

Shili Xiao

List of Publications by Year in descending order

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31
papers

1,512
citations

394421

19
h-index

434195

31
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all docs

31
docs citations

31
times ranked

2372
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilization of nZVI particles on cotton fibers for rapid decolorization of organic dyes. <i>Cellulose</i> , 2021, 28, 7925-7940.	4.9	6
2	Preparation of [Amine-Terminated Generation 5 Poly(amidoamine)]- <i>graft</i> -Poly(lactic-co-glycolic acid) Electrospun Nanofibrous Mats for Scaffold-Mediated Gene Transfection. <i>ACS Applied Bio Materials</i> , 2020, 3, 346-357.	4.6	10
3	Design and development of TiO ₂ -FeO nanoparticle-immobilized nanofibrous mat for photocatalytic degradation of hazardous water pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4842-4854.	2.2	20
4	Porous Laponite/Poly(L-lactic acid) Membrane with Controlled Release of TCH and Efficient Antibacterial Performance. <i>Fibers and Polymers</i> , 2018, 19, 477-488.	2.1	7
5	Rheological and controlled release properties of hydrogels based on mushroom hyperbranched polysaccharide and xanthan gum. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2399-2409.	7.5	24
6	Immobilization of Cationic Titanium Dioxide (TiO ₂ ⁺) on Electrospun Nanofibrous Mat: Synthesis, Characterization, and Potential Environmental Application. <i>Fibers and Polymers</i> , 2018, 19, 1715-1725.	2.1	25
7	Layer-by-Layer Assembly of Polyelectrolyte Multilayer onto PET Fabric for Highly Tunable Dyeing with Water Soluble Dyestuffs. <i>Polymers</i> , 2017, 9, 735.	4.5	73
8	Effective removal of calcium ions from simulated hard water using electrospun polyelectrolyte nanofibrous mats. <i>Fibers and Polymers</i> , 2016, 17, 1428-1437.	2.1	18
9	Gene delivery using dendrimer/pDNA complexes immobilized in electrospun fibers using the Layer-by-Layer technique. <i>RSC Advances</i> , 2016, 6, 97116-97128.	3.6	17
10	Fine tuning of the pH-sensitivity of laponite@doxorubicin nanohybrids by polyelectrolyte multilayer coating. <i>Materials Science and Engineering C</i> , 2016, 60, 348-356.	7.3	42
11	PAMAM Dendrimer/pDNA Functionalized-Magnetic Iron Oxide Nanoparticles for Gene Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1370-1384.	1.1	45
12	Atomic layer deposition TiO ₂ /Al ₂ O ₃ nanolayer of dyed polyamide/aramid blend fabric for high intensity UV light protection. <i>Polymer Engineering and Science</i> , 2015, 55, 1296-1302.	3.1	26
13	Effective removal of dyes from aqueous solution using ultrafine silk fibroin powder. <i>Advanced Powder Technology</i> , 2014, 25, 574-581.	4.1	67
14	Dendrimer-Assisted Formation of Fluorescent Nanogels for Drug Delivery and Intracellular Imaging. <i>Biomacromolecules</i> , 2014, 15, 492-499.	5.4	76
15	Preparation and gas-sensing property of parallel-aligned ZnO nanofibrous films. <i>Bulletin of Materials Science</i> , 2013, 36, 505-511.	1.7	5
16	Redox-Responsive Alginate Nanogels with Enhanced Anticancer Cytotoxicity. <i>Biomacromolecules</i> , 2013, 14, 3140-3146.	5.4	153
17	Size-tunable Ag nanoparticles immobilized in electrospun nanofibers: synthesis, characterization, and application for catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2012, 2, 319-327.	3.6	63
18	Microstructure and mechanical properties of polyurethane fibrous membrane. <i>Fibers and Polymers</i> , 2012, 13, 1239-1248.	2.1	5

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19	Fabrication and characterization of silk fibroin powder/polyurethane fibrous membrane. <i>Polymer Engineering and Science</i> , 2012, 52, 2025-2032.	3.1	4
20	Fabrication and characterization of mechano-modulated PET/BPU nanofibrous mats as potential vascular grafts materials. <i>Fibers and Polymers</i> , 2012, 13, 618-625.	2.1	6
21	QSPR studies of impact sensitivity of nitro energetic compounds using three-dimensional descriptors. <i>Journal of Molecular Graphics and Modelling</i> , 2012, 36, 10-19.	2.4	37
22	Fabrication and characterization of water-stable electrospun polyethyleneimine/polyvinyl alcohol nanofibers with super dyesorption capability. <i>New Journal of Chemistry</i> , 2011, 35, 360-368.	2.8	53
23	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 4493.	6.7	178
24	Excellent copper(II) removal using zero-valent iron nanoparticle-immobilized hybrid electrospun polymer nanofibrous mats. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 381, 48-54.	4.7	129
25	Manipulation of the Loading and Size of Zero-Valent Iron Nanoparticles Immobilized in Electrospun Polymer Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5089-5097.	0.9	13
26	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 5700.	6.7	108
27	Fabrication of water-stable electrospun polyacrylic acid-based nanofibrous mats for removal of copper (II) ions in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2010, 116, 2409-2417.	2.6	19
28	Influence of dendrimer surface charge on the bioactivity of 2-methoxyestradiol complexed with dendrimers. <i>Soft Matter</i> , 2010, 6, 2539.	2.7	84
29	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18062-18068.	3.1	123
30	Polyelectrolyte Multilayer-Assisted Immobilization of Zero-Valent Iron Nanoparticles onto Polymer Nanofibers for Potential Environmental Applications. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2848-2855.	8.0	72
31	Polyelectrolyte multilayer film-assisted formation of zero-valent iron nanoparticles onto polymer nanofibrous mats. <i>Journal of Physics: Conference Series</i> , 2009, 188, 012015.	0.4	4