Xin Wang

List of Publications by Year in descending order

26 papers	1,204 citations	394421 19 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1719 citing authors

#	Article	IF	Citations
1	Stimuli-responsive metalâ€“organic frameworks gated by pillar[5]arene supramolecular switches. Chemical Science, 2015, 6, 1640-1644.	7.4	228
2	pH and Glutathione Dual-Responsive Dynamic Cross-Linked Supramolecular Network on Mesoporous Silica Nanoparticles for Controlled Anticancer Drug Release. ACS Applied Materials & Interfaces, 2015, 7, 28656-28664.	8.0	128
3	Effective PDT/PTT dual-modal phototherapeutic killing of pathogenic bacteria by using ruthenium nanoparticles. Journal of Materials Chemistry B, 2016, 4, 6258-6270.	5.8	71
4	Mitochondrion-Specific Blinking Fluorescent Bioprobe for Nanoscopic Monitoring of Mitophagy. ACS Nano, 2019, 13, 11593-11602.	14.6	70
5	A triple-stimuli responsive hormone delivery system equipped with pillararene magnetic nanovalves. Materials Chemistry Frontiers, 2019, 3, 103-110.	5.9	68
6	Organic-Inorganic Hybrid Pillarene-Based Nanomaterial for Label-Free Sensing and Catalysis. Matter, 2019, 1, 848-861.	10.0	59
7	Smart mesoporous silica nanoparticles gated by pillararene-modified gold nanoparticles for on-demand cargo release. Chemical Communications, 2016, 52, 13775-13778.	4.1	58
8	In Situ Gold Nanoparticle Synthesis Mediated by a Water-Soluble Leaning Pillar[6]arene for Self-Assembly, Detection, and Catalysis. Organic Letters, 2019, 21, 5215-5218.	4.6	52
9	Single-Particle Tracking with Scattering-Based Optical Microscopy. Analytical Chemistry, 2019, 91, 15327-15334.	6.5	45
10	Etching of Single-MnO₂-Coated Gold Nanoparticles for the Colorimetric Detection of Organophosphorus Pesticides. ACS Applied Nano Materials, 2019, 2, 6646-6654.	5.0	44
11	One-pot synthesis of mesoporous chitosan-silica composite from sodium silicate for application in Rhenium(VII) adsorption. Microporous and Mesoporous Materials, 2019, 278, 44-53.	4.4	43
12	Surface Immobilization of pH-Responsive Polymer Brushes on Mesoporous Silica Nanoparticles by Enzyme Mimetic Catalytic ATRP for Controlled Cargo Release. Polymers, 2016, 8, 277.	4.5	41
13	Tuning the growth, crosslinking, and gating effect of disulfide-containing PGMAs on the surfaces of mesoporous silica nanoparticles for redox/pH dual-controlled cargo release. Polymer Chemistry, 2016, 7, 2171-2179.	3.9	40
14	One-pot solvothermal synthesis of Carboxylatopillar[5]arene-modified Fe3O4 magnetic nanoparticles for ultrafast separation of cationic dyes. Dyes and Pigments, 2019, 162, 512-516.	3.7	37
15	Multifunctional bacterial imaging and therapy systems. Journal of Materials Chemistry B, 2018, 6, 5198-5214.	5.8	34
16	Polymeric ionic liquid with carboxyl anchored on mesoporous silica for efficient fixation of carbon dioxide. Journal of Colloid and Interface Science, 2022, 618, 44-55.	9.4	27
17	Polymer Nanoassembly as Delivery Systems and Antiâ€Bacterial Toolbox: From PGMAs to MSN@PGMAs. Chemical Record, 2018, 18, 45-54.	5.8	25
18	Molecular and living cell dynamic assays with optical microscopy imaging techniques. Analyst, The, 2019, 144, 859-871.	3.5	24

#	Article	IF	Citations
19	Cell membrane coated smart two-dimensional supraparticle for in vivo homotypic cancer targeting and enhanced combinational theranostics. Nanotheranostics, 2021, 5, 275-287.	5.2	20
20	Single-particle tracking discloses binding-mediated rocking diffusion of rod-shaped biological particles on lipid membranes. Chemical Science, 2019, 10, 1351-1359.	7.4	17
21	Immobilizing Polyether Imidazole Ionic Liquids on ZSM-5 Zeolite for the Catalytic Synthesis of Propylene Carbonate from Carbon Dioxide. Molecules, 2018, 23, 2710.	3.8	14
22	Controlled Drug Release Systems Based on Mesoporous Silica Capped by Gold Nanoparticles. Acta Chimica Sinica, 2016, 74, 303.	1.4	14
23	Green Synthesis of Leaning Tower[6]arene-Mediated Gold Nanoparticles for Label-Free Detection. Organic Letters, 2021, 23, 4677-4682.	4.6	12
24	A Carbonized Fluorescent Nucleolus Probe Discloses RNA Reduction in the Process of Mitophagy. CCS Chemistry, 2022, 4, 2698-2710.	7.8	12
25	Nanozyme-Triggered Cascade Reactions from Cup-Shaped Nanomotors Promote Active Cellular Targeting. Research, 2022, 2022, .	5.7	12
26	High TSPAN8 expression in epithelial cancer cellâ€derived small extracellular vesicles promote confined diffusion and pronounced uptake. Journal of Extracellular Vesicles, 2021, 10, e12167.	12.2	9