

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
g-index

191
all docs

191
docs citations

191
times ranked

19943
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Analysis of Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8814-8820.	3.1	1,068
2	Catalysis by metallic nanoparticles in aqueous solution: model reactions. <i>Chemical Society Reviews</i> , 2012, 41, 5577.	38.1	966
3	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
4	Thermosensitive Core-Shell Particles as Carriers for Ag Nanoparticles: Modulating the Catalytic Activity by a Phase Transition in Networks. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 813-816.	13.8	698
5	Catalytic Activity of Palladium Nanoparticles Encapsulated in Spherical Polyelectrolyte Brushes and Core-Shell Microgels. <i>Chemistry of Materials</i> , 2007, 19, 1062-1069.	6.7	662
6	Nanostructured Conversion-type Anode Materials for Advanced Lithium-Ion Batteries. <i>CheM</i> , 2018, 4, 972-996.	11.7	591
7	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
8	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
9	Catalytic Activity of Faceted Gold Nanoparticles Studied by a Model Reaction: Evidence for Substrate-Induced Surface Restructuring. <i>ACS Catalysis</i> , 2011, 1, 908-916.	11.2	504
10	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , 2020, 120, 9363-9419.	47.7	492
11	Formation of Ni-Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. <i>Advanced Materials</i> , 2017, 29, 1703870.	21.0	428
12	Smart nanoparticles: Preparation, characterization and applications. <i>Polymer</i> , 2007, 48, 1815-1823.	3.8	385
13	Thermosensitive Au-PNIPAAm Core-Shell Nanoparticles with Tunable Selectivity for Catalysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2229-2233.	13.8	350
14	High Catalytic Activity of Platinum Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes. <i>Langmuir</i> , 2005, 21, 12229-12234.	3.5	344
15	Thermosensitive Core-Shell Particles as Carrier Systems for Metallic Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3930-3937.	2.6	320
16	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
17	Thermosensitive core-shell microgels: From colloidal model systems to nanoreactors. <i>Progress in Polymer Science</i> , 2011, 36, 767-792.	24.7	275
18	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

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19	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
20	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , 2018, 4, eaat1687.	10.3	225
21	In Situ Formation of Ag Nanoparticles in Spherical Polyacrylic Acid Brushes by UV Irradiation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7676-7681.	3.1	221
22	Thermosensitive core-shell microgel as a nanoreactor for catalytic active metal nanoparticles. <i>Journal of Materials Chemistry</i> , 2009, 19, 3955.	6.7	191
23	Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19797-19803.	13.8	171
24	In Situ Growth of Catalytic Active Au-Pt Bimetallic Nanorods in Thermoresponsive Core-Shell Microgels. <i>ACS Nano</i> , 2010, 4, 7078-7086.	14.6	164
25	Synthesis and Characterization of Poly(vinylcaprolactam)-Based Microgels Exhibiting Temperature and pH-Sensitive Properties. <i>Macromolecules</i> , 2006, 39, 7701-7707.	4.8	150
26	Nano-tree-type spherical polymer brush particles as templates for metallic nanoparticles. <i>Polymer</i> , 2006, 47, 4985-4995.	3.8	143
27	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
28	Temperature-Sensitive Hybrid Microgels with Magnetic Properties. <i>Langmuir</i> , 2004, 20, 10706-10711.	3.5	135
29	Formation of NiCo ₂ V ₂ O ₈ Double Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2899-2903.	13.8	131
30	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: synthesis and characterization. <i>Polymer</i> , 2003, 44, 7821-7827.	3.8	130
31	Engineering Textile Electrode and Bacterial Cellulose Nanofiber Reinforced Hydrogel Electrolyte to Enable High-Performance Flexible All-Solid-State Supercapacitors. <i>Advanced Energy Materials</i> , 2021, 11, 2003010.	19.5	128
32	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
33	Composite Hydrogels: Robust Carriers for Catalytic Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 254-261.	2.2	123
34	A tubular polypyrrole based air electrode with improved O ₂ diffusivity for O ₂ batteries. <i>Energy and Environmental Science</i> , 2012, 5, 7893.	30.8	119
35	Flexible self-supporting graphene-sulfur paper for lithium sulfur batteries. <i>RSC Advances</i> , 2013, 3, 2558.	3.6	115
36	Multiresponsive Hybrid Colloids Based on Gold Nanorods and Poly(NIPAM-co-allylacetic acid) Microgels: Temperature- and pH-Tunable Plasmon Resonance. <i>Langmuir</i> , 2009, 25, 3163-3167.	3.5	114

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37	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
38	Preparation of Hybrid Microgels Functionalized by Silver Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2006, 27, 344-350.	3.9	110
39	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
40	Hybrid Microgels with ZnS Inclusions. <i>Macromolecules</i> , 2005, 38, 6610-6619.	4.8	104
41	Mechanism of the Formation of Amorphous Gold Nanoparticles within Spherical Polyelectrolyte Brushes. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1542-1547.	2.2	100
42	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
43	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
44	Adsorption of proteins to functional polymeric nanoparticles. <i>Polymer</i> , 2013, 54, 2835-2849.	3.8	94
45	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , 2016, 16, 7295-7301.	9.1	90
46	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
47	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
48	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
49	Supramolecular Structures Generated by Spherical Polyelectrolyte Brushes and their Application in Catalysis. <i>Macromolecular Rapid Communications</i> , 2009, 30, 806-815.	3.9	82
50	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
51	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
52	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
53	Catalytic activity of nanoalloys from gold and palladium. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6487.	2.8	73
54	Air Electrode for the Lithium-Air Batteries: Materials and Structure Designs. <i>ChemPlusChem</i> , 2015, 80, 270-287.	2.8	73

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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	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
57	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
58	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
59	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
60	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
61	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. <i>ACS Nano</i> , 2016, 10, 7731-7737.	14.6	64
62	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
63	Carbon materials for stable Li metal anodes: Challenges, solutions, and outlook. , 2021, 3, 957-975.		64
64	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 2626-2634.	6.7	63
65	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
66	Synthesis of Magnetic Spherical Polyelectrolyte Brushes. <i>Macromolecules</i> , 2011, 44, 632-639.	4.8	60
67	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
68	Microgels as Nanoreactors: Applications in Catalysis. <i>Advances in Polymer Science</i> , 2010, , 129-163.	0.8	58
69	Tuneable Catalytic Properties of Hybrid Microgels Containing Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3763-3769.	0.9	57
70	Dumbbell-Shaped Polyelectrolyte Brushes Studied by Depolarized Dynamic Light Scattering. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14843-14850.	2.6	54
71	Preparation of Polystyrene-Poly(N-isopropylacrylamide) (PS-PNIPA) Core-Shell Particles by Photoemulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2006, 27, 1137-1141.	3.9	53
72	Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Biphilic Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2009, 21, 4146-4154.	6.7	53

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73	Morphological Reversibility of Modified Li-Based Anodes for Next-Generation Batteries. ACS Energy Letters, 2020, 5, 152-161.	17.4	53
74	Mesoporous Co ₃ O ₄ with different porosities as catalysts for the lithium-oxygen cell. Solid State Ionics, 2012, 225, 598-603.	2.7	52
75	Cyclodextrin modified microgels as nanoreactors for the generation of Au nanoparticles with enhanced catalytic activity. Journal of Materials Chemistry A, 2015, 3, 6187-6195.	10.3	52
76	Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. Langmuir, 2019, 35, 5373-5391.	3.5	51
77	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 2. Incorporation of polypyrrole. Polymer, 2003, 44, 7651-7659.	3.8	50
78	In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite-Polydopamine Core-Shell Nanoplates. Langmuir, 2015, 31, 9483-9491.	3.5	49
79	Approaching High-Performance Supercapacitors via Enhancing Pseudocapacitive Nickel Oxide-Based Materials. Advanced Sustainable Systems, 2020, 4, 1900137.	5.3	49
80	Oxidation of an organic dye catalyzed by MnO _x nanoparticles. Journal of Catalysis, 2012, 289, 80-87.	6.2	48
81	Enhancement of long stability of Li-S battery by thin wall hollow spherical structured polypyrrole based sulfur cathode. RSC Advances, 2014, 4, 21612-21618.	3.6	47
82	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. Journal of Materials Chemistry A, 2018, 6, 22489-22496.	10.3	47
83	Promoting Mechanistic Understanding of Lithium Deposition and Solid-Electrolyte Interphase (SEI) Formation Using Advanced Characterization and Simulation Methods: Recent Progress, Limitations, and Future Perspectives. Advanced Energy Materials, 2022, 12, .	19.5	47
84	Thermosensitive Cu ₂ O-PNIPAM core-shell nanoreactors with tunable photocatalytic activity. Journal of Materials Chemistry A, 2016, 4, 9677-9684.	10.3	46
85	Preparation of Submicrometer-Sized Clusters from Polymer Spheres Using Ultrasonication. Langmuir, 2008, 24, 12126-12128.	3.5	45
86	Polydopamine-based nanoreactors: synthesis and applications in bioscience and energy materials. Chemical Science, 2020, 11, 12269-12281.	7.4	44
87	Design of Multicomponent Microgels by Selective Deposition of Nanomaterials. Small, 2008, 4, 2016-2024.	10.0	42
88	Well-Defined Crystalline TiO ₂ Nanoparticles Generated and Immobilized on a Colloidal Nanoreactor. Macromolecular Chemistry and Physics, 2009, 210, 377-386.	2.2	42
89	Charge-Induced Self-Assembly of 2-Dimensional Thermosensitive Microgel Particle Patterns. Langmuir, 2009, 25, 13100-13105.	3.5	42
90	Hierarchical mesoporous iron-based fluoride with partially hollow structure: facile preparation and high performance as cathode material for rechargeable lithium ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 8556.	2.8	42

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91	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
92	Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 773-803.	2.8	42
93	Ionic organic cage-encapsulating phase-transferable metal clusters. <i>Chemical Science</i> , 2019, 10, 1450-1456.	7.4	42
94	Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5608-5614.	3.7	41
95	Potassium-sulfur batteries: Status and perspectives. <i>EcoMat</i> , 2020, 2, e12038.	11.9	41
96	Dispersion polymerization of pyrrole in the presence of poly(vinyl methyl ether) microgels. <i>Polymer</i> , 2002, 43, 5723-5729.	3.8	37
97	Glyco-Inside Micelles and Vesicles Directed by Protection-Deprotection Chemistry. <i>ACS Macro Letters</i> , 2014, 3, 534-539.	4.8	37
98	Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15723-15730.	3.1	37
99	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
100	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
101	Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. <i>Biomacromolecules</i> , 2017, 18, 1574-1581.	5.4	37
102	Mesoporous carbon/sulfur composite with polyaniline coating for lithium sulfur batteries. <i>Solid State Ionics</i> , 2014, 262, 170-173.	2.7	35
103	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
104	Glycopolymer-Grafted Polystyrene Nanospheres. <i>Macromolecular Bioscience</i> , 2011, 11, 199-210.	4.1	33
105	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
106	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels. 3. Incorporation of polypyrrole by selective microgel swelling in ethanol-water mixtures. <i>Polymer</i> , 2004, 45, 1079-1087.	3.8	32
107	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
108	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

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109	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
110	Composite polypyrrole-containing particles and electrical properties of thin films prepared therefrom. <i>Polymer</i> , 2008, 49, 5002-5012.	3.8	31
111	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
112	Composites of Metal Nanoparticles and TiO ₂ Immobilized in Spherical Polyelectrolyte Brushes. <i>Langmuir</i> , 2010, 26, 4176-4183.	3.5	29
113	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
114	Silver nanowires with optimized silica coating as versatile plasmonic resonators. <i>Scientific Reports</i> , 2019, 9, 3859.	3.3	29
115	Shaping Colloidal Rutile into Thermally Stable and Porous Mesoscopic Titania Balls. <i>Small</i> , 2009, 5, 1326-1333.	10.0	28
116	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
117	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
118	Efficient Sulfur Host Based on Yolk-Shell Iron Oxide/Sulfide-Carbon Nanospindles for Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2021, 14, 1404-1413.	6.8	27
119	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
120	Core-shell nanostructured organic redox polymer cathodes with superior performance. <i>Nano Energy</i> , 2019, 64, 103949.	16.0	26
121	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
122	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
123	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
124	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
125	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
126	Preparation and Characterization of Acetoacetoxyethyl Methacrylate-Based Gels. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 2031-2039.	2.2	23

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127	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
128	Câ€C Coupling Reaction of Triphenylbismuth(V) Derivatives and Olefins in the Presence of Palladium Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 379-383.	2.0	22
129	Recyclable Spherical Polyelectrolyte Brushes Containing Magnetic Nanoparticles in Core. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1440-1443.	3.9	22
130	Thermoresponsive colloidal molecules. <i>Soft Matter</i> , 2010, 6, 1125.	2.7	20
131	Stimuli-Responsive Spherical Brushes Based on <scp>D</scp> -Galactopyranose and 2-(Dimethylamino)ethyl Methacrylate. <i>Macromolecular Bioscience</i> , 2014, 14, 81-91.	4.1	20
132	Self-Assembly of Plasmonic Nanoantennaâ€Waveguide Structures for Subdiffractional Chiral Sensing. <i>ACS Nano</i> , 2021, 15, 351-361.	14.6	20
133	Salt-Induced Aggregation of PolyelectrolyteâˆAmphiphilic Dendron Complexes in THF Solutions. <i>Langmuir</i> , 2009, 25, 2075-2080.	3.5	19
134	Synthesis of Spherical Polyelectrolyte Brushes by Thermoâ€controlled Emulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1272-1275.	3.9	19
135	Thermosensitive Au-PNIPA yolk-shell particles as â€nanoreactorsâ€with tunable optical properties. <i>Colloid and Polymer Science</i> , 2013, 291, 231-237.	2.1	19
136	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
137	Unveiling the Formation of Solid Electrolyte Interphase and its Temperature Dependence in â€Water-in-Saltâ€Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3979-3990.	8.0	19
138	Progress and Perspective on Rechargeable Magnesiumâ€Sulfur Batteries. <i>Small Methods</i> , 2021, 5, e2001303.	8.6	19
139	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
140	Synthesis and characterization of polypyrrole dispersions prepared with different dopants. <i>Macromolecular Symposia</i> , 2004, 210, 411-417.	0.7	18
141	Colloidal Plastic Crystals in a Shear Field. <i>Langmuir</i> , 2015, 31, 5992-6000.	3.5	18
142	Synthesis and characterisation of redox hydrogels based on stable nitroxide radicals. <i>Soft Matter</i> , 2019, 15, 6418-6426.	2.7	18
143	Diversified Applications of Chemically Modified 1,2â€Polybutadiene. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1157-1162.	3.9	17
144	Synthesis and Characterization of Monodisperse Thermosensitive Dumbbellâ€Shaped Microgels. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1042-1048.	3.9	17

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