Shili Xiao

List of Publications by Year
in descending order

31 papers	1,512 citations	394421 19 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	2372 citing authors

#	Article	IF	Citations
1	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. Journal of Materials Chemistry, 2011, 21, 4493.	6.7	178
2	Redox-Responsive Alginate Nanogels with Enhanced Anticancer Cytotoxicity. Biomacromolecules, 2013, 14, 3140-3146.	5.4	153
3	Excellent copper(II) removal using zero-valent iron nanoparticle-immobilized hybrid electrospun polymer nanofibrous mats. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 381, 48-54.	4.7	129
4	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. Journal of Physical Chemistry C, 2009, 113, 18062-18068.	3.1	123
5	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. Journal of Materials Chemistry, 2010, 20, 5700.	6.7	108
6	Influence of dendrimer surface charge on the bioactivity of 2-methoxyestradiol complexed with dendrimers. Soft Matter, 2010, 6, 2539.	2.7	84
7	Dendrimer-Assisted Formation of Fluorescent Nanogels for Drug Delivery and Intracellular Imaging. Biomacromolecules, 2014, 15, 492-499.	5.4	76
8	Layer-by-Layer Assembly of Polyelectrolyte Multilayer onto PET Fabric for Highly Tunable Dyeing with Water Soluble Dyestuffs. Polymers, 2017, 9, 735.	4.5	73
9	Polyelectrolyte Multilayer-Assisted Immobilization of Zero-Valent Iron Nanoparticles onto Polymer Nanofibers for Potential Environmental Applications. ACS Applied Materials & Interfaces, 2009, 1, 2848-2855.	8.0	72
10	Effective removal of dyes from aqueous solution using ultrafine silk fibroin powder. Advanced Powder Technology, 2014, 25, 574-581.	4.1	67
11	Size-tunable Ag nanoparticles immobilized in electrospun nanofibers: synthesis, characterization, and application for catalytic reduction of 4-nitrophenol. RSC Advances, 2012, 2, 319-327.	3.6	63
12	Fabrication and characterization of water-stable electrospun polyethyleneimine/polyvinyl alcohol nanofibers with super dyesorption capability. New Journal of Chemistry, 2011, 35, 360-368.	2.8	53
13	PAMAM Dendrimer/pDNA Functionalized-Magnetic Iron Oxide Nanoparticles for Gene Delivery. Journal of Biomedical Nanotechnology, 2015, 11, 1370-1384.	1.1	45
14	Fine tuning of the pH-sensitivity of laponiteâ€“doxorubicin nanohybrids by polyelectrolyte multilayer coating. Materials Science and Engineering C, 2016, 60, 348-356.	7.3	42
15	QSPR studies of impact sensitivity of nitro energetic compounds using three-dimensional descriptors. Journal of Molecular Graphics and Modelling, 2012, 36, 10-19.	2.4	37
16	Atomic layer deposition TiO₂/Al₂O₃ nanolayer of dyed polyamide/aramid blend fabric for high intensity UV light protection. Polymer Engineering and Science, 2015, 55, 1296-1302.	3.1	26
17	Immobilization of Cationic Titanium Dioxide (TiO2+) on Electrospun Nanofibrous Mat: Synthesis, Characterization, and Potential Environmental Application. Fibers and Polymers, 2018, 19, 1715-1725.	2.1	25
18	Rheological and controlled release properties of hydrogels based on mushroom hyperbranched polysaccharide and xanthan gum. International Journal of Biological Macromolecules, 2018, 120, 2399-2409.	7.5	24

#	Article	IF	Citations
19	Design and development of TiO2-Fe0 nanoparticle-immobilized nanofibrous mat for photocatalytic degradation of hazardous water pollutants. Journal of Materials Science: Materials in Electronics, 2019, 30, 4842-4854.	2.2	20
20	Fabrication of waterâ€stable electrospun polyacrylic acidâ€based nanofibrous mats for removal of copper (II) ions in aqueous solution. Journal of Applied Polymer Science, 2010, 116, 2409-2417.	2.6	19
21	Effective removal of calcium ions from simulated hard water using electrospun polyelectrolyte nanofibrous mats. Fibers and Polymers, 2016, 17, 1428-1437.	2.1	18
22	Gene delivery using dendrimer/pDNA complexes immobilized in electrospun fibers using the Layer-by-Layer technique. RSC Advances, 2016, 6, 97116-97128.	3.6	17
23	Manipulation of the Loading and Size of Zero-Valent Iron Nanoparticles Immobilized in Electrospun Polymer Nanofibers. Journal of Nanoscience and Nanotechnology, 2011, 11, 5089-5097.	0.9	13
24	Preparation of [Amine-Terminated Generation 5 Poly(amidoamine)]-graft-Poly(lactic-co-glycolic acid) Electrospun Nanofibrous Mats for Scaffold-Mediated Gene Transfection. ACS Applied Bio Materials, 2020, 3, 346-357.	4.6	10
25	Porous Laponite/Poly(L-lactic acid) Membrane with Controlled Release of TCH and Efficient Antibacterial Performance. Fibers and Polymers, 2018, 19, 477-488.	2.1	7
26	Fabrication and characterization of mechano-modulated PET/BPU nanofibrous mats as potential vascular grafts materials. Fibers and Polymers, 2012, 13, 618-625.	2.1	6
27	Immobilization of nZVI particles on cotton fibers for rapid decolorization of organic dyes. Cellulose, 2021, 28, 7925-7940.	4.9	6
28	Microstructure and mechanical properties of polyurethane fibrous membrane. Fibers and Polymers, 2012, 13, 1239-1248.	2.1	5
29	Preparation and gas-sensing property of parallel-aligned ZnO nanofibrous films. Bulletin of Materials Science, 2013, 36, 505-511.	1.7	5
30	Polyelectrolyte multilayer film-assisted formation of zero-valent iron nanoparticles onto polymer nanofibrous mats. Journal of Physics: Conference Series, 2009, 188, 012015.	0.4	4
31	Fabrication and characterization of silk fibroin powder/polyurethane fibrous membrane. Polymer Engineering and Science, 2012, 52, 2025-2032.	3.1	4