# Yan Lu

## List of Publications by Citations

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|---|---|---|---|
| 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 | Kinetic Analysis of Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. *Journal of Physical Chemistry C*, **2010**, 114, 8814-8820 | 3.8 | 938 |
| 139 | Catalysis by metallic nanoparticles in aqueous solution: model reactions. *Chemical Society Reviews*, **2012**, 41, 5577-87 | 58.5 | 842 |
| 138 | Thermosensitive core-shell particles as carriers for ag nanoparticles: modulating the catalytic activity by a phase transition in networks. *Angewandte Chemie - International Edition*, **2006**, 45, 813-6 | 16.4 | 667 |
| 137 | Catalytic Activity of Palladium Nanoparticles Encapsulated in Spherical Polyelectrolyte Brushes and Core□Shell Microgels. *Chemistry of Materials*, **2007**, 19, 1062-1069 | 9.6 | 628 |
| 136 | Catalytic Activity of Faceted Gold Nanoparticles Studied by a Model Reaction: Evidence for Substrate-Induced Surface Restructuring. *ACS Catalysis*, **2011**, 1, 908-916 | 13.1 | 420 |
| 135 | □Smart□nanoparticles: Preparation, characterization and applications. *Polymer*, **2007**, 48, 1815-1823 | 3.9 | 354 |
| 134 | Thermosensitive Au-PNIPA yolk-shell nanoparticles with tunable selectivity for catalysis. *Angewandte Chemie - International Edition*, **2012**, 51, 2229-33 | 16.4 | 320 |
| 133 | High catalytic activity of platinum nanoparticles immobilized on spherical polyelectrolyte brushes. *Langmuir*, **2005**, 21, 12229-34 | 4 | 318 |
| 132 | Thermosensitive core-shell particles as carrier systems for metallic nanoparticles. *Journal of Physical Chemistry B*, **2006**, 110, 3930-7 | 3.4 | 303 |
| 131 | Kinetic Analysis of the Catalytic Reduction of 4-Nitrophenol by Metallic Nanoparticles. *Journal of Physical Chemistry C*, **2014**, 118, 18618-18625 | 3.8 | 275 |
| 130 | Thermosensitive core□shell microgels: From colloidal model systems to nanoreactors. *Progress in Polymer Science*, **2011**, 36, 767-792 | 29.6 | 242 |
| 129 | In Situ Formation of Ag Nanoparticles in Spherical Polyacrylic Acid Brushes by UV Irradiation. *Journal of Physical Chemistry C*, **2007**, 111, 7676-7681 | 3.8 | 209 |
| 128 | Polymer-Derived Heteroatom-Doped Porous Carbon Materials. *Chemical Reviews*, **2020**, 120, 9363-9419 | 68.1 | 196 |
| 127 | Thermosensitive core-shell microgel as a □anoreactor□for catalytic active metal nanoparticles. *Journal of Materials Chemistry*, **2009**, 19, 3955 | | 168 |
| 126 | In situ growth of catalytic active Au-Pt bimetallic nanorods in thermoresponsive core-shell microgels. *ACS Nano*, **2010**, 4, 7078-86 | 16.7 | 146 |
| 125 | Synthesis and Characterization of Poly(vinylcaprolactam)-Based Microgels Exhibiting Temperature and pH-Sensitive Properties. *Macromolecules*, **2006**, 39, 7701-7707 | 5.5 | 140 |
| 124 | □Nano-tree□type spherical polymer brush particles as templates for metallic nanoparticles. *Polymer*, **2006**, 47, 4985-4995 | 3.9 | 131 |

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| 123 | Temperature-sensitive hybrid microgels with magnetic properties. *Langmuir*, **2004**, 20, 10706-11 | 4 | 124 |
| 122 | Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 1Synthesis and characterization. *Polymer*, **2003**, 44, 7821-7827 | 3.9 | 124 |
| 121 | Composite Hydrogels: Robust Carriers for Catalytic Nanoparticles. *Macromolecular Chemistry and Physics*, **2007**, 208, 254-261 | 2.6 | 117 |
| 120 | Multiresponsive hybrid colloids based on gold nanorods and poly(NIPAM-co-allylacetic acid) microgels: temperature- and pH-tunable plasmon resonance. *Langmuir*, **2009**, 25, 3163-7 | 4 | 110 |
| 119 | Preparation of Hybrid Microgels Functionalized by Silver Nanoparticles. *Macromolecular Rapid Communications*, **2006**, 27, 344-350 | 4.8 | 104 |
| 118 | Hollow polyaniline sphere@sulfur composites for prolonged cycling stability of lithiumSulfur batteries. *Journal of Materials Chemistry A*, **2014**, 2, 10350-10354 | 13 | 101 |
| 117 | Hybrid Microgels with ZnS Inclusions. *Macromolecules*, **2005**, 38, 6610-6619 | 5.5 | 101 |
| 116 | Porous Ti4O7 Particles with Interconnected-Pore Structure as a High-Efficiency Polysulfide Mediator for LithiumSulfur Batteries. *Advanced Functional Materials*, **2017**, 27, 1701176 | 15.6 | 97 |
| 115 | Mechanism of the Formation of Amorphous Gold Nanoparticles within Spherical Polyelectrolyte Brushes. *Macromolecular Chemistry and Physics*, **2007**, 208, 1542-1547 | 2.6 | 90 |
| 114 | General Synthetic Route toward Highly Dispersed Metal Clusters Enabled by Poly(ionic liquid)s. *Journal of the American Chemical Society*, **2017**, 139, 8971-8976 | 16.4 | 86 |
| 113 | Adsorption of proteins to functional polymeric nanoparticles. *Polymer*, **2013**, 54, 2835-2849 | 3.9 | 81 |
| 112 | Supramolecular Structures Generated by Spherical Polyelectrolyte Brushes and their Application in Catalysis. *Macromolecular Rapid Communications*, **2009**, 30, 806-15 | 4.8 | 77 |
| 111 | 3D Structures of Responsive Nanocompartmentalized Microgels. *Nano Letters*, **2016**, 16, 7295-7301 | 11.5 | 75 |
| 110 | Kinetic analysis of the reduction of 4-nitrophenol catalyzed by Au/Pd nanoalloys immobilized in spherical polyelectrolyte brushes. *Physical Chemistry Chemical Physics*, **2015**, 17, 28137-43 | 3.6 | 73 |
| 109 | Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. *Journal of the American Chemical Society*, **2016**, 138, 1932-7 | 16.4 | 72 |
| 108 | Catalytic activity of nanoalloys from gold and palladium. *Physical Chemistry Chemical Physics*, **2012**, 14, 6487-95 | 3.6 | 71 |
| 107 | Ligand-free Gold Nanoparticles as a Reference Material for Kinetic Modelling of Catalytic Reduction of 4-Nitrophenol. *Catalysis Letters*, **2015**, 145, 1105-1112 | 2.8 | 66 |
| 106 | Spherical polymer brushes with vinylimidazolium-type poly(ionic liquid) chains as support for metallic nanoparticles. *Polymer*, **2012**, 53, 43-49 | 3.9 | 65 |

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| 105 | Stimuli-Responsive Organosilica Hybrid Nanowires Decorated with Metal Nanoparticles. *Chemistry of Materials*, **2010**, 22, 2626-2634 | 9.6 | 62 |
| 104 | Synthesis of Magnetic Spherical Polyelectrolyte Brushes. *Macromolecules*, **2011**, 44, 632-639 | 5.5 | 56 |
| 103 | Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. *ACS Nano*, **2016**, 10, 7731-7 | 16.7 | 54 |
| 102 | Microgels as Nanoreactors: Applications in Catalysis. *Advances in Polymer Science*, **2010**, 129-163 | 1.3 | 53 |
| 101 | Tuneable catalytic properties of hybrid microgels containing gold nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 3763-9 | 1.3 | 53 |
| 100 | Spherical polyelectrolyte brushes as nanoreactors for the generation of metallic and oxidic nanoparticles: Synthesis and application in catalysis. *Progress in Polymer Science*, **2016**, 59, 86-104 | 29.6 | 53 |
| 99 | Thermosensitive Kern-Schale-Partikel als Träger für Ag-Nanopartikel: Steuerung der katalytischen Aktivität mithilfe des Phasenübergangs im Netzwerk. *Angewandte Chemie*, **2006**, 118, 827-830 | 3.6 | 52 |
| 98 | Correlating Morphological Evolution of Li Electrodes with Degrading Electrochemical Performance of Li/LiCoO2 and Li/S Battery Systems: Investigated by Synchrotron X-ray Phase Contrast Tomography. *ACS Energy Letters*, **2018**, 3, 356-365 | 20.1 | 50 |
| 97 | Template-Directed Synthesis of Hybrid Titania Nanowires within Core–Shell Bishydrophilic Cylindrical Polymer Brushes. *Chemistry of Materials*, **2009**, 21, 4146-4154 | 9.6 | 50 |
| 96 | Preparation of Polystyrene-Poly(N-isopropylacrylamide) (PS-PNIPA) Core-Shell Particles by Photoemulsion Polymerization. *Macromolecular Rapid Communications*, **2006**, 27, 1137-1141 | 4.8 | 50 |
| 95 | Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 2. Incorporation of polypyrrole. *Polymer*, **2003**, 44, 7651-7659 | 3.9 | 48 |
| 94 | In Situ Synthesis of Catalytic Active Au Nanoparticles onto Gibbsite-Polydopamine Core-Shell Nanoplates. *Langmuir*, **2015**, 31, 9483-91 | 4 | 47 |
| 93 | Dumbbell-shaped polyelectrolyte brushes studied by depolarized dynamic light scattering. *Journal of Physical Chemistry B*, **2008**, 112, 14843-50 | 3.4 | 47 |
| 92 | Highly Ordered Self-Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assembly-Inducing Ligands. *Angewandte Chemie - International Edition*, **2017**, 56, 10691-10695 | 16.4 | 46 |
| 91 | Oxidation of an organic dye catalyzed by MnOx nanoparticles. *Journal of Catalysis*, **2012**, 289, 80-87 | 7.3 | 44 |
| 90 | Cyclodextrin modified microgels as "nanoreactors" for the generation of Au nanoparticles with enhanced catalytic activity. *Journal of Materials Chemistry A*, **2015**, 3, 6187-6195 | 13 | 44 |
| 89 | Preparation of submicrometer-sized clusters from polymer spheres using ultrasonication. *Langmuir*, **2008**, 24, 12126-8 | 4 | 42 |
| 88 | Recoverable Platinum Nanocatalysts Immobilized on Magnetic Spherical Polyelectrolyte Brushes. *Industrial & Engineering Chemistry Research*, **2012**, 51, 5608-5614 | 3.9 | 39 |

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| 87 | Charge-induced self-assembly of 2-dimensional thermosensitive microgel particle patterns. *Langmuir*, **2009**, 25, 13100-5 | 4 | 39 |
| 86 | Design of multicomponent microgels by selective deposition of nanomaterials. *Small*, **2008**, 4, 2016-24 | 11 | 38 |
| 85 | Protonated Imine-Linked Covalent Organic Frameworks for Photocatalytic Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2021**, 60, 19797-19803 | 16.4 | 38 |
| 84 | Thermosensitive Cu2O□PNIPAM core□shell nanoreactors with tunable photocatalytic activity. *Journal of Materials Chemistry A*, **2016**, 4, 9677-9684 | 13 | 38 |
| 83 | Well-Defined Crystalline TiO2 Nanoparticles Generated and Immobilized on a Colloidal Nanoreactor. *Macromolecular Chemistry and Physics*, **2009**, 210, 377-386 | 2.6 | 37 |
| 82 | Interaction of Proteins with Polyelectrolytes: Comparison of Theory to Experiment. *Langmuir*, **2019**, 35, 5373-5391 | 4 | 36 |
| 81 | Visualizing the morphological and compositional evolution of the interface of InLi-anode\|thio-LISION electrolyte in an all-solid-state Li□S cell by in operando synchrotron X-ray tomography and energy dispersive diffraction. *Journal of Materials Chemistry A*, **2018**, 6, 22489-22496 | 13 | 36 |
| 80 | Dispersion polymerization of pyrrole in the presence of poly(vinyl methyl ether) microgels. *Polymer*, **2002**, 43, 5723-5729 | 3.9 | 35 |
| 79 | Catalysis by Metallic Nanoparticles in Solution: Thermosensitive Microgels as Nanoreactors. *Zeitschrift Fur Physikalische Chemie*, **2018**, 232, 773-803 | 3.1 | 33 |
| 78 | Protein Immobilization onto Cationic Spherical Polyelectrolyte Brushes Studied by Small Angle X-ray Scattering. *Biomacromolecules*, **2017**, 18, 1574-1581 | 6.9 | 31 |
| 77 | Glyco-Inside Micelles and Vesicles Directed by Protection-Deprotection Chemistry.. *ACS Macro Letters*, **2014**, 3, 534-539 | 6.6 | 31 |
| 76 | Glycopolymer-grafted polystyrene nanospheres. *Macromolecular Bioscience*, **2011**, 11, 199-210 | 5.5 | 31 |
| 75 | Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels. 3. Incorporation of polypyrrole by selective microgel swelling in ethanol□water mixtures. *Polymer*, **2004**, 45, 1079-1087 | 3.9 | 31 |
| 74 | Synthesis of Dispersible Mesoporous Nitrogen-Doped Hollow Carbon Nanoplates with Uniform Hexagonal Morphologies for Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 29628-29636 | 8.5 | 30 |
| 73 | Theory of Solvation-Controlled Reactions in Stimuli-Responsive Nanoreactors. *Journal of Physical Chemistry C*, **2015**, 119, 15723-15730 | 3.8 | 30 |
| 72 | Morphological Reversibility of Modified Li-Based Anodes for Next-Generation Batteries. *ACS Energy Letters*, **2020**, 5, 152-161 | 20.1 | 30 |
| 71 | Ionic organic cage-encapsulating phase-transferable metal clusters. *Chemical Science*, **2019**, 10, 1450-1456 | 9.4 | 29 |
| 70 | Thermosensitive Au-PNIPA-Nanopartikel mit □Dotter-Schale□-Architektur: Katalysatoren mit einstellbarer Selektivität. *Angewandte Chemie*, **2012**, 124, 2272-2276 | 3.6 | 29 |

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| 69 | Composite polypyrrole-containing particles and electrical properties of thin films prepared therefrom. *Polymer*, **2008**, 49, 5002-5012 | 3.9 | 29 |
| 68 | Highly Dispersible Hexagonal Carbon-MoS -Carbon Nanoplates with Hollow Sandwich Structures for Supercapacitors. *Chemistry - A European Journal*, **2019**, 25, 4757-4766 | 4.8 | 28 |
| 67 | Shaping colloidal rutile into thermally stable and porous mesoscopic titania balls. *Small*, **2009**, 5, 1326-33 | 11 | 28 |
| 66 | Composites of metal nanoparticles and TiO2 immobilized in spherical polyelectrolyte brushes. *Langmuir*, **2010**, 26, 4176-83 | 4 | 27 |
| 65 | SiC/HfyTa1−yCxN1−x/C ceramic nanocomposites with HfyTa1−yCxN1−x-carbon core−shell nanostructure and the influence of the carbon-shell thickness on electrical properties. *Journal of Materials Chemistry C*, **2018**, 6, 855-864 | 7.1 | 25 |
| 64 | Interaction of human serum albumin with dendritic polyglycerol sulfate: Rationalizing the thermodynamics of binding. *Journal of Chemical Physics*, **2018**, 149, 163324 | 3.9 | 22 |
| 63 | Preparation and Characterization of Acetoacetoxyethyl Methacrylate-Based Gels. *Macromolecular Chemistry and Physics*, **2003**, 204, 2031-2039 | 2.6 | 22 |
| 62 | Polymer precursor synthesis of TaC−SiC ultrahigh temperature ceramic nanocomposites. *RSC Advances*, **2016**, 6, 88770-88776 | 3.7 | 21 |
| 61 | Binder-free carbon monolith cathode material for operando investigation of high performance lithium-sulfur batteries with X-ray radiography. *Energy Storage Materials*, **2017**, 9, 96-104 | 19.4 | 21 |
| 60 | Investigation of reactions between trace gases and functional CuO nanospheres and octahedrons using NEXAFS-TXM imaging. *Scientific Reports*, **2015**, 5, 17729 | 4.9 | 21 |
| 59 | Recyclable spherical polyelectrolyte brushes containing magnetic nanoparticles in core. *Macromolecular Rapid Communications*, **2010**, 31, 1440-3 | 4.8 | 21 |
| 58 | Scalable gas sensors fabrication to integrate metal oxide nanoparticles with well-defined shape and size. *Sensors and Actuators B: Chemical*, **2017**, 249, 639-646 | 8.5 | 20 |
| 57 | Facile synthesis of gold/polymer nanocomposite particles using polymeric amine-based particles as dual reductants and templates. *Polymer*, **2015**, 76, 271-279 | 3.9 | 19 |
| 56 | Polydopamine-based nanoreactors: synthesis and applications in bioscience and energy materials. *Chemical Science*, **2020**, 11, 12269-12281 | 9.4 | 19 |
| 55 | Stimuli-responsive spherical brushes based on D-galactopyranose and 2-(dimethylamino)ethyl methacrylate. *Macromolecular Bioscience*, **2014**, 14, 81-91 | 5.5 | 19 |
| 54 | Thermoresponsive colloidal molecules. *Soft Matter*, **2010**, 6, 1125 | 3.6 | 18 |
| 53 | Synthesis of Spherical Polyelectrolyte Brushes by Thermo-controlled Emulsion Polymerization. *Macromolecular Rapid Communications*, **2010**, 31, 1272-5 | 4.8 | 18 |
| 52 | C−C Coupling Reaction of Triphenylbismuth(V) Derivatives and Olefins in the Presence of Palladium Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes. *European Journal of Inorganic Chemistry*, **2008**, 2008, 379-383 | 2.3 | 18 |

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| 51 | Thermosensitive Au-PNIPA yolk-shell particles as nanoreactors with tunable optical properties. *Colloid and Polymer Science*, **2013**, 291, 231-237 | 2.4 | 17 |
| 50 | Colloidal Plastic Crystals in a Shear Field. *Langmuir*, **2015**, 31, 5992-6000 | 4 | 17 |
| 49 | Synthesis and characterization of polypyrrole dispersions prepared with different dopants. *Macromolecular Symposia*, **2004**, 210, 411-417 | 0.8 | 17 |
| 48 | Silver nanowires with optimized silica coating as versatile plasmonic resonators. *Scientific Reports*, **2019**, 9, 3859 | 4.9 | 16 |
| 47 | Design and fabrication of functional hybrid materials for catalytic applications. *Current Opinion in Green and Sustainable Chemistry*, **2017**, 4, 16-22 | 7.9 | 15 |
| 46 | Synthesis and characterization of monodisperse thermosensitive dumbbell-shaped microgels. *Macromolecular Rapid Communications*, **2012**, 33, 1042-8 | 4.8 | 15 |
| 45 | Unravelling the Mechanism of Lithium Nucleation and Growth and the Interaction with the Solid Electrolyte Interface. *ACS Energy Letters*, **2021**, 6, 1719-1728 | 20.1 | 15 |
| 44 | Core-shell nanostructured organic redox polymer cathodes with superior performance. *Nano Energy*, **2019**, 64, 103949 | 17.1 | 14 |
| 43 | Controllable assembly of two types of metal nanoparticles onto block copolymer nanospheres with ordered spatial distribution. *Journal of Materials Chemistry A*, **2015**, 3, 3382-3389 | 13 | 13 |
| 42 | Silica-coated Au/Ag nanorods with tunable surface plasmon bands for nanoplasmonics with single particles. *Colloid and Polymer Science*, **2013**, 291, 585-594 | 2.4 | 13 |
| 41 | Mechanism of the Oxidation of 3,3',5,5'-Tetramethylbenzidine Catalyzed by Peroxidase-Like Pt Nanoparticles Immobilized in Spherical Polyelectrolyte Brushes: A Kinetic Study. *ChemPhysChem*, **2020**, 21, 450-458 | 3.2 | 12 |
| 40 | Synthesis and characterisation of redox hydrogels based on stable nitroxide radicals. *Soft Matter*, **2019**, 15, 6418-6426 | 3.6 | 11 |
| 39 | The structure of AuPd nanoalloys anchored on spherical polyelectrolyte brushes determined by X-ray absorption spectroscopy. *Faraday Discussions*, **2013**, 162, 45-55 | 3.6 | 11 |
| 38 | Electronic structure of individual hybrid colloid particles studied by near-edge X-ray absorption fine structure (NEXAFS) spectroscopy in the X-ray microscope. *Nano Letters*, **2013**, 13, 824-8 | 11.5 | 11 |
| 37 | Polymer templated nanocrystalline titania network for solid state dye sensitized solar cells. *Journal of Materials Chemistry*, **2010**, 20, 7255 | | 10 |
| 36 | Synthesis of Spherical Polyelectrolyte Brushes by Photoemulsion Polymerization with Different Photoinitiators. *Industrial & Engineering Chemistry Research*, **2011**, 50, 3564-3569 | 3.9 | 10 |
| 35 | In-situ Synthesis of Stabilizer-Free Gold Nanocrystals with Controllable Shape on Substrates as Highly Active Catalysts for Multiple Use. *Advanced Synthesis and Catalysis*, **2016**, 358, 1440-1448 | 5.6 | 10 |
| 34 | Carbon materials for stable Li metal anodes: Challenges, solutions, and outlook | | 9 |

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| 33 | Fabrication of Pascal-triangle Lattice of Proteins by Inducing Ligand Strategy. *Angewandte Chemie - International Edition*, **2020**, 59, 9617-9623 | 16.4 | 8 |
| 32 | Thermosensitive hollow Janus dumbbells. *Colloid and Polymer Science*, **2014**, 292, 1785-1793 | 2.4 | 8 |
| 31 | Thermodynamic Analysis of the Uptake of a Protein in a Spherical Polyelectrolyte Brush. *Macromolecular Rapid Communications*, **2020**, 41, e1900421 | 4.8 | 8 |
| 30 | Kinetics of the Reduction of 4-Nitrophenol by Silver Nanoparticles Immobilized in Thermoresponsive Core−Shell Nanoreactors. *Industrial & Engineering Chemistry Research*, **2021**, 60, 3922-3935 | 3.9 | 8 |
| 29 | Self-Assembly of Plasmonic Nanoantenna-Waveguide Structures for Subdiffractional Chiral Sensing. *ACS Nano*, **2021**, 15, 351-361 | 16.7 | 8 |
| 28 | Efficient Sulfur Host Based on Yolk-Shell Iron Oxide/Sulfide-Carbon Nanospindles for Lithium-Sulfur Batteries. *ChemSusChem*, **2021**, 14, 1404-1413 | 8.3 | 8 |
| 27 | Highly Ordered Self-Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assembly-Inducing Ligands. *Angewandte Chemie*, **2017**, 129, 10831-10835 | 3.6 | 7 |
| 26 | Cu2O@PNIPAM core−shell microgels as novel inkjet materials for the preparation of CuO hollow porous nanocubes gas sensing layers. *Journal of Materials Chemistry C*, **2018**, 6, 7249-7256 | 7.1 | 7 |
| 25 | Enhanced Catalytic Activity of Gold@Polydopamine Nanoreactors with Multi-compartment Structure Under NIR Irradiation. *Nano-Micro Letters*, **2019**, 11, 83 | 19.5 | 7 |
| 24 | Au-TiO2 Yolk-Shell Particles for Photocatalysis Application. *Zeitschrift Fur Physikalische Chemie*, **2012**, 226, 827-835 | 3.1 | 7 |
| 23 | Self-assembly of Human Galectin-1 via dual supramolecular interactions and its inhibition of T-cell agglutination and apoptosis. *Nano Research*, **2018**, 11, 5566-5572 | 10 | 7 |
| 22 | Cryo-Electron microscopy for the study of self-assembled poly(ionic liquid) nanoparticles and protein supramolecular structures. *Colloid and Polymer Science*, **2020**, 298, 707-717 | 2.4 | 6 |
| 21 | A Comprehensive Landscape for Fibril Association Behaviors Encoded Synergistically by Saccharides and Peptides. *Journal of the American Chemical Society*, **2021**, 143, 6622-6633 | 16.4 | 6 |
| 20 | Unveiling the Formation of Solid Electrolyte Interphase and its Temperature Dependence in "Water-in-Salt" Supercapacitors. *ACS Applied Materials & Interfaces*, **2021**, 13, 3979-3990 | 9.5 | 6 |
| 19 | Nonequilibrium structure of colloidal dumbbells under oscillatory shear. *Physical Review E*, **2015**, 92, 052311 | 2.4 | 5 |
| 18 | Brewster-Angle Variable Polarization Spectroscopy of Colloidal Au-Nanospheres and -Nanorods at the Silicon Surface. *Journal of Physical Chemistry C*, **2012**, 116, 8079-8088 | 3.8 | 5 |
| 17 | Three-dimensional protein assemblies directed by orthogonal non-covalent interactions. *Chemical Communications*, **2016**, 52, 9687-90 | 5.8 | 5 |
| 16 | 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*,2200398 | 21.8 | 5 |

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| 15 | Hollow MoS3 Nanospheres as Electrode Material for Water-in-Salt Li-Ion Batteries. *Batteries and Supercaps*, **2020**, 3, 747-756 | 5.6 | 4 |
| 14 | Synthetic advances of internally nanostructured polymer particles: From and beyond block copolymer. *Nano Select*, **2020**, 1, 639-658 | 3.1 | 2 |
| 13 | Colloidal dispersion of poly(ionic liquid)/Cu composite particles for protective surface coating against SAR-CoV-2. *Nano Select*, **2021**, | 3.1 | 2 |
| 12 | Synthesis and characterization of hydrogels containing redox-responsive 2,2,6,6-tetramethylpiperidinyloxy methacrylate and thermoresponsive N-isopropylacrylamide. *Journal of Polymer Science*, **2020**, 58, 1553-1563 | 2.4 | 1 |
| 11 | CO2-switchable response of protein microtubules: behaviour and mechanism. *Materials Chemistry Frontiers*, **2018**, 2, 1642-1646 | 7.8 | 1 |
| 10 | Thermosensitive Core-Shell Microgel as a Nanoreactor for Metal Nanoparticles. *Materials Research Society Symposia Proceedings*, **2009**, 1234, 1 | | 1 |
| 9 | Colloidal Metal Sulfide Nanoparticles for High Performance Electrochemical Energy Storage Systems. *Current Opinion in Green and Sustainable Chemistry*, **2022**, 34, 100596 | 7.9 | 1 |
| 8 | Combined first-principles statistical mechanics approach to sulfur structure in organic cathode hosts for polymer based lithium-sulfur (Li-S) batteries. *Physical Chemistry Chemical Physics*, **2021**, 23, 26709-26720 | 3.6 | 1 |
| 7 | Core-Shell Nanoparticles with a Redox Polymer Core and a Silica Porous Shell as High-Performance Cathode Material for Lithium-Ion Batteries. *Energy Technology*, **2020**, 8, 1901040 | 3.5 | 1 |
| 6 | Hybrids from Polymer Colloids and Metallic Nanoparticles: A Novel Type of Green Catalyst **2011**, 1-22 | | 0 |
| 5 | Fabrication of Pascal-triangle Lattice of Proteins by Inducing Ligand Strategy. *Angewandte Chemie*, **2020**, 132, 9704-9710 | 3.6 | 0 |
| 4 | Template-synthesis of a poly(ionic liquid)-derived Fe S/nitrogen-doped porous carbon membrane and its electrode application in lithium-sulfur batteries. *Materials Advances*, **2021**, 2, 5203-5212 | 3.3 | 0 |
| 3 | Rücktitelbild: 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). *Angewandte Chemie*, **2017**, 129, 11100-11100 | 3.6 | |
| 2 | Thermosensitive Core-Shell Microgels: Basic Concepts and Applications **2012**, 33-61 | | |
| 1 | Core-Shell Microgels as Nanoreactors **2013**, 113-130 | | |