

List of Publications by Citations

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183
papers

14,747
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191
ext. papers

16,497
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
183	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	3.8	938
182	Catalysis by metallic nanoparticles in aqueous solution: model reactions. <i>Chemical Society Reviews</i> , 2012 , 41, 5577-87	58.5	842
181	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, 813-6	16.4	667
180	Designed formation of hollow particle-based nitrogen-doped carbon nanofibers for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2017 , 10, 1777-1783	35.4	654
179	Catalytic Activity of Palladium Nanoparticles Encapsulated in Spherical Polyelectrolyte Brushes and Core-shell Microgels. <i>Chemistry of Materials</i> , 2007 , 19, 1062-1069	9.6	628
178	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	13.1	420
177	Formation of Hierarchical InS-CdInS Heterostructured Nanotubes for Efficient and Stable Visible Light CO Reduction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17305-17308	16.4	418
176	Nanostructured Conversion-type Anode Materials for Advanced Lithium-Ion Batteries. <i>CheM</i> , 2018 , 4, 972-996	16.2	410
175	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	16.4	375
174	Smart Nanoparticles: Preparation, characterization and applications. <i>Polymer</i> , 2007 , 48, 1815-1823	3.9	354
173	Formation of Ni-Fe Mixed Diselenide Nanocages as a Superior Oxygen Evolution Electrocatalyst. <i>Advanced Materials</i> , 2017 , 29, 1703870	24	327
172	Thermosensitive Au-PNIPA yolk-shell nanoparticles with tunable selectivity for catalysis. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2229-33	16.4	320
171	High catalytic activity of platinum nanoparticles immobilized on spherical polyelectrolyte brushes. <i>Langmuir</i> , 2005 , 21, 12229-34	4	318
170	Thermosensitive core-shell particles as carrier systems for metallic nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3930-7	3.4	303
169	Kinetic Analysis of the Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 18618-18625	3.8	275
168	Thermosensitive core-shell microgels: From colloidal model systems to nanoreactors. <i>Progress in Polymer Science</i> , 2011 , 36, 767-792	29.6	242
167	Construction of Complex Co O @Co V O Hollow Structures from Metal-Organic Frameworks with Enhanced Lithium Storage Properties. <i>Advanced Materials</i> , 2018 , 30, 1702875	24	213

166	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	3.8	209
165	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , 2020 , 120, 9363-9419	68.1	196
164	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	15.6	180
163	A pyrolyzed polyacrylonitrile/selenium disulfide composite cathode with remarkable lithium and sodium storage performances. <i>Science Advances</i> , 2018 , 4, eaat1687	14.3	172
162	Thermosensitive core-shell microgel as a nanoreactor for catalytic active metal nanoparticles. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3955		168
161	In situ growth of catalytic active Au-Pt bimetallic nanorods in thermoresponsive core-shell microgels. <i>ACS Nano</i> , 2010 , 4, 7078-86	16.7	146
160	Synthesis and Characterization of Poly(vinylcaprolactam)-Based Microgels Exhibiting Temperature and pH-Sensitive Properties. <i>Macromolecules</i> , 2006 , 39, 7701-7707	5.5	140
159	Enhanced performance of lithium sulfur battery with polypyrrole warped mesoporous carbon/sulfur composite. <i>Journal of Power Sources</i> , 2014 , 254, 353-359	8.9	132
158	Nano-tree-type spherical polymer brush particles as templates for metallic nanoparticles. <i>Polymer</i> , 2006 , 47, 4985-4995	3.9	131
157	Temperature-sensitive hybrid microgels with magnetic properties. <i>Langmuir</i> , 2004 , 20, 10706-11	4	124
156	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: synthesis and characterization. <i>Polymer</i> , 2003 , 44, 7821-7827	3.9	124
155	Composite Hydrogels: Robust Carriers for Catalytic Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 254-261	2.6	117
154	A tubular polypyrrole based air electrode with improved O ₂ diffusivity for LiO ₂ batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 7893	35.4	112
153	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, 3163-7	4	110
152	Flexible self-supporting graphene-sulfur paper for lithium sulfur batteries. <i>RSC Advances</i> , 2013 , 3, 2558	3.7	106
151	Preparation of Hybrid Microgels Functionalized by Silver Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 344-350	4.8	104
150	Formation of NiCo V O Yolk-Double Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2899-2903	16.4	101
149	Hollow polyaniline sphere@sulfur composites for prolonged cycling stability of lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10350-10354	13	101

148	Hybrid Microgels with ZnS Inclusions. <i>Macromolecules</i> , 2005 , 38, 6610-6619	5.5	101
147	Porous Ti4O7 Particles with Interconnected-Pore Structure as a High-Efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2017 , 27, 1701176	15.6	97
146	Mechanism of the Formation of Amorphous Gold Nanoparticles within Spherical Polyelectrolyte Brushes. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 1542-1547	2.6	90
145	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	16.4	86
144	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	9.6	86
143	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	21.8	83
142	Adsorption of proteins to functional polymeric nanoparticles. <i>Polymer</i> , 2013 , 54, 2835-2849	3.9	81
141	Supramolecular Structures Generated by Spherical Polyelectrolyte Brushes and their Application in Catalysis. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 806-15	4.8	77
140	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , 2016 , 16, 7295-7301	11.5	75
139	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, 28137-43	3.6	73
138	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	5.3	73
137	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1932-7	16.4	72
136	Catalytic activity of nanoalloys from gold and palladium. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6487-95	3.6	71
135	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	2.8	66
134	Air Electrode for the Lithium-Air Batteries: Materials and Structure Designs. <i>ChemPlusChem</i> , 2015 , 80, 270-287	2.8	66
133	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	13	65
132	Spherical polymer brushes with vinylimidazolium-type poly(ionic liquid) chains as support for metallic nanoparticles. <i>Polymer</i> , 2012 , 53, 43-49	3.9	65
131	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. <i>Chemistry of Materials</i> , 2010 , 22, 2626-2634	9.6	62

130	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	2.6	61
129	Synthesis of Magnetic Spherical Polyelectrolyte Brushes. <i>Macromolecules</i> , 2011 , 44, 632-639	5.5	56
128	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 7731-7	16.7	54
127	Microgels as Nanoreactors: Applications in Catalysis. <i>Advances in Polymer Science</i> , 2010 , 129-163	1.3	53
126	Tuneable catalytic properties of hybrid microgels containing gold nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3763-9	1.3	53
125	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	29.6	53
124	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> , 2018 , 130, 1-1	3.6	53
123	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	20.1	50
122	Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Biphilic Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2009 , 21, 4146-4154	9.6	50
121	Preparation of Polystyrene-Poly(N-isopropylacrylamide) (PS-PNIPA) Core-Shell Particles by Photoemulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1137-1141	4.8	50
120	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	3.6	50
119	Mesoporous Co ₃ O ₄ with different porosities as catalysts for the lithium-oxygen cell. <i>Solid State Ionics</i> , 2012 , 225, 598-603	3.3	49
118	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	21.8	49
117	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 2. Incorporation of polypyrrole. <i>Polymer</i> , 2003 , 44, 7651-7659	3.9	48
116	In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite-Polydopamine Core-Shell Nanoplates. <i>Langmuir</i> , 2015 , 31, 9483-91	4	47
115	Dumbbell-shaped polyelectrolyte brushes studied by depolarized dynamic light scattering. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14843-50	3.4	47
114	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	16.4	46
113	Enhancement of long stability of LiS battery by thin wall hollow spherical structured polypyrrole based sulfur cathode. <i>RSC Advances</i> , 2014 , 4, 21612-21618	3.7	45

112	Oxidation of an organic dye catalyzed by MnOx nanoparticles. <i>Journal of Catalysis</i> , 2012 , 289, 80-87	7.3	44
111	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	13	44
110	Preparation of submicrometer-sized clusters from polymer spheres using ultrasonication. <i>Langmuir</i> , 2008 , 24, 12126-8	4	42
109	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	17.1	40
108	Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5608-5614	3.9	39
107	Charge-induced self-assembly of 2-dimensional thermosensitive microgel particle patterns. <i>Langmuir</i> , 2009 , 25, 13100-5	4	39
106	Design of multicomponent microgels by selective deposition of nanomaterials. <i>Small</i> , 2008 , 4, 2016-24	11	38
105	Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19797-19803	16.4	38
104	Thermosensitive Cu ₂ O@NIPAM core-shell nanoreactors with tunable photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9677-9684	13	38
103	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, 8556-62	3.6	37
102	Well-Defined Crystalline TiO ₂ Nanoparticles Generated and Immobilized on a Colloidal Nanoreactor. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 377-386	2.6	37
101	Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. <i>Langmuir</i> , 2019 , 35, 5373-5391	4	36
100	Visualizing the morphological and compositional evolution of the interface of InLi-anode thio-LISiON 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> , 2018 , 6, 22489-22496	13	36
99	Dispersion polymerization of pyrrole in the presence of poly(vinyl methyl ether) microgels. <i>Polymer</i> , 2002 , 43, 5723-5729	3.9	35
98	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	8.9	33
97	Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 773-803	3.1	33
96	Mesoporous carbon/sulfur composite with polyaniline coating for lithium sulfur batteries. <i>Solid State Ionics</i> , 2014 , 262, 170-173	3.3	32
95	Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. <i>Biomacromolecules</i> , 2017 , 18, 1574-1581	6.9	31

94	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	13	31
93	Glyco-Inside Micelles and Vesicles Directed by Protection-Deprotection Chemistry.. <i>ACS Macro Letters</i> , 2014 , 3, 534-539	6.6	31
92	Glycopolymer-grafted polystyrene nanospheres. <i>Macromolecular Bioscience</i> , 2011 , 11, 199-210	5.5	31
91	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	3.9	31
90	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	8.5	30
89	Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15723-15730	3.8	30
88	Morphological Reversibility of Modified Li-Based Anodes for Next-Generation Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 152-161	20.1	30
87	Ionic organic cage-encapsulating phase-transferable metal clusters. <i>Chemical Science</i> , 2019 , 10, 1450-1456	5.4	29
86	Composite polypyrrole-containing particles and electrical properties of thin films prepared therefrom. <i>Polymer</i> , 2008 , 49, 5002-5012	3.9	29
85	Highly Dispersible Hexagonal Carbon-MoS ₂ -Carbon Nanoplates with Hollow Sandwich Structures for Supercapacitors. <i>Chemistry - A European Journal</i> , 2019 , 25, 4757-4766	4.8	28
84	Shaping colloidal rutile into thermally stable and porous mesoscopic titania balls. <i>Small</i> , 2009 , 5, 1326-3311	3.1	28
83	High-performance sandwiched hybrid solid electrolytes by coating polymer layers for all-solid-state lithium-ion batteries. <i>Rare Metals</i> , 2021 , 40, 3175	5.5	28
82	Size-controlled synthesis of hierarchical nanoporous iron based fluorides and their high performances in rechargeable lithium ion batteries. <i>Chemical Communications</i> , 2014 , 50, 6487-90	5.8	27
81	Composites of metal nanoparticles and TiO ₂ immobilized in spherical polyelectrolyte brushes. <i>Langmuir</i> , 2010 , 26, 4176-83	4	27
80	Approaching High-Performance Supercapacitors via Enhancing Pseudocapacitive Nickel Oxide-Based Materials. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900137	5.9	25
79	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	6.4	23
78	Interaction of human serum albumin with dendritic polyglycerol sulfate: Rationalizing the thermodynamics of binding. <i>Journal of Chemical Physics</i> , 2018 , 149, 163324	3.9	22
77	Preparation and Characterization of Acetoacetoxyethyl Methacrylate-Based Gels. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 2031-2039	2.6	22

76	Anchoring Nanostructured Manganese Fluoride on Few-Layer Graphene Nanosheets as Anode for Enhanced Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1819-26	9.5	21
75	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	19.4	21
74	Investigation of reactions between trace gases and functional CuO nanospheres and octahedrons using NEXAFS-TXM imaging. <i>Scientific Reports</i> , 2015 , 5, 17729	4.9	21
73	Recyclable spherical polyelectrolyte brushes containing magnetic nanoparticles in core. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1440-3	4.8	21
72	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	8.5	20
71	Facile synthesis of gold/polymer nanocomposite particles using polymeric amine-based particles as dual reductants and templates. <i>Polymer</i> , 2015 , 76, 271-279	3.9	19
70	Polydopamine-based nanoreactors: synthesis and applications in bioscience and energy materials. <i>Chemical Science</i> , 2020 , 11, 12269-12281	9.4	19
69	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	13	19
68	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	16.7	19
67	Stimuli-responsive spherical brushes based on D-galactopyranose and 2-(dimethylamino)ethyl methacrylate. <i>Macromolecular Bioscience</i> , 2014 , 14, 81-91	5.5	19
66	Formation of TiFe mixed sulfide nanoboxes for enhanced electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21891-21895	13	18
65	Nickel nanowire network coating to alleviate interfacial polarization for Na-beta battery applications. <i>Journal of Power Sources</i> , 2013 , 240, 786-795	8.9	18
64	Thermoresponsive colloidal molecules. <i>Soft Matter</i> , 2010 , 6, 1125	3.6	18
63	Synthesis of Spherical Polyelectrolyte Brushes by Thermo-controlled Emulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1272-5	4.8	18
62	C-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	2.3	18
61	Thermosensitive Au-PNIPA yolk-shell particles as nanoreactors with tunable optical properties. <i>Colloid and Polymer Science</i> , 2013 , 291, 231-237	2.4	17
60	Colloidal Plastic Crystals in a Shear Field. <i>Langmuir</i> , 2015 , 31, 5992-6000	4	17
59	Salt-induced aggregation of polyelectrolyte-amphiphilic dendron complexes in THF solutions. <i>Langmuir</i> , 2009 , 25, 2075-80	4	17

58	Synthesis and characterization of polypyrrole dispersions prepared with different dopants. <i>Macromolecular Symposia</i> , 2004 , 210, 411-417	0.8	17
57	Silver nanowires with optimized silica coating as versatile plasmonic resonators. <i>Scientific Reports</i> , 2019 , 9, 3859	4.9	16
56	Potassium-sulfur batteries: Status and perspectives. <i>EcoMat</i> , 2020 , 2, e12038	9.4	16
55	Design and fabrication of functional hybrid materials for catalytic applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017 , 4, 16-22	7.9	15
54	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	8.9	15
53	Synthesis and characterization of monodisperse thermosensitive dumbbell-shaped microgels. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1042-8	4.8	15
52	Diversified applications of chemically modified 1,2-polybutadiene. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1157-62	4.8	15
51	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	20.1	15
50	Core-shell nanostructured organic redox polymer cathodes with superior performance. <i>Nano Energy</i> , 2019 , 64, 103949	17.1	14
49	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	13	13
48	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, 3780-7	3.6	13
47	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	2.4	13
46	Functional binder for high-performance LiD ₂ batteries. <i>Journal of Power Sources</i> , 2013 , 244, 614-619	8.9	13
45	Formation of NiCo ₂ V ₂ O ₈ Yolk-Shell Spheres with Enhanced Lithium Storage Properties. <i>Angewandte Chemie</i> , 2018 , 130, 2949-2953	3.6	12
44	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	3.2	12
43	Synthesis and characterisation of redox hydrogels based on stable nitroxide radicals. <i>Soft Matter</i> , 2019 , 15, 6418-6426	3.6	11
42	The structure of AuPd nanoalloys anchored on spherical polyelectrolyte brushes determined by X-ray absorption spectroscopy. <i>Faraday Discussions</i> , 2013 , 162, 45-55	3.6	11
41	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, 824-8	11.5	11

40	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	19.5	10
39	Polymer templated nanocrystalline titania network for solid state dye sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7255		10
38	Synthesis of Spherical Polyelectrolyte Brushes by Photoemulsion Polymerization with Different Photoinitiators. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 3564-3569	3.9	10
37	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> , 2016 , 358, 1440-1448	5.6	10
36	Polymeric particles with conjugated polymer: Layer on its surface as effective adsorbents of amino acids. <i>Polymer</i> , 2006 , 47, 6536-6543	3.9	9
35	Carbon materials for stable Li metal anodes: Challenges, solutions, and outlook		9
34	Fabrication of Pascal-triangle Lattice of Proteins by Inducing Ligand Strategy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9617-9623	16.4	8
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