

Yan Lu

List of Publications by Year in descending order

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188
papers

18,110
citations

17440

63
h-index

12946

131
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191
all docs

191
docs citations

191
times ranked

19943
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal metal sulfide nanoparticles for high performance electrochemical energy storage systems. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 34, 100596.	5.9	3
2	Spherical Polyelectrolyte Brushes Templated Hollow C@MnO Nanospheres as Sulfur Host Materials for Liâˆ“S Batteries. <i>ChemNanoMat</i> , 2022, 8, .	2.8	2
3	Template synthesis of dual-functional porous MoS ₂ nanoparticles with photothermal conversion and catalytic properties. <i>Nanoscale</i> , 2022, 14, 6888-6901.	5.6	13
4	Promoting Mechanistic Understanding of Lithium Deposition and Solidâ€“Electrolyte Interphase (SEI) Formation Using Advanced Characterization and Simulation Methods: Recent Progress, Limitations, and Future Perspectives. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	47
5	Largeâ€“Scale Synthesis of Nanostructured Carbonâ€“Ti ₄ O ₇ Hollow Particles as Efficient Sulfur Host Materials for Multilayer Lithiumâ€“Sulfur Pouch Cells. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	8
6	Surface-Functionalized Auâ€“Pd Nanorods with Enhanced Photothermal Conversion and Catalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17259-17272.	8.0	11
7	Constructing Binderâ€“and Carbon Additiveâ€“Free Organosulfur Cathodes Based on Conducting Thiolâ€“Polymers through Electropolymerization for Lithiumâ€“Sulfur Batteries. <i>ChemSusChem</i> , 2022, 15, .	6.8	12
8	Self-Assembly of Plasmonic Nanoantennaâ€“Waveguide Structures for Subdiffractional Chiral Sensing. <i>ACS Nano</i> , 2021, 15, 351-361.	14.6	20
9	Unveiling the Formation of Solid Electrolyte Interphase and its Temperature Dependence in â€œWater-in-Saltâ€“Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3979-3990.	8.0	19
10	Template-synthesis of a poly(ionic liquid)-derived Fe _{1-x} S/nitrogen-doped porous carbon membrane and its electrode application in lithiumâ€“sulfur batteries. <i>Materials Advances</i> , 2021, 2, 5203-5212.	5.4	8
11	Efficient Sulfur Host Based on Yolkâ€“Shell Iron Oxide/Sulfideâ€“Carbon Nanospindles for Lithiumâ€“Sulfur Batteries. <i>ChemSusChem</i> , 2021, 14, 1404-1413.	6.8	27
12	Engineering Textile Electrode and Bacterial Cellulose Nanofiber Reinforced Hydrogel Electrolyte to Enable Highâ€“Performance Flexible Allâ€“Solidâ€“State Supercapacitors. <i>Advanced Energy Materials</i> , 2021, 11, 2003010.	19.5	128
13	Single-Ni Sites Embedded in Multilayer Nitrogen-Doped Graphene Derived from Amino-Functionalized MOF for Highly Selective CO ₂ Electroreduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3792-3801.	6.7	24
14	Kinetics of the Reduction of 4-Nitrophenol by Silver Nanoparticles Immobilized in Thermoresponsive Coreâ€“Shell Nanoreactors. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3922-3935.	3.7	17
15	High-performance sandwiched hybrid solid electrolytes by coating polymer layers for all-solid-state lithium-ion batteries. <i>Rare Metals</i> , 2021, 40, 3175.	7.1	72
16	Unravelling the Mechanism of Lithium Nucleation and Growth and the Interaction with the Solid Electrolyte Interface. <i>ACS Energy Letters</i> , 2021, 6, 1719-1728.	17.4	61
17	Progress and Perspective on Rechargeable Magnesiumâ€“Sulfur Batteries. <i>Small Methods</i> , 2021, 5, e2001303.	8.6	19
18	A Comprehensive Landscape for Fibril Association Behaviors Encoded Synergistically by Saccharides and Peptides. <i>Journal of the American Chemical Society</i> , 2021, 143, 6622-6633.	13.7	19

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19	Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19797-19803.	13.8	171
20	Carbon materials for stable Li metal anodes: Challenges, solutions, and outlook. , 2021, 3, 957-975.		64
21	Kinetic Study on the Adsorption of 2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane on Ag Nanoparticles in Chloroform: Implications for the Charge Transfer Complex of Ag ⁺ F ⁻ ₄ TCNQ. <i>ACS Applied Nano Materials</i> , 2021, 4, 11625-11635.	5.0	2
22	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> , 2021, 23, 26709-26720.	2.8	8
23	Thermodynamic Analysis of the Uptake of a Protein in a Spherical Polyelectrolyte Brush. <i>Macromolecular Rapid Communications</i> , 2020, 41, 1900421.	3.9	12
24	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> , 2020, 8, 1901040.	3.8	6
25	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> , 2020, 21, 450-458.	2.1	25
26	Morphological Reversibility of Modified Li-Based Anodes for Next-Generation Batteries. <i>ACS Energy Letters</i> , 2020, 5, 152-161.	17.4	53
27	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , 2020, 120, 9363-9419.	47.7	492
28	Isolated Ni single atoms in nitrogen doped ultrathin porous carbon templated from porous g-C ₃ N ₄ for high-performance CO ₂ reduction. <i>Nano Energy</i> , 2020, 77, 105158.	16.0	83
29	Polydopamine-based nanoreactors: synthesis and applications in bioscience and energy materials. <i>Chemical Science</i> , 2020, 11, 12269-12281.	7.4	44
30	Hollow MoS ₃ Nanospheres as Electrode Material for "Water-in-Salt" Li-Ion Batteries. <i>Batteries and Supercaps</i> , 2020, 3, 747-756.	4.7	15
31	Cryo-Electron microscopy for the study of self-assembled poly(ionic liquid) nanoparticles and protein supramolecular structures. <i>Colloid and Polymer Science</i> , 2020, 298, 707-717.	2.1	13
32	Fabrication of Pascal's Triangle Lattice of Proteins by Inducing Ligand Strategy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9617-9623.	13.8	14
33	Potassium-sulfur batteries: Status and perspectives. <i>EcoMat</i> , 2020, 2, e12038.	11.9	41
34	Approaching High-Performance Supercapacitors via Enhancing Pseudocapacitive Nickel Oxide-Based Materials. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900137.	5.3	49
35	Synthesis and characterization of hydrogels containing redox-responsive 2,2,6,6-tetramethylpiperidinyloxy methacrylate and thermoresponsive N-isopropylacrylamide. <i>Journal of Polymer Science</i> , 2020, 58, 1553-1563.	3.8	3
36	Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. <i>Langmuir</i> , 2019, 35, 5373-5391.	3.5	51

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37	Synthesis and characterisation of redox hydrogels based on stable nitroxide radicals. <i>Soft Matter</i> , 2019, 15, 6418-6426.	2.7	18
38	Core-shell nanostructured organic redox polymer cathodes with superior performance. <i>Nano Energy</i> , 2019, 64, 103949.	16.0	26
39	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> , 2019, 13, 13474-13485.	14.6	32
40	Enhanced Catalytic Activity of Gold@Polydopamine Nanoreactors with Multi-compartment Structure Under NIR Irradiation. <i>Nano-Micro Letters</i> , 2019, 11, 83.	27.0	17
41	Ionic organic cage-encapsulating phase-transferable metal clusters. <i>Chemical Science</i> , 2019, 10, 1450-1456.	7.4	42
42	Highly Dispersible Hexagonal Carbon@MoS ₂ @Carbon Nanoplates with Hollow Sandwich Structures for Supercapacitors. <i>Chemistry - A European Journal</i> , 2019, 25, 4757-4766.	3.3	35
43	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> , 2019, 11, 41.	27.0	24
44	Silver nanowires with optimized silica coating as versatile plasmonic resonators. <i>Scientific Reports</i> , 2019, 9, 3859.	3.3	29
45	Poly(ethylene glycol) brush- <i>b</i> -poly(<i>N</i> -vinylpyrrolidone)-based double hydrophilic block copolymer particles crosslinked <i>via</i> crystalline 1 \pm -cyclodextrin domains. <i>RSC Advances</i> , 2019, 9, 4993-5001.	3.6	8
46	Formation of NiCo ₂ V ₂ O ₈ Yolk@Double Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie</i> , 2018, 130, 2949-2953.	2.0	17
47	Nanostructured Conversion-type Anode Materials for Advanced Lithium-Ion Batteries. <i>CheM</i> , 2018, 4, 972-996.	11.7	591
48	Formation of NiCo ₂ V ₂ O ₈ Yolk@Double Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2899-2903.	13.8	131
49	Correlating Morphological Evolution of Li Electrodes with Degrading Electrochemical Performance of Li/LiCoO ₂ and Li/S Battery Systems: Investigated by Synchrotron X-ray Phase Contrast Tomography. <i>ACS Energy Letters</i> , 2018, 3, 356-365.	17.4	64
50	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> , 2018, 28, 1706738.	14.9	227
51	Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 773-803.	2.8	42
52	Construction of Complex Co ₃ O ₄ @Co ₃ V ₂ O ₈ Hollow Structures from Metal@Organic Frameworks with Enhanced Lithium Storage Properties. <i>Advanced Materials</i> , 2018, 30, 1702875.	21.0	262
53	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> , 2018, 57, 172-176.	13.8	507
54	Titelbild: Hierarchical Hollow Nanoprisms Based on Ultrathin Ni@Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution (<i>Angew. Chem.</i> 1/2018). <i>Angewandte Chemie</i> , 2018, 130, 1-1.	2.0	67

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55	Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution. <i>Angewandte Chemie</i> , 2018, 130, 178-182.	2.0	72
56	Visualizing the morphological and compositional evolution of the interface of InLi-anode thio-LISION electrolyte in an all-solid-state Li-S cell by <i>in operando</i> synchrotron X-ray tomography and energy dispersive diffraction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22489-22496.	10.3	47
57	SERS and Cryo-EM Directly Reveal Different Liposome Structures during Interaction with Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6767-6772.	4.6	33
58	Self-assembly of Human Galectin-1 via dual supramolecular interactions and its inhibition of T-cell agglutination and apoptosis. <i>Nano Research</i> , 2018, 11, 5566-5572.	10.4	9
59	CO ₂ -switchable response of protein microtubules: behaviour and mechanism. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1642-1646.	5.9	2
60	Interaction of human serum albumin with dendritic polyglycerol sulfate: Rationalizing the thermodynamics of binding. <i>Journal of Chemical Physics</i> , 2018, 149, 163324.	3.0	32
61	Formation of Ti-Fe mixed sulfide nanoboxes for enhanced electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21891-21895.	10.3	27
62	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , 2018, 4, eaat1687.	10.3	225
63	Cu ₂ 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> , 2018, 6, 7249-7256.	5.5	10
64	Design and fabrication of functional hybrid materials for catalytic applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 4, 16-22.	5.9	19
65	Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. <i>Biomacromolecules</i> , 2017, 18, 1574-1581.	5.4	37
66	Scalable gas sensors fabrication to integrate metal oxide nanoparticles with well-defined shape and size. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 639-646.	7.8	26
67	Botanic chemistry enabled synthesis of 3D hollow metal oxides/carbon hybrids for ultra-high performance metal-ion batteries. <i>Materials Today Energy</i> , 2017, 4, 89-96.	4.7	7
68	Porous Ti ₄ O ₇ Particles with Interconnected Pore Structure as a High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1701176.	14.9	127
69	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> , 2017, 56, 10691-10695.	13.8	59
70	General Synthetic Route toward Highly Dispersed Metal Clusters Enabled by Poly(ionic liquid)s. <i>Journal of the American Chemical Society</i> , 2017, 139, 8971-8976.	13.7	110
71	Designed formation of hollow particle-based nitrogen-doped carbon nanofibers for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1777-1783.	30.8	782
72	Formation of Ni-Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. <i>Advanced Materials</i> , 2017, 29, 1703870.	21.0	428

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73	Formation of Hierarchical In ₂ S ₃ @CdIn ₂ S ₄ Heterostructured Nanotubes for Efficient and Stable Visible Light CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 17305-17308.	13.7	585
74	Binder-free carbon monolith cathode material for operando investigation of high performance lithium-sulfur batteries with X-ray radiography. <i>Energy Storage Materials</i> , 2017, 9, 96-104.	18.0	23
75	Three-dimensional protein assemblies directed by orthogonal non-covalent interactions. <i>Chemical Communications</i> , 2016, 52, 9687-9690.	4.1	6
76	<i>In situ</i> Synthesis of Stabilizer-Free Gold Nanocrystals with Controllable Shape on Substrates as Highly Active Catalysts for Multiple Use. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1440-1448.	4.3	10
77	Thermosensitive Cu ₂ O@PNIPAM core-shell nanoreactors with tunable photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9677-9684.	10.3	46
78	Spherical polyelectrolyte brushes as nanoreactors for the generation of metallic and oxidic nanoparticles: Synthesis and application in catalysis. <i>Progress in Polymer Science</i> , 2016, 59, 86-104.	24.7	65
79	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , 2016, 16, 7295-7301.	9.1	90
80	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. <i>ACS Nano</i> , 2016, 10, 7731-7737.	14.6	64
81	Bioinspired Synthesis of Hierarchically Porous MoO ₂ /Mo ₂ C Nanocrystal Decorated N-Doped Carbon Foam for Lithium-Oxygen Batteries. <i>Chemistry of Materials</i> , 2016, 28, 5743-5752.	6.7	96
82	Synthesis of Dispersible Mesoporous Nitrogen-Doped Hollow Carbon Nanoplates with Uniform Hexagonal Morphologies for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29628-29636.	8.0	37
83	Anchoring Nanostructured Manganese Fluoride on Few-Layer Graphene Nanosheets as Anode for Enhanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1819-1826.	8.0	31
84	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 1932-1937.	13.7	85
85	Biomass-mediated synthesis of carbon-supported nanostructured metal sulfides for ultra-high performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2738-2745.	10.3	24
86	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> , 2016, 4, 2691-2698.	10.3	42
87	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> , 2016, 18, 3780-3787.	2.8	15
88	Nonequilibrium structure of colloidal dumbbells under oscillatory shear. <i>Physical Review E</i> , 2015, 92, 052311.	2.1	8
89	Investigation of reactions between trace gases and functional CuO nanospheres and octahedrons using NEXAFS-TXM imaging. <i>Scientific Reports</i> , 2015, 5, 17729.	3.3	29
90	Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15723-15730.	3.1	37

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91	Cyclodextrin modified microgels as "nanoreactor" for the generation of Au nanoparticles with enhanced catalytic activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6187-6195.	10.3	52
92	Colloidal Plastic Crystals in a Shear Field. <i>Langmuir</i> , 2015, 31, 5992-6000.	3.5	18
93	Frontispiece: Air Electrode for the Lithium-Air Batteries: Materials and Structure Designs. <i>ChemPlusChem</i> , 2015, 80, .	2.8	0
94	Wave-like free-standing NiCo ₂ O ₄ cathode for lithium-oxygen battery with high discharge capacity. <i>Journal of Power Sources</i> , 2015, 294, 593-601.	7.8	37
95	Controllable assembly of two types of metal nanoparticles onto block copolymer nanospheres with ordered spatial distribution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3382-3389.	10.3	16
96	Kinetic analysis of the reduction of 4-nitrophenol catalyzed by Au/Pd nanoalloys immobilized in spherical polyelectrolyte brushes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28137-28143.	2.8	83
97	Ligand-free Gold Nanoparticles as a Reference Material for Kinetic Modelling of Catalytic Reduction of 4-Nitrophenol. <i>Catalysis Letters</i> , 2015, 145, 1105-1112.	2.6	75
98	In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite "Polydopamine Core" Shell Nanoplates. <i>Langmuir</i> , 2015, 31, 9483-9491.	3.5	49
99	Facile synthesis of gold/polymer nanocomposite particles using polymeric amine-based particles as dual reductants and templates. <i>Polymer</i> , 2015, 76, 271-279.	3.8	24
100	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> , 2015, 5, 1401716.	19.5	97
101	Graphene nanosheets loaded with Pt nanoparticles with enhanced electrochemical performance for sodium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2568-2571.	10.3	76
102	Air Electrode for the Lithium-Air Batteries: Materials and Structure Designs. <i>ChemPlusChem</i> , 2015, 80, 270-287.	2.8	73
103	Enhanced performance of lithium sulfur battery with polypyrrole warped mesoporous carbon/sulfur composite. <i>Journal of Power Sources</i> , 2014, 254, 353-359.	7.8	140
104	Mesoporous carbon/sulfur composite with polyaniline coating for lithium sulfur batteries. <i>Solid State Ionics</i> , 2014, 262, 170-173.	2.7	35
105	Stimuli-Responsive Spherical Brushes Based on D-Galactopyranose and 2-(Dimethylamino)ethyl Methacrylate. <i>Macromolecular Bioscience</i> , 2014, 14, 81-91.	4.1	20
106	Synthesis and performance of apple-like tin oxide as anode for Li-ion batteries. <i>Solid State Ionics</i> , 2014, 262, 61-65.	2.7	5
107	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> , 2014, 16, 8556.	2.8	42
108	Hollow polyaniline sphere@sulfur composites for prolonged cycling stability of lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10350-10354.	10.3	114

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109	Size-controlled synthesis of hierarchical nanoporous iron based fluorides and their high performances in rechargeable lithium ion batteries. <i>Chemical Communications</i> , 2014, 50, 6487.	4.1	32
110	Kinetic Analysis of the Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18618-18625.	3.1	316
111	Enhancement of long stability of Li-S battery by thin wall hollow spherical structured polypyrrole based sulfur cathode. <i>RSC Advances</i> , 2014, 4, 21612-21618.	3.6	47
112	Glyco-Inside Micelles and Vesicles Directed by Protection-Deprotection Chemistry. <i>ACS Macro Letters</i> , 2014, 3, 534-539.	4.8	37
113	Thermosensitive hollow Janus dumbbells. <i>Colloid and Polymer Science</i> , 2014, 292, 1785-1793.	2.1	9
114	The structure of AuPd nanoalloys anchored on spherical polyelectrolyte brushes determined by X-ray absorption spectroscopy. <i>Faraday Discussions</i> , 2013, 162, 45.	3.2	12
115	Silica-coated Au/Ag nanorods with tunable surface plasmon bands for nanoplasmonics with single particles. <i>Colloid and Polymer Science</i> , 2013, 291, 585-594.	2.1	14
116	Thermosensitive Au-PNIPA yolk-shell particles as nanoreactors with tunable optical properties. <i>Colloid and Polymer Science</i> , 2013, 291, 231-237.	2.1	19
117	Nickel nanowire network coating to alleviate interfacial polarization for Na-beta battery applications. <i>Journal of Power Sources</i> , 2013, 240, 786-795.	7.8	27
118	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> , 2013, 13, 824-828.	9.1	13
119	Worm-like mesoporous structured iron-based fluoride: Facile preparation and application as cathodes for rechargeable lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 244, 306-311.	7.8	17
120	Functional binder for high-performance Li-O ₂ batteries. <i>Journal of Power Sources</i> , 2013, 244, 614-619.	7.8	14
121	Flexible self-supporting graphene-sulfur paper for lithium sulfur batteries. <i>RSC Advances</i> , 2013, 3, 2558.	3.6	115
122	Adsorption of proteins to functional polymeric nanoparticles. <i>Polymer</i> , 2013, 54, 2835-2849.	3.8	94
123	Synthesis of ordered mesoporous CuCo ₂ O ₄ with different textures as anode material for lithium ion battery. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 242-247.	4.4	80
124	Core-Shell Microgels as Nanoreactors. , 2013, , 113-130.		0
125	Au-TiO ₂ Yolk-Shell Particles for Photocatalysis Application. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 827-835.	2.8	7
126	Catalysis by metallic nanoparticles in aqueous solution: model reactions. <i>Chemical Society Reviews</i> , 2012, 41, 5577.	38.1	966

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127	Brewster-Angle Variable Polarization Spectroscopy of Colloidal Au-Nanospheres and -Nanorods at the Silicon Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8079-8088.	3.1	5
128	Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5608-5614.	3.7	41
129	A tubular polypyrrole based air electrode with improved O ₂ diffusivity for Li-O ₂ batteries. <i>Energy and Environmental Science</i> , 2012, 5, 7893.	30.8	119
130	Mesoporous Co ₃ O ₄ with different porosities as catalysts for the lithium-oxygen cell. <i>Solid State Ionics</i> , 2012, 225, 598-603.	2.7	52
131	Catalytic activity of nanoalloys from gold and palladium. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6487.	2.8	73
132	Mesoporous carbon nitride loaded with Pt nanoparticles as a bifunctional air electrode for rechargeable lithium-air battery. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1863-1868.	2.5	67
133	Synthesis and Characterization of Monodisperse Thermosensitive Dumbbell-Shaped Microgels. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1042-1048.	3.9	17
134	Oxidation of an organic dye catalyzed by MnO _x nanoparticles. <i>Journal of Catalysis</i> , 2012, 289, 80-87.	6.2	48
135	Spherical polymer brushes with vinylimidazolium-type poly(ionic liquid) chains as support for metallic nanoparticles. <i>Polymer</i> , 2012, 53, 43-49.	3.8	69
136	Thermosensitive Au-PNIPAA Shell Nanoparticles with Tunable Selectivity for Catalysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2229-2233.	13.8	350
137	Synthesis of Spherical Polyelectrolyte Brushes by Photoemulsion Polymerization with Different Photoinitiators. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 3564-3569.	3.7	13
138	Synthesis of Magnetic Spherical Polyelectrolyte Brushes. <i>Macromolecules</i> , 2011, 44, 632-639.	4.8	60
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