

Muzafar A Kanjwal

List of Publications by Year in descending order

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48
papers

2,042
citations

257450

24
h-index

233421

45
g-index

48
all docs

48
docs citations

48
times ranked

2926
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun polyvinyl-alcohol nanofibers as oral fast-dissolving delivery system of caffeine and riboflavin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 182-188.	5.0	257
2	Spider-net within the N6, PVA and PU electrospun nanofiber mats using salt addition: Novel strategy in the electrospinning process. <i>Polymer</i> , 2009, 50, 4389-4396.	3.8	208
3	Electrospun antimicrobial polyurethane nanofibers containing silver nanoparticles for biotechnological applications. <i>Macromolecular Research</i> , 2009, 17, 688-696.	2.4	139
4	CoNi Bimetallic Nanofibers by Electrospinning: Nickel-Based Soft Magnetic Material with Improved Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15589-15593.	3.1	117
5	Influence of temperature on the photodegradation process using Ag-doped TiO ₂ nanostructures: Negative impact with the nanofibers. <i>Journal of Molecular Catalysis A</i> , 2013, 366, 333-340.	4.8	113
6	Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications. <i>Chemical Engineering Journal</i> , 2010, 156, 487-495.	12.7	105
7	Polyurethane nanofibers containing copper nanoparticles as future materials. <i>Applied Surface Science</i> , 2011, 257, 3020-3026.	6.1	91
8	Surface Plasmon Resonances, Optical Properties, and Electrical Conductivity Thermal Hysteresis of Silver Nanofibers Produced by the Electrospinning Technique. <i>Langmuir</i> , 2008, 24, 11982-11987.	3.5	85
9	Photocatalytic activity of ZnO-TiO ₂ hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques. <i>Macromolecular Research</i> , 2010, 18, 233-240.	2.4	81
10	Novel self-assembled amphiphilic poly(ϵ -caprolactone)-grafted-poly(vinyl alcohol) nanoparticles: hydrophobic and hydrophilic drugs carrier nanoparticles. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 821-831.	3.6	60
11	Oxidative stress-mediated cytotoxicity and apoptosis induction by TiO ₂ nanofibers in HeLa cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 324-333.	4.3	59
12	Synthesis and characterization of bovine femur bone hydroxyapatite containing silver nanoparticles for the biomedical applications. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1917-1927.	1.9	58
13	Electronic characterization and photocatalytic properties of TiO ₂ /CdO electrospun nanofibers. <i>Journal of Materials Science</i> , 2010, 45, 1272-1279.	3.7	52
14	Synthesis of poly(vinyl alcohol) (PVA) nanofibers incorporating hydroxyapatite nanoparticles as future implant materials. <i>Macromolecular Research</i> , 2010, 18, 59-66.	2.4	50
15	Functionalization of Electrospun Titanium Oxide Nanofibers with Silver Nanoparticles: Strongly Effective Photocatalyst. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, E54.	2.1	49
16	Self synthesis of silver nanoparticles in/on polyurethane nanofibers: Nano-biotechnological approach. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3189-3198.	2.6	37
17	Preparation of nanofibers consisting of MnO/Mn ₃ O ₄ by using the electrospinning technique: the nanofibers have two band-gap energies. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 769-776.	2.3	36
18	Effects of silver content and morphology on the catalytic activity of silver-grafted titanium oxide nanostructure. <i>Fibers and Polymers</i> , 2010, 11, 700-709.	2.1	36

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19	Zinc oxide's hierarchical nanostructure and its photocatalytic properties. <i>Applied Surface Science</i> , 2012, 258, 3695-3702.	6.1	36
20	A simple approach for synthesis, characterization and bioactivity of bovine bones to fabricate the polyurethane nanofiber containing hydroxyapatite nanoparticles. <i>EXPRESS Polymer Letters</i> , 2012, 6, 41-53.	2.1	33
21	Electrospun NiO, ZnO and composite NiO@ZnO nanofibers/photocatalytic degradation of dairy effluent. <i>Ceramics International</i> , 2015, 41, 12229-12236.	4.8	31
22	Co ₃ O ₄ @ZnO hierarchical nanostructures by electrospinning and hydrothermal methods. <i>Applied Surface Science</i> , 2011, 257, 7975-7981.	6.1	27
23	Electrospun titanium dioxide nanofibers containing hydroxyapatite and silver nanoparticles as future implant materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2551-2559.	3.6	26
24	Physiochemical characterizations of nanobelts consisting of three mixed oxides (Co ₃ O ₄ , CuO, and TiO ₂) for photocatalytic degradation of dairy effluent. <i>Ceramics International</i> , 2015, 41, 9615-9621.	3.7	25
25	Photocatalytic degradation of dairy effluent using Ag/TiO ₂ nanostructures/polyurethane nanofiber membrane. <i>Ceramics International</i> , 2015, 41, 9615-9621.	4.8	24
26	Graphene composite nanofibers as a high-performance photocatalyst for environmental remediation. <i>Separation and Purification Technology</i> , 2019, 215, 602-611.	7.9	24
27	Boron nitride nanofibers by the electrospinning technique. <i>Macromolecular Research</i> , 2010, 18, 551-557.	2.4	18
28	Titanium based composite-graphene nanofibers as high-performance photocatalyst for formaldehyde gas purification. <i>Ceramics International</i> , 2019, 45, 5617-5626.	4.8	18
29	Hybrid matrices of TiO ₂ and TiO ₂ @Ag nanofibers with silicone for high water flux photocatalytic degradation of dairy effluent. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 142-149.	5.8	15
30	Silver Nanofibres by a Novel Electrospinning Process: Nanofibres with Plasmon Resonance in the IR Region and Thermal Hysteresis Electrical Conductivity Features. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1481-1488.	2.0	13
31	Fabrication of titanium dioxide nanofibers containing hydroxyapatite nanoparticles. <i>Applied Surface Science</i> , 2010, 257, 296-301.	6.1	13
32	Preparing photochromic nanofibers and animal cells using a photochromic compound of 1,3,3-trimethyl-6-nitrospiro (2H-1-benzopyran-2,2'-indoline). <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 67-72.	2.1	12
33	Titanium Dioxide Nanofibers and Microparticles Containing Nickel Nanoparticles. <i>ISRN Nanomaterials</i> , 2012, 2012, 1-8.	0.7	12
34	Fabrication of poly(caprolactone) nanofibers containing hydroxyapatite nanoparticles and their mineralization in a simulated body fluid. <i>Fibers and Polymers</i> , 2011, 12, 50-56.	2.1	11
35	Co ₃ O ₄ , ZnO, Co ₃ O ₄ -ZnO Nanofibers and Their Properties. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2011, 1, 196-202.	0.3	10
36	Gallium arsenide (GaAs) nanofibers by electrospinning technique as future energy server materials. <i>Fibers and Polymers</i> , 2010, 11, 384-390.	2.1	9

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37	Hybrid matrices of ZnO nanofibers with silicone for high water flux photocatalytic degradation of dairy effluent. <i>Materials Chemistry and Physics</i> , 2016, 181, 495-500.	4.0	7
38	Electrospun Nanofibers of p-Type CuO/n-type TZB-Gr Heterojunctions with Enhanced Photocatalytic Activity. <i>Materials Chemistry and Physics</i> , 2019, 232, 475-484.	4.0	7
39	Fabrication of Mineralized Collagen from Bovine Waste Materials by Hydrothermal Method as Promised Biomaterials. <i>Journal of Biomaterials and Tissue Engineering</i> , 2011, 1, 194-197.	0.1	7
40	Physiochemical characterizations of electrospun (ZnO<sup>2</sup>GeO2) nanofibers and their optical properties. <i>Journal of Materials Science</i> , 2010, 45, 3833-3840.	3.7	6
41	Composite nanofibers/water photosplitting and photocatalytic degradation of dairy effluent. <i>Separation and Purification Technology</i> , 2018, 192, 160-165.	7.9	6
42	Influences of Silver-Doping on the Crystal Structure, Morphology and Photocatalytic Activity of TiO<sub>2</sub> Nanofibers. <i>Materials Sciences and Applications</i> , 2011, 02, 1188-1193.	0.4	4
43	Point<sup>2</sup>bonded electrospun polystyrene fibrous mats fabricated via the addition of poly(butylacrylate) adhesive. <i>Polymer Engineering and Science</i> , 2011, 51, 894-901.	3.1	4
44	Preparing poly (caprolactone) micro-particles through solvent-induced phase separation. <i>Materials Letters</i> , 2012, 75, 189-191.	2.6	4
45	Electrospun Titania Oxide Nanofibers Coupled Zinc Oxide Nanobranches as a Novel Nanostructure for Lithium Ion Batteries Applications. <i>Bioceramics Development and Applications</i> , 2010, 1, 1-3.	0.3	4
46	Nanobiotechnology approach to fabricate polycaprolactone nanofibers containing solid titanium nanoparticles as future implant materials. <i>International Journal of Materials Research</i> , 2011, 102, 1481-1487.	0.3	3
47	Influences of Morphology and Doping on the Photoactivity of TiO2 Nanostructures. <i>Engineering Materials</i> , 2013, , 105-141.	0.6	0
48	Composites of Ceramic and Polymeric Nanofibers for Photocatalytic Degradation of Dairy Effluent. , 2020, , 149-164.		0