

Lin Tan

List of Publications by Year in descending order

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44
papers

975
citations

471509

17
h-index

454955

30
g-index

44
all docs

44
docs citations

44
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of multi-functional electrospun composite nanofibrous mats for smart wound healing. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 469-476.	7.5	88
2	Polymeric antibacterial materials: design, platforms and applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2802-2815.	5.8	86
3	Enhanced photocatalytic activity of Bi ₂ WO ₆ /TiO ₂ composite coated polyester fabric under visible light irradiation. <i>Applied Surface Science</i> , 2018, 435, 626-634.	6.1	74
4	Functional shape memory composite nanofibers with graphene oxide filler. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 76, 115-123.	7.6	67
5	Highly efficient visible-light photocatalyst based on cellulose derived carbon nanofiber/BiOBr composites. <i>Cellulose</i> , 2018, 25, 4133-4144.	4.9	50
6	Design of bilayered nanofibrous mats for wound dressing using an electrospinning technique. <i>Materials Letters</i> , 2015, 156, 46-49.	2.6	47
7	Preparation of silver/reduced graphene oxide coated polyester fabric for electromagnetic interference shielding. <i>RSC Advances</i> , 2017, 7, 40452-40461.	3.6	47
8	Improvement of filtration and antifouling performance of cellulose acetate membrane reinforced by dopamine modified cellulose nanocrystals. <i>Journal of Membrane Science</i> , 2021, 637, 119621.	8.2	45
9	High performance shape memory foams with isocyanate-modified hydroxyapatite nanoparticles for minimally invasive bone regeneration. <i>Ceramics International</i> , 2017, 43, 4794-4802.	4.8	32
10	Quick water-responsive shape memory hybrids with cellulose nanofibers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 767-775.	2.3	30
11	Facile scalable one-step wet-spinning of surgical sutures with shape memory function and antibacterial activity for wound healing. <i>Chinese Chemical Letters</i> , 2020, 31, 1499-1503.	9.0	30
12	Facile Fabrication of Sandwich Structural Membrane With a Hydrogel Nanofibrous Mat as Inner Layer for Wound Dressing Application. <i>Frontiers in Chemistry</i> , 2018, 6, 490.	3.6	27
13	Preparation of multi-functional fabric via silver/reduced graphene oxide coating with poly(diallyldimethylammonium chloride) modification. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8010-8019.	2.2	26
14	Facile synthesis of a triptycene-based porous organic polymer with a high efficiency and recyclable adsorption for organic dyes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47987.	2.6	25
15	Berberine-Incorporated Shape Memory Fiber Applied as a Novel Surgical Suture. <i>Frontiers in Pharmacology</i> , 2019, 10, 1506.	3.5	25
16	Polyhexamethylene biguanide chemically modified cotton with desirable hemostatic, inflammation-reducing, intrinsic antibacterial property for infected wound healing. <i>Chinese Chemical Letters</i> , 2022, 33, 2975-2981.	9.0	21
17	Study on the release behaviors of berberine hydrochloride based on sandwich nanostructure and shape memory effect. <i>Materials Science and Engineering C</i> , 2020, 109, 110541.	7.3	20
18	Fast-acting and highly rechargeable antibacterial composite nanofibrous membrane for protective applications. <i>Composites Science and Technology</i> , 2021, 202, 108574.	7.8	18

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19	Antibacterial and Antioxidant Composite Fiber Prepared from Polyurethane and Polyacrylonitrile Containing Tea Polyphenols. <i>Fibers and Polymers</i> , 2020, 21, 103-110.	2.1	16
20	Programmable Release of Berberine Chloride Hydrate from Shape Memory Fibers Prepared from Core-Sheath Wet-Spinning Technology. <i>Journal of Biomedical Nanotechnology</i> , 2019, 15, 1432-1442.	1.1	15
21	Local Elimination of Senescent Cells Promotes Bone Defect Repair during Aging. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3885-3899.	8.0	15
22	Transition sandwich Janus membrane of cellulose acetate and polyurethane nanofibers for oil/water separation. <i>Cellulose</i> , 2022, 29, 1841-1853.	4.9	15
23	Positively-charged microcrystalline cellulose microparticles: Rapid killing effect on bacteria, trapping behavior and excellent elimination efficiency of biofilm matrix from water environment. <i>Journal of Hazardous Materials</i> , 2022, 424, 127299.	12.4	14
24	Polyhexamethylene guanidine hydrochloride modified sodium alginate nonwoven with potent antibacterial and hemostatic properties for infected full-thickness wound healing. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 2142-2150.	7.5	14
25	Engineering an antibacterial nanofibrous membrane containing N-Halamine for recyclable wound dressing application. <i>Materials Today Communications</i> , 2020, 23, 100898.	1.9	13
26	Surface coating on aluminum substrate with polymeric guanidine derivative to protect jet fuel tanks from microbial contamination. <i>Surface and Coatings Technology</i> , 2021, 422, 127521.	4.8	12
27	A facile and eco-friendly strategy to prepare synthetic syntans for after-treatment of dyed nylon fabrics. <i>Dyes and Pigments</i> , 2017, 146, 199-202.	3.7	11
28	A recyclable and light-triggered nanofibrous membrane against the emerging fungal pathogen <i>Candida auris</i> . <i>PLoS Pathogens</i> , 2022, 18, e1010534.	4.7	11
29	Preparation and visible-light photocatalytic activity of bismuth tungstate/lotus fiber composite membrane. <i>Materials Letters</i> , 2018, 210, 16-19.	2.6	9
30	Preparation of cellulose nanocrystals and their application in reinforcing viscose filaments. <i>Cellulose</i> , 2020, 27, 10553-10565.	4.9	9
31	Improvement of filtration performance of polyvinyl chloride/cellulose acetate blend membrane via acid hydrolysis. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50312.	2.6	9
32	Synthesis and Characterization of Corn Starch Phthalate by a Semidry Method. <i>Starch/Staerke</i> , 2019, 71, 1800315.	2.1	8
33	A bio-based multi-functional composite film based on graphene and lotus fiber. <i>Cellulose</i> , 2019, 26, 1811-1823.	4.9	8
34	Preparation and Performance Evaluation of Antibacterial Melt-Spun Polyurethane Fiber Loaded with Berberine Hydrochloride. <i>Polymers</i> , 2021, 13, 2336.	4.5	7
35	Preparation and characterization of polyurethane-rheum rhabarbarum-zirconium phosphate composite fiber with antibacterial and antioxidant properties. <i>Materials Express</i> , 2021, 11, 123-132.	0.5	5
36	In situ generation of nano TiO ₂ on activated carbon fiber with enhanced photocatalytic degradation performance. <i>Research on Chemical Intermediates</i> , 2021, 47, 3769-3784.	2.7	5

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37	Polyhexamethylene biguanide hydrochloride anchored polymeric elastic fibers with robust antibacterial performance. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51633.	2.6	5
38	Wet Functionalization of Carbon Nanotubes and Its Applications in Rubber Composites. , 2019, , 77-108.		4
39	Polyurethane Composites and Nanocomposites for Biomedical Applications. , 2017, , 477-498.		3
40	Photodegradation of organic dyes by Bi ₂ WO ₆ coated cotton fabric modified with poly(diallyldimethylammoniumchloride) under visible light irradiation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1384-1391.	2.2	3
41	Wet Functionalization of Graphene and Its Applications in Rubber Composites. , 2019, , 285-322.		3
42	Ultra-high molecular weight polyethylene with improved crosslink density, oxidation stability, and microbial inhibition by chemical crosslinking and tea polyphenols for total joint replacements. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51261.	2.6	2
43	Study on the Preparation and Antioxidant Property of <i>Amaranthus Paniculatus</i> L. incorporated biomass composite fiber. <i>Materials Today: Proceedings</i> , 2019, 16, 1387-1393.	1.8	1
44	Cadmium-Rich Plant Powder/PAN/PU Foams with Low Thermal Conductivity. <i>Polymers</i> , 2022, 14, 2893.	4.5	0