

Wei Shao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,565
citations

20
h-index

39
g-index

44
ext. papers

1,915
ext. citations

6.7
avg, IF

4.95
L-index

#	Paper	IF	Citations
43	Electrospun PVA/gelatin based nanofiber membranes with synergistic antibacterial performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128196	5.1	1
42	Double crosslinked polyvinyl alcohol/gelatin/silver sulfadiazine sponges with excellent antibacterial performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 643, 128737	5.1	1
41	Preparation and characterization of self-healable and wearable hydrogels with ultrasensitive sensing performances. <i>Composites Part B: Engineering</i> , 2022 , 239, 109982	10	2
40	Recent progress in PNIPAM-based multi-responsive actuators: A mini-review. <i>Chemical Engineering Journal</i> , 2021 , 433, 133496	14.7	5
39	Sustainable, Highly Efficient and Superhydrophobic Fluorinated Silica Functionalized Chitosan Aerogel for Gravity-Driven Oil/Water Separation. <i>Gels</i> , 2021 , 7,	4.2	4
38	A Double cross-linked strategy to construct graphene aerogels with highly efficient methylene blue adsorption performance. <i>Chemosphere</i> , 2021 , 265, 129169	8.4	32
37	Development of intelligent/active food packaging film based on TEMPO-oxidized bacterial cellulose containing thymol and anthocyanin-rich purple potato extract for shelf life extension of shrimp. <i>Food Packaging and Shelf Life</i> , 2021 , 29, 100709	8.2	10
36	Antibacterial performance of Berberine loaded carrageenan/konjac glucomannan hydrogels. <i>Materials Express</i> , 2021 , 11, 1516-1522	1.3	1
35	Production and characterization of antimicrobial bacterial cellulose membranes with non-leaching activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 103, 232-238	6.3	5
34	UV-mediated synthesis of carboxymethyl cellulose/poly-N-isopropylacrylamide composite hydrogels with triple stimuli-responsive swelling performances. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 1140-1148	7.9	12
33	Antibacterial activity and long-term stable antibacterial performance of nisin grafted magnetic GO nanohybrids. <i>Materials Science and Engineering C</i> , 2020 , 111, 110809	8.3	6
32	Synthesis of Antibacterial Gelatin/Sodium Alginate Sponges and Their Antibacterial Activity. <i>Polymers</i> , 2020 , 12,	4.5	5
31	Construction of an efficient nonleaching graphene nanocomposites with enhanced contact antibacterial performance. <i>Chemical Engineering Journal</i> , 2020 , 382, 122906	14.7	11
30	Redox-responsive blend hydrogel films based on carboxymethyl cellulose/chitosan microspheres as dual delivery carrier. <i>International Journal of Biological Macromolecules</i> , 2019 , 134, 413-421	7.9	30
29	Development of gelatin/bacterial cellulose composite sponges as potential natural wound dressings. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 148-155	7.9	54
28	Facile and Green Preparation of Pectin/Cellulose Composite Films with Enhanced Antibacterial and Antioxidant Behaviors. <i>Polymers</i> , 2019 , 11,	4.5	11
27	Facile Construction of Functionalized GO Nanocomposites with Enhanced Antibacterial Activity. <i>Nanomaterials</i> , 2019 , 9,	5.4	7

26	Flexible Amoxicillin-Grafted Bacterial Cellulose Sponges for Wound Dressing: In Vitro and in Vivo Evaluation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5862-5870	9.5	134
25	Study on Adsorbing Dyes Property of Carbon Nanotubes Reinforced Sodium Alginate Nanocomposites 2018 ,		1
24	Synergistic antibacterial effect of tetracycline hydrochloride loaded functionalized graphene oxide nanostructures. <i>Nanotechnology</i> , 2018 , 29, 505102	3.4	15
23	Morphological, Release and Antibacterial Performances of Amoxicillin-Loaded Cellulose Aerogels. <i>Molecules</i> , 2018 , 23,	4.8	13
22	Green and Facile Preparation of Chitosan Sponges as Potential Wound Dressings. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9145-9152	8.3	49
21	Construction of silver sulfadiazine loaded chitosan composite sponges as potential wound dressings. <i>Carbohydrate Polymers</i> , 2017 , 157, 1963-1970	10.3	54
20	Novel bioactive surface functionalization of bacterial cellulose membrane. <i>Carbohydrate Polymers</i> , 2017 , 178, 270-276	10.3	64
19	Magnetic separable chitosan microcapsules decorated with silver nanoparticles for catalytic reduction of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2017 , 507, 353-359	9.3	37
18	Rheological and mechanical study of regenerated cellulose/multi-walled carbon nanotube composites. <i>Nanotechnology</i> , 2016 , 27, 395707	3.4	5
17	Ag-deposited hollow mesoporous silica microspheres for rapid decolorizing of dye pollutants. <i>Research on Chemical Intermediates</i> , 2016 , 42, 8321-8328	2.8	3
16	Graphene oxide reinforced NiP coatings for bacterial adhesion inhibition. <i>RSC Advances</i> , 2016 , 6, 46270-46277	3.7	13
15	Preparation of bacterial cellulose/graphene nanosheets composite films with enhanced mechanical performances. <i>Carbohydrate Polymers</i> , 2016 , 138, 166-71	10.3	48
14	Tetracycline hydrochloride loaded regenerated cellulose composite membranes with controlled release and efficient antibacterial performance. <i>RSC Advances</i> , 2016 , 6, 3068-3073	3.7	10
13	Controlled release and antibacterial activity of tetracycline hydrochloride-loaded bacterial cellulose composite membranes. <i>Carbohydrate Polymers</i> , 2016 , 145, 114-20	10.3	97
12	Preparation, antibacterial activity and pH-responsive release behavior of silver sulfadiazine loaded bacterial cellulose for wound dressing applications. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 63, 404-410	5.3	28
11	Synthesis and antimicrobial activity of copper nanoparticle loaded regenerated bacterial cellulose membranes. <i>RSC Advances</i> , 2016 , 6, 65879-65884	3.7	48
10	Facile synthesis of monodisperse of hollow mesoporous SiO ₂ nanoparticles and in-situ growth of Ag nanoparticles for antibacterial. <i>Journal of Colloid and Interface Science</i> , 2016 , 474, 114-8	9.3	23
9	Development of silver sulfadiazine loaded bacterial cellulose/sodium alginate composite films with enhanced antibacterial property. <i>Carbohydrate Polymers</i> , 2015 , 132, 351-8	10.3	97

8	pH-responsive release behavior and anti-bacterial activity of bacterial cellulose-silver nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2015 , 76, 209-17	7.9	64
7	Preparation, characterization, and antibacterial activity of silver nanoparticle-decorated graphene oxide nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6966-73	9.5	364
6	Anti-bacterial performances and biocompatibility of bacterial cellulose/graphene oxide composites. <i>RSC Advances</i> , 2015 , 5, 4795-4803	3.7	98
5	Study on the poly(3-hydroxybutyrate-co β -hydroxybutyrate)-based composites toughened by synthesized polyester polyurethane elastomer. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	1
4	Mechanical and Anti-Corrosion Properties of TiO ₂ Nanoparticle Reinforced Ni Coating by Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2012 , 159, D671-D676	3.9	33
3	Influence of interaction energy between Si-doped diamond-like carbon films and bacteria on bacterial adhesion under flow conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 133-9	5.4	6
2	Effect of corrosion rate and surface energy of silver coatings on bacterial adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 98-103	6	35
1	Influence of reducers on nanostructure and surface energy of silver coatings and bacterial adhesion. <i>Surface and Coatings Technology</i> , 2010 , 204, 1288-1294	4.4	28