

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.

140
papers

10,196
citations

47
h-index

99
g-index

150
ext. papers

11,208
ext. citations

8.1
avg, IF

6.31
L-index

#	Paper	IF	Citations
140	Colloidal Metal Sulfide Nanoparticles for High Performance Electrochemical Energy Storage Systems. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022 , 34, 100596	7.9	1
139	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	3.6	1
138	Kinetics of the Reduction of 4-Nitrophenol by Silver Nanoparticles Immobilized in Thermoresponsive Core/Shell Nanoreactors. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3922-3935	3.9	8
137	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
136	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	16.4	6
135	Colloidal dispersion of poly(ionic liquid)/Cu composite particles for protective surface coating against SAR-CoV-2. <i>Nano Select</i> , 2021 ,	3.1	2
134	Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19797-19803	16.4	38
133	Self-Assembly of Plasmonic Nanoantenna-Waveguide Structures for Subdiffractional Chiral Sensing. <i>ACS Nano</i> , 2021 , 15, 351-361	16.7	8
132	Unveiling the Formation of Solid Electrolyte Interphase and its Temperature Dependence in "Water-in-Salt" Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3979-3990	9.5	6
131	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> , 2021 , 2, 5203-5212	3.3	0
130	Efficient Sulfur Host Based on Yolk-Shell Iron Oxide/Sulfide-Carbon Nanospindles for Lithium-Sulfur Batteries. <i>ChemSusChem</i> , 2021 , 14, 1404-1413	8.3	8
129	Polydopamine-based nanoreactors: synthesis and applications in bioscience and energy materials. <i>Chemical Science</i> , 2020 , 11, 12269-12281	9.4	19
128	Hollow MoS ₃ Nanospheres as Electrode Material for "Water-in-Salt" Li ⁺ Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 747-756	5.6	4
127	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	2.4	6
126	Fabrication of Pascal-triangle Lattice of Proteins by Inducing Ligand Strategy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9617-9623	16.4	8
125	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	2.4	1
124	Thermodynamic Analysis of the Uptake of a Protein in a Spherical Polyelectrolyte Brush. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900421	4.8	8

123	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	3.5	1
122	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
121	Morphological Reversibility of Modified Li-Based Anodes for Next-Generation Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 152-161	20.1	30
120	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. <i>Chemical Reviews</i> , 2020 , 120, 9363-9419	68.1	196
119	Synthetic advances of internally nanostructured polymer particles: From and beyond block copolymer. <i>Nano Select</i> , 2020 , 1, 639-658	3.1	2
118	Fabrication of Pascal-triangle Lattice of Proteins by Inducing Ligand Strategy. <i>Angewandte Chemie</i> , 2020 , 132, 9704-9710	3.6	0
117	Ionic organic cage-encapsulating phase-transferable metal clusters. <i>Chemical Science</i> , 2019 , 10, 1450-1456	5.4	29
116	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
115	Silver nanowires with optimized silica coating as versatile plasmonic resonators. <i>Scientific Reports</i> , 2019 , 9, 3859	4.9	16
114	Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. <i>Langmuir</i> , 2019 , 35, 5373-5391	4	36
113	Synthesis and characterisation of redox hydrogels based on stable nitroxide radicals. <i>Soft Matter</i> , 2019 , 15, 6418-6426	3.6	11
112	Core-shell nanostructured organic redox polymer cathodes with superior performance. <i>Nano Energy</i> , 2019 , 64, 103949	17.1	14
111	Enhanced Catalytic Activity of Gold@Polydopamine Nanoreactors with Multi-compartment Structure Under NIR Irradiation. <i>Nano-Micro Letters</i> , 2019 , 11, 83	19.5	7
110	SiC/Hf _y Ta _{1-x} C _x N _{1-x} /C ceramic nanocomposites with Hf _y Ta _{1-x} C _x N _{1-x} -carbon core-shell nanostructure and the influence of the carbon-shell thickness on electrical properties. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 855-864	7.1	25
109	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
108	Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 773-803	3.1	33
107	CO ₂ -switchable response of protein microtubules: behaviour and mechanism. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1642-1646	7.8	1
106	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

105	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	7.1	7
104	Visualizing the morphological and compositional evolution of the interface of InLi-anode thio-LISION electrolyte in an all-solid-state Li ⁺ 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
103	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	7
102	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
101	Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. <i>Biomacromolecules</i> , 2017 , 18, 1574-1581	6.9	31
100	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
99	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	15.6	97
98	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</i> , 2017 , 129, 10831-10835	3.6	7
97	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
96	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
95	Reaktitelbild: Highly Ordered Self-Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assembly-Inducing Ligands (Angew. Chem. 36/2017). <i>Angewandte Chemie</i> , 2017 , 129, 11100-11100	3.6	
94	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
93	Polymer precursor synthesis of TaC _{0.5} BiC ultrahigh temperature ceramic nanocomposites. <i>RSC Advances</i> , 2016 , 6, 88770-88776	3.7	21
92	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
91	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
90	Three-dimensional protein assemblies directed by orthogonal non-covalent interactions. <i>Chemical Communications</i> , 2016 , 52, 9687-90	5.8	5
89	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
88	Thermosensitive Cu ₂ O@PNIPAM core-shell nanoreactors with tunable photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9677-9684	13	38

87	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
86	3D Structures of Responsive Nanocompartmentalized Microgels. <i>Nano Letters</i> , 2016 , 16, 7295-7301	11.5	75
85	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. <i>ACS Nano</i> , 2016 , 10, 7731-7	16.7	54
84	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
83	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
82	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
81	In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite-Polydopamine Core-Shell Nanoplates. <i>Langmuir</i> , 2015 , 31, 9483-91	4	47
80	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
79	Nonequilibrium structure of colloidal dumbbells under oscillatory shear. <i>Physical Review E</i> , 2015 , 92, 052311	2.4	5
78	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
77	Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15723-15730	3.8	30
76	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
75	Colloidal Plastic Crystals in a Shear Field. <i>Langmuir</i> , 2015 , 31, 5992-6000	4	17
74	Stimuli-responsive spherical brushes based on D-galactopyranose and 2-(dimethylamino)ethyl methacrylate. <i>Macromolecular Bioscience</i> , 2014 , 14, 81-91	5.5	19
73	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
72	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
71	Glyco-Inside Micelles and Vesicles Directed by Protection-Deprotection Chemistry.. <i>ACS Macro Letters</i> , 2014 , 3, 534-539	6.6	31
70	Thermosensitive hollow Janus dumbbells. <i>Colloid and Polymer Science</i> , 2014 , 292, 1785-1793	2.4	8

69	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
68	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
67	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
66	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
65	Adsorption of proteins to functional polymeric nanoparticles. <i>Polymer</i> , 2013 , 54, 2835-2849	3.9	81
64	Core-Shell Microgels as Nanoreactors 2013 , 113-130		
63	Oxidation of an organic dye catalyzed by MnOx nanoparticles. <i>Journal of Catalysis</i> , 2012 , 289, 80-87	7.3	44
62	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
61	Thermosensitive Au-PNIPA yolk-shell nanoparticles with tunable selectivity for catalysis. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2229-33	16.4	320
60	Au-TiO ₂ Yolk-Shell Particles for Photocatalysis Application. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012 , 226, 827-835	3.1	7
59	Catalysis by metallic nanoparticles in aqueous solution: model reactions. <i>Chemical Society Reviews</i> , 2012 , 41, 5577-87	58.5	842
58	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	3.8	5
57	Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5608-5614	3.9	39
56	Thermosensitive Core-Shell Microgels: Basic Concepts and Applications 2012 , 33-61		
55	Catalytic activity of nanoalloys from gold and palladium. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 6487-95	3.6	71
54	Synthesis and characterization of monodisperse thermosensitive dumbbell-shaped microgels. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1042-8	4.8	15
53	Thermosensitive Au-PNIPA-Nanopartikel mit Dotter-Schale-Architektur: Katalysatoren mit einstellbarer Selektivität. <i>Angewandte Chemie</i> , 2012 , 124, 2272-2276	3.6	29
52	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

51	Hybrids from Polymer Colloids and Metallic Nanoparticles: A Novel Type of "Green" Catalyst 2011 , 1-22		0
50	Glycopolymers-grafted polystyrene nanospheres. <i>Macromolecular Bioscience</i> , 2011 , 11, 199-210	5.5	31
49	Synthesis of Spherical Polyelectrolyte Brushes by Photoemulsion Polymerization with Different Photoinitiators. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 3564-3569	3.9	10
48	Synthesis of Magnetic Spherical Polyelectrolyte Brushes. <i>Macromolecules</i> , 2011 , 44, 632-639	5.5	56
47	Thermosensitive core-shell microgels: From colloidal model systems to nanoreactors. <i>Progress in Polymer Science</i> , 2011 , 36, 767-792	29.6	242
46	Microgels as Nanoreactors: Applications in Catalysis. <i>Advances in Polymer Science</i> , 2010 , 129-163	1.3	53
45	Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. <i>Chemistry of Materials</i> , 2010 , 22, 2626-2634	9.6	62
44	Composites of metal nanoparticles and TiO ₂ immobilized in spherical polyelectrolyte brushes. <i>Langmuir</i> , 2010 , 26, 4176-83	4	27
43	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
42	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
41	Polymer templated nanocrystalline titania network for solid state dye sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7255		10
40	Thermoresponsive colloidal molecules. <i>Soft Matter</i> , 2010 , 6, 1125	3.6	18
39	Synthesis of Spherical Polyelectrolyte Brushes by Thermo-controlled Emulsion Polymerization. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1272-5	4.8	18
38	Recyclable spherical polyelectrolyte brushes containing magnetic nanoparticles in core. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1440-3	4.8	21
37	Thermosensitive Core-Shell Microgel as a Nanoreactor for Metal Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1234, 1		1
36	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
35	Supramolecular Structures Generated by Spherical Polyelectrolyte Brushes and their Application in Catalysis. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 806-15	4.8	77
34	Shaping colloidal rutile into thermally stable and porous mesoscopic titania balls. <i>Small</i> , 2009 , 5, 1326-331	11	28

33	Multiresponsive hybrid colloids based on gold nanorods and poly(NIPAM-co-allylactic acid) microgels: temperature- and pH-tunable plasmon resonance. <i>Langmuir</i> , 2009 , 25, 3163-7	4	110
32	Charge-induced self-assembly of 2-dimensional thermosensitive microgel particle patterns. <i>Langmuir</i> , 2009 , 25, 13100-5	4	39
31	Template-Directed Synthesis of Hybrid Titania Nanowires within Core-Shell Bishydrophilic Cylindrical Polymer Brushes. <i>Chemistry of Materials</i> , 2009 , 21, 4146-4154	9.6	50
30	Thermosensitive core-shell microgel as a nanoreactor for catalytic active metal nanoparticles. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3955		168
29	Preparation of submicrometer-sized clusters from polymer spheres using ultrasonication. <i>Langmuir</i> , 2008 , 24, 12126-8	4	42
28	Dumbbell-shaped polyelectrolyte brushes studied by depolarized dynamic light scattering. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14843-50	3.4	47
27	Composite polypyrrole-containing particles and electrical properties of thin films prepared therefrom. <i>Polymer</i> , 2008 , 49, 5002-5012	3.9	29
26	Design of multicomponent microgels by selective deposition of nanomaterials. <i>Small</i> , 2008 , 4, 2016-24	11	38
25	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
24	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
23	Composite Hydrogels: Robust Carriers for Catalytic Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 254-261	2.6	117
22	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
21	Smart Nanoparticles: Preparation, characterization and applications. <i>Polymer</i> , 2007 , 48, 1815-1823	3.9	354
20	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
19	Nano-tree-type spherical polymer brush particles as templates for metallic nanoparticles. <i>Polymer</i> , 2006 , 47, 4985-4995	3.9	131
18	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
17	Preparation of Hybrid Microgels Functionalized by Silver Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 344-350	4.8	104
16	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

15	Thermosensitive Kern-Schale-Partikel als Träger für Ag-Nanopartikel: Steuerung der katalytischen Aktivität mithilfe des Phasenübergangs im Netzwerk. <i>Angewandte Chemie</i> , 2006 , 118, 827-830	3.6	52
14	Tuneable catalytic properties of hybrid microgels containing gold nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3763-9	1.3	53
13	Synthesis and Characterization of Poly(vinylcaprolactam)-Based Microgels Exhibiting Temperature and pH-Sensitive Properties. <i>Macromolecules</i> , 2006 , 39, 7701-7707	5.5	140
12	Thermosensitive core-shell particles as carrier systems for metallic nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3930-7	3.4	303
11	High catalytic activity of platinum nanoparticles immobilized on spherical polyelectrolyte brushes. <i>Langmuir</i> , 2005 , 21, 12229-34	4	318
10	Hybrid Microgels with ZnS Inclusions. <i>Macromolecules</i> , 2005 , 38, 6610-6619	5.5	101
9	Temperature-sensitive hybrid microgels with magnetic properties. <i>Langmuir</i> , 2004 , 20, 10706-11	4	124
8	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
7	Synthesis and characterization of polypyrrole dispersions prepared with different dopants. <i>Macromolecular Symposia</i> , 2004 , 210, 411-417	0.8	17
6	Preparation and Characterization of Acetoacetoxyethyl Methacrylate-Based Gels. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 2031-2039	2.6	22
5	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 1. Synthesis and characterization. <i>Polymer</i> , 2003 , 44, 7821-7827	3.9	124
4	Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 2. Incorporation of polypyrrole. <i>Polymer</i> , 2003 , 44, 7651-7659	3.9	48
3	Dispersion polymerization of pyrrole in the presence of poly(vinyl methyl ether) microgels. <i>Polymer</i> , 2002 , 43, 5723-5729	3.9	35
2	Carbon materials for stable Li metal anodes: Challenges, solutions, and outlook		9
1	Promoting Mechanistic Understanding of Lithium Deposition and Solid-Electrolyte Interphase (SEI) Formation Using Advanced Characterization and Simulation Methods: Recent Progress, Limitations, and Future Perspectives. <i>Advanced Energy Materials</i> , 2200398	21.8	5