generation of metallic and oxidic nanoparticles: Synthesis and application in catalysis. <i>Progress in Polymer Science</i> , <b>2016</b> , 59, 86-104	29.6	53
107	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , <b>2016</b> , 16, 7295-7301	11.5	75
106	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. <i>ACS Nano</i> , <b>2016</b> , 10, 7731-7	16.7	54
105	Bioinspired Synthesis of Hierarchically Porous MoO <sub>2</sub> /Mo <sub>2</sub> C Nanocrystal Decorated N-Doped Carbon Foam for Lithium-Oxygen Batteries. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5743-5752	9.6	86
104	Wave-like free-standing NiCo <sub>2</sub> O <sub>4</sub> cathode for lithium-oxygen battery with high discharge capacity. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 593-601	8.9	33
103	Controllable assembly of two types of metal nanoparticles onto block copolymer nanospheres with ordered spatial distribution. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3382-3389	13	13
102	Kinetic analysis of the reduction of 4-nitrophenol catalyzed by Au/Pd nanoalloys immobilized in spherical polyelectrolyte brushes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 28137-43	3.6	73
101	Ligand-free Gold Nanoparticles as a Reference Material for Kinetic Modelling of Catalytic Reduction of 4-Nitrophenol. <i>Catalysis Letters</i> , <b>2015</b> , 145, 1105-1112	2.8	66
100	In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite-Polydopamine Core-Shell Nanoplates. <i>Langmuir</i> , <b>2015</b> , 31, 9483-91	4	47
99	Facile synthesis of gold/polymer nanocomposite particles using polymeric amine-based particles as dual reductants and templates. <i>Polymer</i> , <b>2015</b> , 76, 271-279	3.9	19
98	One-Step Solvothermal Synthesis of Nanostructured Manganese Fluoride as an Anode for Rechargeable Lithium-Ion Batteries and Insights into the Conversion Mechanism. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401716	21.8	83
97	Graphene nanosheets loaded with Pt nanoparticles with enhanced electrochemical performance for sodium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2568-2571	13	65
96	Air Electrode for the Lithium-Air Batteries: Materials and Structure Designs. <i>ChemPlusChem</i> , <b>2015</b> , 80, 270-287	2.8	66
95	Nonequilibrium structure of colloidal dumbbells under oscillatory shear. <i>Physical Review E</i> , <b>2015</b> , 92, 052311	2.4	5

94	Investigation of reactions between trace gases and functional CuO nanospheres and octahedrons using NEXAFS-TXM imaging. <i>Scientific Reports</i> , <b>2015</b> , 5, 17729	4.9	21
93	Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 15723-15730	3.8	30
92	Cyclodextrin modified microgels as nanoreactors for the generation of Au nanoparticles with enhanced catalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6187-6195	13	44
91	Colloidal Plastic Crystals in a Shear Field. <i>Langmuir</i> , <b>2015</b> , 31, 5992-6000	4	17
90	Enhanced performance of lithium sulfur battery with polypyrrole warped mesoporous carbon/sulfur composite. <i>Journal of Power Sources</i> , <b>2014</b> , 254, 353-359	8.9	132
89	Mesoporous carbon/sulfur composite with polyaniline coating for lithium sulfur batteries. <i>Solid State Ionics</i> , <b>2014</b> , 262, 170-173	3.3	32
88	Stimuli-responsive spherical brushes based on D-galactopyranose and 2-(dimethylamino)ethyl methacrylate. <i>Macromolecular Bioscience</i> , <b>2014</b> , 14, 81-91	5.5	19
87	Synthesis and performance of apple-like tin oxide as anode for Li-ion batteries. <i>Solid State Ionics</i> , <b>2014</b> , 262, 61-65	3.3	5
86	Hierarchical mesoporous iron-based fluoride with partially hollow structure: facile preparation and high performance as cathode material for rechargeable lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 8556-62	3.6	37
85	Hollow polyaniline sphere@sulfur composites for prolonged cycling stability of lithium@sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10350-10354	13	101
84	Size-controlled synthesis of hierarchical nanoporous iron based fluorides and their high performances in rechargeable lithium ion batteries. <i>Chemical Communications</i> , <b>2014</b> , 50, 6487-90	5.8	27
83	Kinetic Analysis of the Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 18618-18625	3.8	275
82	Enhancement of long stability of LiS battery by thin wall hollow spherical structured polypyrrole based sulfur cathode. <i>RSC Advances</i> , <b>2014</b> , 4, 21612-21618	3.7	45
81	Glyco-Inside Micelles and Vesicles Directed by Protection-Deprotection Chemistry.. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 534-539	6.6	31
80	Thermosensitive hollow Janus dumbbells. <i>Colloid and Polymer Science</i> , <b>2014</b> , 292, 1785-1793	2.4	8
79	The structure of AuPd nanoalloys anchored on spherical polyelectrolyte brushes determined by X-ray absorption spectroscopy. <i>Faraday Discussions</i> , <b>2013</b> , 162, 45-55	3.6	11
78	Silica-coated Au/Ag nanorods with tunable surface plasmon bands for nanoplasmonics with single particles. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 585-594	2.4	13
77	Thermosensitive Au-PNIPA yolk-shell particles as nanoreactors with tunable optical properties. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 231-237	2.4	17

76	Nickel nanowire network coating to alleviate interfacial polarization for Na-beta battery applications. <i>Journal of Power Sources</i> , <b>2013</b> , 240, 786-795	8.9	18
75	Electronic structure of individual hybrid colloid particles studied by near-edge X-ray absorption fine structure (NEXAFS) spectroscopy in the X-ray microscope. <i>Nano Letters</i> , <b>2013</b> , 13, 824-8	11.5	11
74	Worm-like mesoporous structured iron-based fluoride: Facile preparation and application as cathodes for rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 244, 306-311	8.9	15
73	Functional binder for high-performance LiD2 batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 244, 614-619	8.9	13
72	Flexible self-supporting grapheneSulfur paper for lithium sulfur batteries. <i>RSC Advances</i> , <b>2013</b> , 3, 2558	3.7	106
71	Adsorption of proteins to functional polymeric nanoparticles. <i>Polymer</i> , <b>2013</b> , 54, 2835-2849	3.9	81
70	Synthesis of ordered mesoporous CuCo2O4 with different textures as anode material for lithium ion battery. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 169, 242-247	5.3	73
69	Core-Shell Microgels as Nanoreactors <b>2013</b> , 113-130		
68	Oxidation of an organic dye catalyzed by MnOx nanoparticles. <i>Journal of Catalysis</i> , <b>2012</b> , 289, 80-87	7.3	44
67	Spherical polymer brushes with vinylimidazolium-type poly(ionic liquid) chains as support for metallic nanoparticles. <i>Polymer</i> , <b>2012</b> , 53, 43-49	3.9	65
66	Thermosensitive Au-PNIPA yolk-shell nanoparticles with tunable selectivity for catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2229-33	16.4	320
65	Au-TiO2 Yolk-Shell Particles for Photocatalysis Application. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2012</b> , 226, 827-835	3.1	7
64	Catalysis by metallic nanoparticles in aqueous solution: model reactions. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 5577-87	58.5	842
63	Brewster-Angle Variable Polarization Spectroscopy of Colloidal Au-Nanospheres and -Nanorods at the Silicon Surface. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 8079-8088	3.8	5
62	Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 5608-5614	3.9	39
61	A tubular polypyrrole based air electrode with improved O2 diffusivity for LiD2 batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7893	35.4	112
60	Mesoporous Co3O4 with different porosities as catalysts for the lithiumOxygen cell. <i>Solid State Ionics</i> , <b>2012</b> , 225, 598-603	3.3	49
59	Thermosensitive CoreShell Microgels: Basic Concepts and Applications <b>2012</b> , 33-61		



58	Catalytic activity of nanoalloys from gold and palladium. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 6487-95	3.6	71
57	Mesoporous carbon nitride loaded with Pt nanoparticles as a bifunctional air electrode for rechargeable lithium-air battery. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 1863-1868	2.6	61
56	Synthesis and characterization of monodisperse thermosensitive dumbbell-shaped microgels. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 1042-8	4.8	15
55	Catalytic Activity of Faceted Gold Nanoparticles Studied by a Model Reaction: Evidence for Substrate-Induced Surface Restructuring. <i>ACS Catalysis</i> , <b>2011</b> , 1, 908-916	13.1	420
54	Hybrids from Polymer Colloids and Metallic Nanoparticles: A Novel Type of Green Catalyst <b>2011</b> , 1-22		0
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