

Quan Shi

List of Publications by Year in descending order

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33
papers

1,458
citations

304368

22
h-index

414034

32
g-index

33
all docs

33
docs citations

33
times ranked

2289
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Engineered Blood Adsorption Device for Hyperphosphatemia Treatment. <i>ASAIO Journal</i> , 2018, 64, 389-394.	0.9	0
2	Plasma-Assisted Preparation of High-Performance Chitosan Nanofibers/Gauze Composite Bandages. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 709-717.	1.8	7
3	Novel atmospheric plasma enhanced chitosan nanofiber/gauze composite wound dressings. <i>Journal of Applied Polymer Science</i> , 2013, 129, 916-923.	1.3	33
4	Multifunctional and durable nanofiber-fabricated layered composite for protective application. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1219-1226.	1.3	10
5	Atmospheric plasma application to improve adhesion of electrospun nanofibers onto protective fabric. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 924-938.	1.4	5
6	Plasma-Electrospinning Hybrid Process and Plasma Pretreatment to Improve Adhesive Properties of Nanofibers on Fabric Surface. <i>Plasma Chemistry and Plasma Processing</i> , 2012, 32, 275-291.	1.1	17
7	Multifunctional ZnO/Nylon 6 nanofiber mats by an electrospinning-electrospraying hybrid process for use in protective applications. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 055004.	2.8	54
8	One-step synthesis of silver nanoparticle-filled nylon 6 nanofibers and their antibacterial properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 10330.	6.7	123
9	Electrocatalytic interaction of nano-engineered palladium on carbon nanofibers with hydrogen peroxide and β -NADH. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1287-1294.	1.2	11
10	Atmospheric plasma treatment of pre-electrospinning polymer solution: A feasible method to improve electrospinnability. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 115-122.	2.4	33
11	A facile approach to fabricate porous nylon 6 nanofibers using silica nanotemplate. <i>Journal of Applied Polymer Science</i> , 2011, 120, 425-433.	1.3	20
12	Durable antibacterial Ag/polyacrylonitrile (Ag/PAN) hybrid nanofibers prepared by atmospheric plasma treatment and electrospinning. <i>European Polymer Journal</i> , 2011, 47, 1402-1409.	2.6	139
13	Electrospun ultrathin nylon fibers for protective applications. <i>Journal of Applied Polymer Science</i> , 2010, 116, 2181-2187.	1.3	37
14	Fabrication of carbon nanofiber-driven electrodes from electrospun polyacrylonitrile/polypyrrole bicomponents for high-performance rechargeable lithium-ion batteries. <i>Journal of Power Sources</i> , 2010, 195, 2050-2056.	4.0	154
15	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. <i>Polymer</i> , 2010, 51, 4368-4374.	1.8	34
16	Formation and electrochemical performance of copper/carbon composite nanofibers. <i>Electrochimica Acta</i> , 2010, 55, 1605-1611.	2.6	55
17	Synthesis and self-assembly of a novel Y-shaped copolymer with a helical polypeptide arm. <i>Polymer</i> , 2009, 50, 455-461.	1.8	28
18	Hemoglobin conjugated micelles based on triblock biodegradable polymers as artificial oxygen carriers. <i>Biomaterials</i> , 2009, 30, 5077-5085.	5.7	46

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19	The immobilization of proteins on biodegradable polymer fibers via click chemistry. <i>Biomaterials</i> , 2008, 29, 1118-1126.	5.7	108
20	Novel aliphatic poly(ester-carbonate) with pendant allyl ester groups and its folic acid functionalization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1852-1861.	2.5	49
21	Self-Assembly of a Hydrophobic Polypeptide Containing a Short Hydrophilic Middle Segment: Vesicles to Large Compound Micelles. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1129-1136.	1.1	26
22	Grafting BSA onto Poly[(L-lactide)-co-(i>)-carbonate] Microspheres by Click Chemistry. <i>Macromolecular Bioscience</i> , 2008, 8, 638-644.	2.1	24
23	The immobilization of proteins on biodegradable fibers via biotin-streptavidin bridges. <i>Acta Biomaterialia</i> , 2008, 4, 1770-1777.	4.1	32
24	Synthesis and Characterization of Novel Biodegradable Poly(carbonate ester)s with Photolabile Protecting Groups. <i>Biomacromolecules</i> , 2008, 9, 376-380.	2.6	57
25	Synthesis and characterization of novel poly(ester carbonate)s based on pentaerythritol. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1737-1745.	2.5	35
26	Sugars-grafted aliphatic biodegradable poly(L-lactide-co-carbonate)s by click reaction and their specific interaction with lectin molecules. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3204-3217.	2.5	69
27	A novel polymer-paclitaxel conjugate based on amphiphilic triblock copolymer. <i>Journal of Controlled Release</i> , 2007, 117, 210-216.	4.8	108
28	Synthesis, characterization, and antibacterial activities of novel N-halamine copolymers. <i>Journal of Materials Science</i> , 2007, 42, 4018-4024.	1.7	29
29	Progress of the Surface Modification of PP Fiber Used in Concrete. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 29-34.	1.9	15
30	Study on antibacterial behavior of insoluble quaternary ammonium. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2389-2394.	1.3	30
31	Preparation of epoxy resin/CaCO ₃ nanocomposites and performance of resultant powder coatings. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2656-2660.	1.3	21
32	A Novel Epoxy Resin/CaCO ₃ Nanocomposite and its Mechanism of Toughness Improvement. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 53-58.	1.7	42
33	Novel Uncured Epoxy Resin/CaCO ₃ Nanocomposites. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 809-813.	1.9	7