Meihua Yu

List of Publications by Year in Descending Order

68 papers	2,906 citations	31 h-index	53 g-index
68 ext. papers	3,262 ext. citations	8.1 avg, IF	4.99 L-index

#	Paper	IF	Citations
68	Absence of Batf3 reveals a new dimension of cell state heterogeneity within conventional dendritic cells. *IScience*, **2021**, 24, 102402	6.1	6
67	Regulatory T Cells but Not IL-10 Impair Cell-Mediated Immunity in Human Papillomavirus E7+ Hyperplastic Epithelium. *Journal of Investigative Dermatology*, **2021**, 141, 1264-1273.e3	4.3	2
66	Manganese-Doped Silica-Based Nanoparticles Promote the Efficacy of Antigen-Specific Immunotherapy. *Journal of Immunology*, **2021**, 206, 987-998	5.3	6
65	Rambutan-like silica nanoparticles at tailored particle sizes for plasmid DNA delivery. *Journal of Materials Science*, **2021**, 56, 5830-5844	4.3	6
64	Acquisition of murine splenic myeloid cells for protein and gene expression profiling by advanced flow cytometry and CITE-seq. *STAR Protocols*, **2021**, 2, 100842	1.4	1
63	Therapeutic DNA Vaccine Against HPV16-Associated Cancer. *Methods in Molecular Biology*, **2021**, 2197, 241-252	1.4	1
62	Engineering mesoporous silica microspheres as hyper-activation supports for continuous enzymatic biodiesel production. *Materials Chemistry Frontiers*, **2019**, 3, 1816-1822	7.8	3
61	Designed synthesis of organosilica nanoparticles for enzymatic biodiesel production. *Materials Chemistry Frontiers*, **2018**, 2, 1334-1342	7.8	22
60	Mesoporous carbon hollow spheres: carbonisation-temperature-dependent delivery of therapeutic proteins. *Journal of Materials Chemistry B*, **2018**, 6, 763-768	7.3	5
59	Pristine mesoporous carbon hollow spheres as safe adjuvants induce excellent Th2-biased immune response. *Nano Research*, **2018**, 11, 370-382	10	11
58	Room temperature synthesis of dendritic mesoporous silica nanoparticles with small sizes and enhanced mRNA delivery performance. *Journal of Materials Chemistry B*, **2018**, 6, 4089-4095	7.3	24
57	Core-Shell-structured Dendritic Mesoporous Silica Nanoparticles for Combined Photodynamic Therapy and Antibody Delivery. *Chemistry - an Asian Journal*, **2017**, 12, 1465-1469	4.5	18
56	Asymmetric Silica Nanoparticles with Tunable Head-Tail Structures Enhance Hemocompatibility and Maturation of Immune Cells. *Journal of the American Chemical Society*, **2017**, 139, 6321-6328	16.4	68
55	Understanding the Effect of Surface Chemistry of Mesoporous Silica Nanorods on Their Vaccine Adjuvant Potency. *Advanced Healthcare Materials*, **2017**, 6, 1700466	10.1	28
54	Elaborate control over the morphology and pore structure of porous silicas for VOCs removal with high efficiency and stability. *Adsorption*, **2017**, 23, 37-50	2.6	6
53	Silica-based nanoparticles for therapeutic protein delivery. *Journal of Materials Chemistry B*, **2017**, 5, 3241-3252	7.3	55
52	Glucose-Responsive Nanosystem Mimicking the Physiological Insulin Secretion via an Enzyme-Polymer Layer-by-Layer Coating Strategy. *Chemistry of Materials*, **2017**, 29, 7725-7732	9.6	35

51	Plasmid DNA Delivery: Nanotopography Matters. *Journal of the American Chemical Society*, **2017**, 139, 18247-18254	16.4	77
50	Tailoring mesoporous-silica nanoparticles for robust immobilization of lipase and biocatalysis. *Nano Research*, **2017**, 10, 605-617	10	49
49	Rattle-type magnetic mesoporous hollow carbon as a high-performance and reusable adsorbent for water treatment. *Chemosphere*, **2017**, 166, 109-117	8.4	19
48	Combination of Microporous Hollow Carbon Spheres and Nafion for the Individual Metal-free Stripping Detection of Pb(2+) and Cd(2.). *Analytical Sciences*, **2016**, 32, 943-9	1.7	8
47	Anion Assisted Synthesis of Large Pore Hollow Dendritic Mesoporous Organosilica Nanoparticles: Understanding the Composition Gradient. *Chemistry of Materials*, **2016**, 28, 704-707	9.6	137
46	Understanding the contribution of surface roughness and hydrophobic modification of silica nanoparticles to enhanced therapeutic protein delivery. *Journal of Materials Chemistry B*, **2016**, 4, 212-219	7.3	60
45	Small-sized and large-pore dendritic mesoporous silica nanoparticles enhance antimicrobial enzyme delivery. *Journal of Materials Chemistry B*, **2016**, 4, 2646-2653	7.3	59
44	Size-dependent gene delivery of amine-modified silica nanoparticles. *Nano Research*, **2016**, 9, 291-305	10	25
43	Facile Synthesis of Large-Pore Bicontinuous Cubic Mesoporous Silica Nanoparticles for Intracellular Gene Delivery. *ChemNanoMat*, **2016**, 2, 220-225	3.5	13
42	Structure-Dependent and Glutathione-Responsive Biodegradable Dendritic Mesoporous Organosilica Nanoparticles for Safe Protein Delivery. *Chemistry of Materials*, **2016**, 28, 9008-9016	9.6	109
41	Silica Nanopollens Enhance Adhesion for Long-Term Bacterial Inhibition. *Journal of the American Chemical Society*, **2016**, 138, 6455-62	16.4	157
40	A Vesicle Supra-Assembly Approach to Synthesize Amine-Functionalized Hollow Dendritic Mesoporous Silica Nanospheres for Protein Delivery. *Small*, **2016**, 12, 5169-5177	11	60
39	Self-Organized Mesostructured Hollow Carbon Nanoparticles via a Surfactant-Free Sequential Heterogeneous Nucleation Pathway. *Chemistry of Materials*, **2015**, 27, 6297-6304	9.6	81
38	Synthesis of silica nanoparticles with controllable surface roughness for therapeutic protein delivery. *Journal of Materials Chemistry B*, **2015**, 3, 8477-8485	7.3	30
37	Gamma tocotrienol targets tyrosine phosphatase SHP2 in mammospheres resulting in cell death through RAS/ERK pathway. *BMC Cancer*, **2015**, 15, 609	4.8	14
36	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. *ACS Central Science*, **2015**, 1, 328-34	16.8	52
35	Controlled synthesis of hexagonal mesostructure silica and macroporous ordered siliceous foams for VOCs adsorption. *RSC Advances*, **2015**, 5, 5695-5703	3.7	15
34	Core-Cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultra-large Cavity for Protein Delivery. *Small*, **2015**, 11, 5949-55	11	107

33	Synthesis of mesoporous carbon nanoparticles with large and tunable pore sizes. *Nanoscale*, **2015**, 7, 11580-90	7.7	24
32	Preparation of fluorescent mesoporous hollow silica-fullerene nanoparticles via selective etching for combined chemotherapy and photodynamic therapy. *Nanoscale*, **2015**, 7, 11894-8	7.7	24
31	Biphasic Synthesis of Large-Pore and Well-Dispersed Benzene Bridged Mesoporous Organosilica Nanoparticles for Intracellular Protein Delivery. *Small*, **2015**, 11, 2743-9	11	74
30	Functionalized large pore mesoporous silica nanoparticles for gene delivery featuring controlled release and co-delivery. *Journal of Materials Chemistry B*, **2014**, 2, 718-726	7.3	90
29	High-Content, Well-Dispersed Fe2O3 Nanoparticles Encapsulated in Macroporous Silica with Superior Arsenic Removal Performance. *Advanced Functional Materials*, **2014**, 24, 1354-1363	15.6	103
28	Mesoporous silica nanoparticles enhance the cytotoxicity of curcumin. *RSC Advances*, **2014**, 4, 709-712	3.7	77
27	Synthesis of SBA-15 rods with small sizes for enhanced cellular uptake. *Journal of Materials Chemistry B*, **2014**, 2, 4929-4934	7.3	21
26	An approach to prepare polyethylenimine functionalized silica-based spheres with small size for siRNA delivery. *ACS Applied Materials & Interfaces*, **2014**, 6, 15626-31	9.5	16
25	Facile synthesis of ultra-small hybrid silica spheres for enhanced penetration in 3D glioma spheroids. *Chemical Communications*, **2014**, 50, 1527-9	5.8	14
24	Synthesis of multi-functional large pore mesoporous silica nanoparticles as gene carriers. *Nanotechnology*, **2014**, 25, 055701	3.4	43
23	Synthesis of Silica Vesicles with Small Sizes and Reduced Aggregation for Photodynamic Therapy. *Chemistry Letters*, **2014**, 43, 316-318	1.7	2
22	Protein Therapy: Synthesis of Silica Vesicles with Controlled Entrance Size for High Loading, Sustained Release, and Cellular Delivery of Therapeutical Proteins (Small 24/2014). *Small*, **2014**, 10, 4986-4986	11	20
21	Synthesis of silica vesicles with controlled entrance size for high loading, sustained release, and cellular delivery of therapeutical proteins. *Small*, **2014**, 10, 5068-76	11	36
20	Nanoparticles mimicking viral surface topography for enhanced cellular delivery. *Advanced Materials*, **2013**, 25, 6233-7	24	129
19	Hyaluronic acid modified mesoporous silica nanoparticles for targeted drug delivery to CD44-overexpressing cancer cells. *Nanoscale*, **2013**, 5, 178-83	7.7	240
18	Stepwise pore size reduction of ordered nanoporous silica materials at angstrom precision. *Journal of the American Chemical Society*, **2013**, 135, 8444-7	16.4	33
17	Laser engineered graphene paper for mass spectrometry imaging. *Scientific Reports*, **2013**, 3, 1415	4.9	39
16	Nanoparticles: Nanoparticles Mimicking Viral Surface Topography for Enhanced Cellular Delivery (Adv. Mater. 43/2013). *Advanced Materials*, **2013**, 25, 6232-6232	24	1

15	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. *Journal of Colloid and Interface Science*, **2012**, 376, 67-75	9.3	59
14	Recent advances in the rational design of silica-based nanoparticles for gene therapy. *Therapeutic Delivery*, **2012**, 3, 1217-1237	3.8	31
13	Synthesis of Nonspherical Mesoporous Silica Ellipsoids with Tunable Aspect Ratios for Magnetic Assisted Assembly and Gene Delivery. *Chemistry of Materials*, **2012**, 24, 230-235	9.6	49
12	Small mesoporous silica nanoparticles as carriers for enhanced photodynamic therapy. *Chemistry - an Asian Journal*, **2011**, 6, 2332-8	4.5	22
11	Controlled release of volatile (□)-menthol in nanoporous silica materials. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2011**, 71, 593-602		15
10	Tuning cooperative vesicle templating and liquid crystal templating simply by varying silica source. *Journal of Materials Research*, **2010**, 25, 648-657	2.5	11
9	MoxW1□xO3□0.33H2O Solid Solutions with Tunable Band Gaps. *Journal of Physical Chemistry C*, **2010**, 114, 20947-20954	3.8	56
8	A bioinspired route to various siliceous vesicular structures. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 612-5	1.3	5
7	Preparation of Siliceous Vesicles with Adjustable Sizes, Wall Thickness, and Shapes. *Chemistry Letters*, **2009**, 38, 442-443	1.7	10
6	Structure transition from hexagonal mesostructured rodlike silica to multilamellar vesicles. *Langmuir*, **2008**, 24, 5038-43	4	25
5	Organosilica Multilamellar Vesicles with Tunable Number of Layers and Sponge-Like Walls via One Surfactant Templating. *Chemistry of Materials*, **2008**, 20, 6238-6243	9.6	45
4	Siliceous nanopods from a compromised dual-templating approach. *Angewandte Chemie - International Edition*, **2007**, 46, 8579-82	16.4	70
3	Siliceous Nanopods from a Compromised Dual-Templating Approach. *Angewandte Chemie*, **2007**, 119, 8733-8736	3.6	4
2	One template synthesis of raspberry-like hierarchical siliceous hollow spheres. *Journal of the American Chemical Society*, **2007**, 129, 14576-7	16.4	87
1	Supra-assembly of siliceous vesicles. *Journal of the American Chemical Society*, **2006**, 128, 15992-3	16.4	62