Yajun Wang

List of Publications by Year in Descending Order

78 papers	7,808 citations	43 h-index	80 g-index
80 ext. papers	8,203 ext. citations	11.5 avg, IF	5.99 L-index

#	Paper	IF	Citations
78	Targeted delivery of LM22A-4 by cubosomes protects retinal ganglion cells in an experimental glaucoma model. *Acta Biomaterialia*, **2021**, 126, 433-444	10.8	3
77	One-pot synthesis of few-layered molybdenum disulfide anchored on N, S-codoped carbon for enhanced hydrogen generation. *Materials Today Energy*, **2021**, 19, 100600	7	2
76	Polylysine-modified MXene nanosheets with highly loaded glucose oxidase as cascade nanoreactor for glucose decomposition and electrochemical sensing. *Journal of Colloid and Interface Science*, **2021**, 586, 20-29	9.3	18
75	MoC nanodots toward efficient electrocatalytic hydrogen evolution: an interlayer-confined strategy with a 2D-zeolite precursor. *Journal of Materials Chemistry A*, **2021**, 9, 4724-4733	13	7
74	Engineering of dendritic mesoporous silica nanoparticles for efficient delivery of water-insoluble paclitaxel in cancer therapy. *Journal of Colloid and Interface Science*, **2021**, 593, 424-433	9.3	11
73	Hierarchically porous graphitic carbon membrane with homogeneously encapsulated metallic nanoparticles as monolith electrodes for high-performance electrocatalysis and sensing. *Journal of Colloid and Interface Science*, **2020**, 570, 223-231	9.3	1
72	Phytantriol-Based Cubosome Formulation as an Antimicrobial against Lipopolysaccharide-Deficient Gram-Negative Bacteria. *ACS Applied Materials & Interfaces*, **2020**, 12, 44485-44498	9.5	6
71	Template-Free Synthesis of Chemically Asymmetric Silica Nanotubes for Selective Cargo Loading and Sustained Drug Release. *Chemistry of Materials*, **2019**, 31, 4291-4298	9.6	12
70	A Yolk‐Shell Nanoplatform for Gene-Silencing-Enhanced Photolytic Ablation of Cancer. *Advanced Functional Materials*, **2018**, 28, 1706398	15.6	14
69	Silica nanowires with tunable hydrophobicity for lipase immobilization and biocatalytic membrane assembly. *Journal of Colloid and Interface Science*, **2018**, 531, 555-563	9.3	19
68	Nuclear-Targeted Multifunctional Magnetic Nanoparticles for Photothermal Therapy. *Advanced Healthcare Materials*, **2017**, 6, 1601289	10.1	82
67	3-Dimensional stable polyelectrolyte hollow capsules: preparation and spontaneous encapsulation. *RSC Advances*, **2017**, 7, 1260-1265	3.7	2
66	Near-Infrared Laser-Triggered Nitric Oxide Nanogenerators for the Reversal of Multidrug Resistance in Cancer. *Advanced Functional Materials*, **2017**, 27, 1606398	15.6	116
65	A Partially Graphitic Mesoporous Carbon Membrane with Three-Dimensionally Networked Nanotunnels for Ultrasensitive Electrochemical Detection. *Chemistry of Materials*, **2017**, 29, 5286-5293	9.6	30
64	Silica nanowire assemblies as three-dimensional, optically transparent platforms for constructing highly active SERS substrates. *Nanoscale*, **2017**, 9, 15901-15910	7.7	19
63	Coordination-Induced Assembly of Intelligent Polysaccharide-Based Phototherapeutic Nanoparticles for Cancer Treatment. *Advanced Healthcare Materials*, **2016**, 5, 3099-3104	10.1	27
62	Synthesis of Chemically Asymmetric Silica Nanobottles and Their Application for Cargo Loading and as Nanoreactors and Nanomotors. *Angewandte Chemie - International Edition*, **2016**, 55, 14733-14737	16.4	64

61	Synthesis of Chemically Asymmetric Silica Nanobottles and Their Application for Cargo Loading and as Nanoreactors and Nanomotors. *Angewandte Chemie*, **2016**, 128, 14953-14957	3.6	17
60	Nanostructured Porous Materials for Biosensor Applications **2016**, 245-290		1
59	Improved Auditory Nerve Survival with Nanoengineered Supraparticles for Neurotrophin Delivery into the Deafened Cochlea. *PLoS ONE*, **2016**, 11, e0164867	3.7	43
58	Synthesis of Discrete Alkyl-Silica Hybrid Nanowires and Their Assembly into Nanostructured Superhydrophobic Membranes. *Angewandte Chemie*, **2016**, 128, 8515-8520	3.6	15
57	Synthesis of Discrete Alkyl-Silica Hybrid Nanowires and Their Assembly into Nanostructured Superhydrophobic Membranes. *Angewandte Chemie - International Edition*, **2016**, 55, 8375-80	16.4	54
56	Redox stimuli-responsive hollow mesoporous silica nanocarriers for targeted drug delivery in cancer therapy. *Nanoscale Horizons*, **2016**, 1, 480-487	10.8	40
55	Temperature and Redox Dual-Responsive Biodegradable Nanogels for Optimizing Antitumor Drug Delivery. *Particle and Particle Systems Characterization*, **2015**, 32, 1092-1101	3.1	19
54	Carbon-Dot-Based Nanosensors for the Detection of Intracellular Redox State. *Advanced Materials*, **2015**, 27, 7156-60	24	55
53	One-Pot Synthesis of Redox-Labile Polymer Capsules via Emulsion Droplet-Mediated Precipitation Polymerization. *Chemistry of Materials*, **2015**, 27, 1262-1268	9.6	30
52	Near-Infrared Light-Responsive Nanogels with Diselenide-Cross-Linkers for On-Demand Degradation and Triggered Drug Release. *Particle and Particle Systems Characterization*, **2015**, 32, 547-551	3.1	48
51	Mesoporous silica supraparticles for sustained inner-ear drug delivery. *Small*, **2014**, 10, 4244-8	11	37
50	Drug Delivery: Mesoporous Silica Supraparticles for Sustained Inner-Ear Drug Delivery (Small 21/2014). *Small*, **2014**, 10, 4243-4243	11	24
49	Shape-dependent cellular processing of polyelectrolyte capsules. *ACS Nano*, **2013**, 7, 522-30	16.7	123
48	Templated Assembly of pH-Labile Polymer-Drug Particles for Intracellular Drug Delivery. *Advanced Functional Materials*, **2012**, 22, 4718-4723	15.6	118
47	Nanoporous peptide particles for encapsulating and releasing neurotrophic factors in an animal model of neurodegeneration. *Advanced Materials*, **2012**, 24, 3362-6	24	64
46	Cellular association and cargo release of redox-responsive polymer capsules mediated by exofacial thiols. *Advanced Materials*, **2011**, 23, 3916-21	24	89
45	Bromoisobutyramide as an intermolecular surface binder for the preparation of free-standing biopolymer assemblies. *Advanced Materials*, **2011**, 23, 5668-73	24	38
44	Nanostructured polymer assemblies formed at interfaces: applications from immobilization and encapsulation to stimuli-responsive release. *Physical Chemistry Chemical Physics*, **2011**, 13, 4782-801	3.6	78

43	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. *Advanced Functional Materials*, **2010**, 20, 1625-1631	15.6	251
42	Encapsulation of water-insoluble drugs in polymer capsules prepared using mesoporous silica templates for intracellular drug delivery. *Advanced Materials*, **2010**, 22, 4293-7	24	171
41	Poly(L-lysine) nanostructured particles for gene delivery and hormone stimulation. *Biomaterials*, **2010**, 31, 1699-706	15.6	71
40	Triggered Enzymatic Degradation of DNA within Selectively Permeable Polymer Capsule Microreactors. *Angewandte Chemie*, **2009**, 121, 335-338	3.6	12
39	Triggered enzymatic degradation of DNA within selectively permeable polymer capsule microreactors. *Angewandte Chemie - International Edition*, **2009**, 48, 329-32	16.4	94
38	Controlled degradation of DNA capsules with engineered restriction-enzyme cut sites. *Small*, **2009**, 5, 1418-21	11	69
37	Stabilization of polymer-hydrogel capsules via thiol-disulfide exchange. *Small*, **2009**, 5, 2601-10	11	87
36	Mesoporous Silica-Templated Assembly of Luminescent Polyester Particles. *Chemistry of Materials*, **2009**, 21, 4310-4315	9.6	24
35	Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. *Chemistry of Materials*, **2009**, 21, 3042-3044	9.6	404
34	Nanoporous colloids: building blocks for a new generation of structured materials. *Journal of Materials Chemistry*, **2009**, 19, 6451		136
33	Templated synthesis of single-component polymer capsules and their application in drug delivery. *Nano Letters*, **2008**, 8, 1741-5	11.5	232
32	Template Synthesis of Nanostructured Materials via Layer-by-Layer Assembly. *Chemistry of Materials*, **2008**, 20, 848-858	9.6	708
31	Probing the conformation of polyelectrolytes in mesoporous silica spheres. *Langmuir*, **2008**, 24, 4224-304		31
30	Probing the permeability of polyelectrolyte multilayer capsules via a molecular beacon approach. *Langmuir*, **2007**, 23, 4554-62	4	49
29	Infiltration of Macromolecules into Nanoporous Silica Particles. *Macromolecules*, **2007**, 40, 7594-7600	5.5	57
28	Nanoporous Protein Particles Through Templating Mesoporous Silica Spheres. *Advanced Materials*, **2006**, 18, 795-800	24	110
27	Biomedical Applications of Layer-by-Layer Assembly: From Biomimetics to Tissue Engineering. *Advanced Materials*, **2006**, 18, 3203-3224	24	1138
26	Template Synthesis of Stimuli-Responsive Nanoporous Polymer-Based Spheres via Sequential Assembly. *Chemistry of Materials*, **2006**, 18, 4089-4100	9.6	89

25	Preparation of Nanoporous Polyelectrolyte Multilayer Films via Nanoparticle Templating. *Chemistry of Materials*, **2006**, 18, 5480-5485	9.6	47
24	Mesoporous Silica Spheres as Supports for Enzyme Immobilization and Encapsulation. *Chemistry of Materials*, **2005**, 17, 953-961	9.6	484
23	Nanoporous polyelectrolyte spheres prepared by sequentially coating sacrificial mesoporous silica spheres. *Angewandte Chemie - International Edition*, **2005**, 44, 2888-92	16.4	187
22	Nanoporous Polyelectrolyte Spheres Prepared by Sequentially Coating Sacrificial Mesoporous Silica Spheres. *Angewandte Chemie*, **2005**, 117, 2948-2952	3.6	31
21	Some New Developments in the Synthesis, Functionalization, and Utilization of Monodisperse Colloidal Spheres. *Advanced Functional Materials*, **2005**, 15, 1907-1921	15.6	199
20	Mesoporous Silica Particles as Templates for Preparing Enzyme-Loaded Biocompatible Microcapsules. *Advanced Materials*, **2005**, 17, 1737-1741	24	217
19	Macroporous Zeolitic Membrane Bioreactors. *Advanced Functional Materials*, **2004**, 14, 1012-1018	15.6	110
18	Enzyme encapsulation in nanoporous silica spheres. *Chemical Communications*, **2004**, 1528-9	5.8	167
17	Synthesis of Meso-/Macroporous Zeolite (Fe,Al)-ZSM-5 Microspheres from Diatomite. *Chemistry Letters*, **2004**, 33, 270-271	1.7	12
16	Hydrothermal Conversion of Solid Silica Beads to Hollow Silicalite-1 Sphere. *Chemistry Letters*, **2003**, 32, 790-791	1.7	23
15	Conversion of Fly Ash Cenosphere to Hollow Microspheres with Zeolite/Mullite Composite Shells. *Advanced Functional Materials*, **2003**, 13, 563-567	15.6	42
14	Preparation of Hollow Zeolite Spheres and Three-Dimensionally Ordered Macroporous Zeolite Monoliths with Functionalized Interiors. *Advanced Functional Materials*, **2003**, 13, 943-948	15.6	92
13	A Novel Hierarchical Nanozeolite Composite as Sorbent for Protein Separation in Immobilized Metal-Ion Affinity Chromatography. *Advanced Materials*, **2003**, 15, 1751-1753	24	76
12	Fabrication of hollow zeolite microcapsules with tailored shapes and functionalized interiors. *Microporous and Mesoporous Materials*, **2003**, 64, 69-81	5.3	77
11	General synthesis of mesoporous spheres of metal oxides and phosphates. *Journal of the American Chemical Society*, **2003**, 125, 4976-7	16.4	225
10	Zeolitic Tissue Through Wood Cell Templating. *Advanced Materials*, **2002**, 14, 926	24	218
9	Mechanically Stable Zeolite Monoliths with Three-Dimensional Ordered Macropores by the Transformation of Mesoporous Silica Spheres. *Advanced Materials*, **2002**, 14, 1506-1510	24	106
8	Fabrication of Hierarchical Structured Zeolitic Materials through Vapor-phase Transforming of the Seeded Diatomite. *Chemistry Letters*, **2002**, 31, 862-863	1.7	6

7	Synthesis of silver nanoparticles via electrochemical reduction on compact zeolite film modified electrodes. *Chemical Communications*, **2002**, 2814-5	5.8	81
6	Zeolitization of diatomite to prepare hierarchical porous zeolite materials through a vapor-phase transport process. *Journal of Materials Chemistry*, **2002**, 12, 1812-1818		98
5	Hollow Zeolite Capsules:A Novel Approach for Fabrication and Guest Encapsulation. *Chemistry of Materials*, **2002**, 14, 3217-3219	9.6	136
4	LAYER-BY-LAYER ASSEMBLY OF NANOZEOLITE BASED ON POLYMERIC MICROSPHERE: ZEOLITE COATED SPHERE AND HOLLOW ZEOLITE SPHERE. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2002**, 39, 509-526	2.2	41
3	Self-Supporting Porous Zeolite Membranes with Sponge-like Architecture and Zeolitic Microtubes. *Advanced Materials*, **2002**, 14, 994-997	24	59
2	Fabrication of zeolite coatings on stainless steel grids. *Journal of Materials Science Letters*, **2001**, 20, 2091-2094		14
1	Bioinspired Porous Hybrid Materials via Layer-by-Layer Assembly209-238		1