

Yajun Wang

List of Publications by Citations

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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	Biomedical Applications of Layer-by-Layer Assembly: From Biomimetics to Tissue Engineering. <i>Advanced Materials</i> , 2006 , 18, 3203-3224	24	1138
77	Template Synthesis of Nanostructured Materials via Layer-by-Layer Assembly. <i>Chemistry of Materials</i> , 2008 , 20, 848-858	9.6	708
76	Mesoporous Silica Spheres as Supports for Enzyme Immobilization and Encapsulation. <i>Chemistry of Materials</i> , 2005 , 17, 953-961	9.6	484
75	Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. <i>Chemistry of Materials</i> , 2009 , 21, 3042-3044	9.6	404
74	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. <i>Advanced Functional Materials</i> , 2010 , 20, 1625-1631	15.6	251
73	Templated synthesis of single-component polymer capsules and their application in drug delivery. <i>Nano Letters</i> , 2008 , 8, 1741-5	11.5	232
72	General synthesis of mesoporous spheres of metal oxides and phosphates. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4976-7	16.4	225
71	Zeolitic Tissue Through Wood Cell Templating. <i>Advanced Materials</i> , 2002 , 14, 926	24	218
70	Mesoporous Silica Particles as Templates for Preparing Enzyme-Loaded Biocompatible Microcapsules. <i>Advanced Materials</i> , 2005 , 17, 1737-1741	24	217
69	Some New Developments in the Synthesis, Functionalization, and Utilization of Monodisperse Colloidal Spheres. <i>Advanced Functional Materials</i> , 2005 , 15, 1907-1921	15.6	199
68	Nanoporous polyelectrolyte spheres prepared by sequentially coating sacrificial mesoporous silica spheres. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2888-92	16.4	187
67	Encapsulation of water-insoluble drugs in polymer capsules prepared using mesoporous silica templates for intracellular drug delivery. <i>Advanced Materials</i> , 2010 , 22, 4293-7	24	171
66	Enzyme encapsulation in nanoporous silica spheres. <i>Chemical Communications</i> , 2004 , 1528-9	5.8	167
65	Nanoporous colloids: building blocks for a new generation of structured materials. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6451		136
64	Hollow Zeolite Capsules: A Novel Approach for Fabrication and Guest Encapsulation. <i>Chemistry of Materials</i> , 2002 , 14, 3217-3219	9.6	136
63	Shape-dependent cellular processing of polyelectrolyte capsules. <i>ACS Nano</i> , 2013 , 7, 522-30	16.7	123
62	Templated Assembly of pH-Labile Polymer-Drug Particles for Intracellular Drug Delivery. <i>Advanced Functional Materials</i> , 2012 , 22, 4718-4723	15.6	118

61	Near-Infrared Laser-Triggered Nitric Oxide Nanogenerators for the Reversal of Multidrug Resistance in Cancer. <i>Advanced Functional Materials</i> , 2017 , 27, 1606398	15.6	116
60	Nanoporous Protein Particles Through Templating Mesoporous Silica Spheres. <i>Advanced Materials</i> , 2006 , 18, 795-800	24	110
59	Macroporous Zeolitic Membrane Bioreactors. <i>Advanced Functional Materials</i> , 2004 , 14, 1012-1018	15.6	110
58	Mechanically Stable Zeolite Monoliths with Three-Dimensional Ordered Macropores by the Transformation of Mesoporous Silica Spheres. <i>Advanced Materials</i> , 2002 , 14, 1506-1510	24	106
57	Zeolitization of diatomite to prepare hierarchical porous zeolite materials through a vapor-phase transport process. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1812-1818		98
56	Triggered enzymatic degradation of DNA within selectively permeable polymer capsule microreactors. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 329-32	16.4	94
55	Preparation of Hollow Zeolite Spheres and Three-Dimensionally Ordered Macroporous Zeolite Monoliths with Functionalized Interiors. <i>Advanced Functional Materials</i> , 2003 , 13, 943-948	15.6	92
54	Cellular association and cargo release of redox-responsive polymer capsules mediated by exofacial thiols. <i>Advanced Materials</i> , 2011 , 23, 3916-21	24	89
53	Template Synthesis of Stimuli-Responsive Nanoporous Polymer-Based Spheres via Sequential Assembly. <i>Chemistry of Materials</i> , 2006 , 18, 4089-4100	9.6	89
52	Stabilization of polymer-hydrogel capsules via thiol-disulfide exchange. <i>Small</i> , 2009 , 5, 2601-10	11	87
51	Nuclear-Targeted Multifunctional Magnetic Nanoparticles for Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601289	10.1	82
50	Synthesis of silver nanoparticles via electrochemical reduction on compact zeolite film modified electrodes. <i>Chemical Communications</i> , 2002 , 2814-5	5.8	81
49	Nanostructured polymer assemblies formed at interfaces: applications from immobilization and encapsulation to stimuli-responsive release. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4782-801	3.6	78
48	Fabrication of hollow zeolite microcapsules with tailored shapes and functionalized interiors. <i>Microporous and Mesoporous Materials</i> , 2003 , 64, 69-81	5.3	77
47	A Novel Hierarchical Nanozeolite Composite as Sorbent for Protein Separation in Immobilized Metal-Ion Affinity Chromatography. <i>Advanced Materials</i> , 2003 , 15, 1751-1753	24	76
46	Poly(L-lysine) nanostructured particles for gene delivery and hormone stimulation. <i>Biomaterials</i> , 2010 , 31, 1699-706	15.6	71
45	Controlled degradation of DNA capsules with engineered restriction-enzyme cut sites. <i>Small</i> , 2009 , 5, 1418-21	11	69
44	Synthesis of Chemically Asymmetric Silica Nanobottles and Their Application for Cargo Loading and as Nanoreactors and Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14733-14737	16.4	64

43	Nanoporous peptide particles for encapsulating and releasing neurotrophic factors in an animal model of neurodegeneration. <i>Advanced Materials</i> , 2012 , 24, 3362-6	24	64
42	Self-Supporting Porous Zeolite Membranes with Sponge-like Architecture and Zeolitic Microtubes. <i>Advanced Materials</i> , 2002 , 14, 994-997	24	59
41	Infiltration of Macromolecules into Nanoporous Silica Particles. <i>Macromolecules</i> , 2007 , 40, 7594-7600	5.5	57
40	Carbon-Dot-Based Nanosensors for the Detection of Intracellular Redox State. <i>Advanced Materials</i> , 2015 , 27, 7156-60	24	55
39	Synthesis of Discrete Alkyl-Silica Hybrid Nanowires and Their Assembly into Nanostructured Superhydrophobic Membranes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8375-80	16.4	54
38	Probing the permeability of polyelectrolyte multilayer capsules via a molecular beacon approach. <i>Langmuir</i> , 2007 , 23, 4554-62	4	49
37	Near-Infrared Light-Responsive Nanogels with Diselenide-Cross-Linkers for On-Demand Degradation and Triggered Drug Release. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 547-551 ^{3,1}		48
36	Preparation of Nanoporous Polyelectrolyte Multilayer Films via Nanoparticle Templating. <i>Chemistry of Materials</i> , 2006 , 18, 5480-5485	9.6	47
35	Improved Auditory Nerve Survival with Nanoengineered Supraparticles for Neurotrophin Delivery into the Deafened Cochlea. <i>PLoS ONE</i> , 2016 , 11, e0164867	3.7	43
34	Conversion of Fly Ash Cenosphere to Hollow Microspheres with Zeolite/Mullite Composite Shells. <i>Advanced Functional Materials</i> , 2003 , 13, 563-567	15.6	42
33	LAYER-BY-LAYER ASSEMBLY OF NANOZEOLITE BASED ON POLYMERIC MICROSPHERE: ZEOLITE COATED SPHERE AND HOLLOW ZEOLITE SPHERE. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2002 , 39, 509-526	2.2	41
32	Redox stimuli-responsive hollow mesoporous silica nanocarriers for targeted drug delivery in cancer therapy. <i>Nanoscale Horizons</i> , 2016 , 1, 480-487	10.8	40
31	Bromoisobutyramide as an intermolecular surface binder for the preparation of free-standing biopolymer assemblies. <i>Advanced Materials</i> , 2011 , 23, 5668-73	24	38
30	Mesoporous silica supraparticles for sustained inner-ear drug delivery. <i>Small</i> , 2014 , 10, 4244-8	11	37
29	Probing the conformation of polyelectrolytes in mesoporous silica spheres. <i>Langmuir</i> , 2008 , 24, 4224-304		31
28	Nanoporous Polyelectrolyte Spheres Prepared by Sequentially Coating Sacrificial Mesoporous Silica Spheres. <i>Angewandte Chemie</i> , 2005 , 117, 2948-2952	3.6	31
27	A Partially Graphitic Mesoporous Carbon Membrane with Three-Dimensionally Networked Nanotunnels for Ultrasensitive Electrochemical Detection. <i>Chemistry of Materials</i> , 2017 , 29, 5286-5293	9.6	30
26	One-Pot Synthesis of Redox-Labile Polymer Capsules via Emulsion Droplet-Mediated Precipitation Polymerization. <i>Chemistry of Materials</i> , 2015 , 27, 1262-1268	9.6	30

25	Coordination-Induced Assembly of Intelligent Polysaccharide-Based Phototherapeutic Nanoparticles for Cancer Treatment. <i>Advanced Healthcare Materials</i> , 2016 , 5, 3099-3104	10.1	27
24	Drug Delivery: Mesoporous Silica Supraparticles for Sustained Inner-Ear Drug Delivery (Small 21/2014). <i>Small</i> , 2014 , 10, 4243-4243	11	24
23	Mesoporous Silica-Templated Assembly of Luminescent Polyester Particles. <i>Chemistry of Materials</i> , 2009 , 21, 4310-4315	9.6	24
22	Hydrothermal Conversion of Solid Silica Beads to Hollow Silicalite-1 Sphere. <i>Chemistry Letters</i> , 2003 , 32, 790-791	1.7	23
21	Silica nanowires with tunable hydrophobicity for lipase immobilization and biocatalytic membrane assembly. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 555-563	9.3	19
20	Silica nanowire assemblies as three-dimensional, optically transparent platforms for constructing highly active SERS substrates. <i>Nanoscale</i> , 2017 , 9, 15901-15910	7.7	19
19	Temperature and Redox Dual-Responsive Biodegradable Nanogels for Optimizing Antitumor Drug Delivery. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 1092-1101	3.1	19
18	Polylysine-modified MXene nanosheets with highly loaded glucose oxidase as cascade nanoreactor for glucose decomposition and electrochemical sensing. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 20-29	9.3	18
17	Synthesis of Chemically Asymmetric Silica Nanobottles and Their Application for Cargo Loading and as Nanoreactors and Nanomotors. <i>Angewandte Chemie</i> , 2016 , 128, 14953-14957	3.6	17
16	Synthesis of Discrete Alkyl-Silica Hybrid Nanowires and Their Assembly into Nanostructured Superhydrophobic Membranes. <i>Angewandte Chemie</i> , 2016 , 128, 8515-8520	3.6	15
15	A Yolk@Shell Nanoplatfom for Gene-Silencing-Enhanced Photolytic Ablation of Cancer. <i>Advanced Functional Materials</i> , 2018 , 28, 1706398	15.6	14
14	Fabrication of zeolite coatings on stainless steel grids. <i>Journal of Materials Science Letters</i> , 2001 , 20, 2091-2094	14	
13	Template-Free Synthesis of Chemically Asymmetric Silica Nanotubes for Selective Cargo Loading and Sustained Drug Release. <i>Chemistry of Materials</i> , 2019 , 31, 4291-4298	9.6	12
12	Triggered Enzymatic Degradation of DNA within Selectively Permeable Polymer Capsule Microreactors. <i>Angewandte Chemie</i> , 2009 , 121, 335-338	3.6	12
11	Synthesis of Meso-/Macroporous Zeolite (Fe,Al)-ZSM-5 Microspheres from Diatomite. <i>Chemistry Letters</i> , 2004 , 33, 270-271	1.7	12
10	Engineering of dendritic mesoporous silica nanoparticles for efficient delivery of water-insoluble paclitaxel in cancer therapy. <i>Journal of Colloid and Interface Science</i> , 2021 , 593, 424-433	9.3	11
9	MoC nanodots toward efficient electrocatalytic hydrogen evolution: an interlayer-confined strategy with a 2D-zeolite precursor. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4724-4733	13	7
8	Fabrication of Hierarchical Structured Zeolitic Materials through Vapor-phase Transforming of the Seeded Diatomite. <i>Chemistry Letters</i> , 2002 , 31, 862-863	1.7	6

7	Phytantriol-Based Cubosome Formulation as an Antimicrobial against Lipopolysaccharide-Deficient Gram-Negative Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44485-44498	9.5	6
6	Targeted delivery of LM22A-4 by cubosomes protects retinal ganglion cells in an experimental glaucoma model. <i>Acta Biomaterialia</i> , 2021 , 126, 433-444	10.8	3
5	3-Dimensional stable polyelectrolyte hollow capsules: preparation and spontaneous encapsulation. <i>RSC Advances</i> , 2017 , 7, 1260-1265	3.7	2
4	One-pot synthesis of few-layered molybdenum disulfide anchored on N, S-codoped carbon for enhanced hydrogen generation. <i>Materials Today Energy</i> , 2021 , 19, 100600	7	2
3	Hierarchically porous graphitic carbon membrane with homogeneously encapsulated metallic nanoparticles as monolith electrodes for high-performance electrocatalysis and sensing. <i>Journal of Colloid and Interface Science</i> , 2020 , 570, 223-231	9.3	1
2	Nanostructured Porous Materials for Biosensor Applications 2016 , 245-290		1
1	Bioinspired Porous Hybrid Materials via Layer-by-Layer Assembly 209-238		1