Wei Shao

List of Publications by Citations

43	1,565	20	39
papers	citations	h-index	g-index
44	1,915	6.7	4.95
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
43	Preparation, characterization, and antibacterial activity of silver nanoparticle-decorated graphene oxide nanocomposite. *ACS Applied Materials & Interfaces*, **2015**, 7, 6966-73	9.5	364
42	Flexible Amoxicillin-Grafted Bacterial Cellulose Sponges for Wound Dressing: In Vitro and in Vivo Evaluation. *ACS Applied Materials & Interfaces*, **2018**, 10, 5862-5870	9.5	134
41	Anti-bacterial performances and biocompatibility of bacterial cellulose/graphene oxide composites. *RSC Advances*, **2015**, 5, 4795-4803	3.7	98
40	Development of silver sulfadiazine loaded bacterial cellulose/sodium alginate composite films with enhanced antibacterial property. *Carbohydrate Polymers*, **2015**, 132, 351-8	10.3	97
39	Controlled release and antibacterial activity of tetracycline hydrochloride-loaded bacterial cellulose composite membranes. *Carbohydrate Polymers*, **2016**, 145, 114-20	10.3	97
38	pH-responsive release behavior and anti-bacterial activity of bacterial cellulose-silver nanocomposites. *International Journal of Biological Macromolecules*, **2015**, 76, 209-17	7.9	64
37	Novel bioactive surface functionalization of bacterial cellulose membrane. *Carbohydrate Polymers*, **2017**, 178, 270-276	10.3	64
36	Construction of silver sulfadiazine loaded chitosan composite sponges as potential wound dressings. *Carbohydrate Polymers*, **2017**, 157, 1963-1970	10.3	54
35	Development of gelatin/bacterial cellulose composite sponges as potential natural wound dressings. *International Journal of Biological Macromolecules*, **2019**, 133, 148-155	7.9	54
34	Green and Facile Preparation of Chitosan Sponges as Potential Wound Dressings. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9145-9152	8.3	49
33	Preparation of bacterial cellulose/graphene nanosheets composite films with enhanced mechanical performances. *Carbohydrate Polymers*, **2016**, 138, 166-71	10.3	48
32	Synthesis and antimicrobial activity of copper nanoparticle loaded regenerated bacterial cellulose membranes. *RSC Advances*, **2016**, 6, 65879-65884	3.7	48
31	Magnetic separable chitosan microcapsules decorated with silver nanoparticles for catalytic reduction of 4-nitrophenol. *Journal of Colloid and Interface Science*, **2017**, 507, 353-359	9.3	37
30	Effect of corrosion rate and surface energy of silver coatings on bacterial adhesion. *Colloids and Surfaces B: Biointerfaces*, **2010**, 76, 98-103	6	35
29	Mechanical and Anti-Corrosion Properties of TiO2Nanoparticle Reinforced Ni Coating by Electrodeposition. *Journal of the Electrochemical Society*, **2012**, 159, D671-D676	3.9	33
28	A Double cross-linked strategy to construct graphene aerogels with highly efficient methylene blue adsorption performance. *Chemosphere*, **2021**, 265, 129169	8.4	32
27	Redox-responsive blend hydrogel films based on carboxymethyl cellulose/chitosan microspheres as dual delivery carrier. *International Journal of Biological Macromolecules*, **2019**, 134, 413-421	7.9	30

26	Preparation, antibacterial activity and pH-responsive release behavior of silver sulfadiazine loaded bacterial cellulose for wound dressing applications. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 63, 404-410	5.3	28
25	Influence of reducers on nanostructure and surface energy of silver coatings and bacterial adhesion. *Surface and Coatings Technology*, **2010**, 204, 1288-1294	4.4	28
24	Facile synthesis of monodisperse of hollow mesoporous SiO2 nanoparticles and in-situ growth of Ag nanoparticles for antibacterial. *Journal of Colloid and Interface Science*, **2016**, 474, 114-8	9.3	23
23	Synergistic antibacterial effect of tetracycline hydrochloride loaded functionalized graphene oxide nanostructures. *Nanotechnology*, **2018**, 29, 505102	3.4	15
22	Graphene oxide reinforced Ni-P coatings for bacterial adhesion inhibition. *RSC Advances*, **2016**, 6, 46270-46277	3.7	13
21	Morphological, Release and Antibacterial Performances of Amoxicillin-Loaded Cellulose Aerogels. *Molecules*, **2018**, 23,	4.8	13
20	UV-mediated synthesis of carboxymethyl cellulose/poly-N-isopropylacrylamide composite hydrogels with triple stimuli-responsive swelling performances. *International Journal of Biological Macromolecules*, **2020**, 161, 1140-1148	7.9	12
19	Facile and Green Preparation of Pectin/Cellulose Composite Films with Enhanced Antibacterial and Antioxidant Behaviors. *Polymers*, **2019**, 11,	4.5	11
18	Construction of an efficient nonleaching graphene nanocomposites with enhanced contact antibacterial performance. *Chemical Engineering Journal*, **2020**, 382, 122906	14.7	11
17	Tetracycline hydrochloride loaded regenerated cellulose composite membranes with controlled release and efficient antibacterial performance. *RSC Advances*, **2016**, 6, 3068-3073	3.7	10
16	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. *Food Packaging and Shelf Life*, **2021**, 29, 100709	8.2	10
15	Facile Construction of Functionalized GO Nanocomposites with Enhanced Antibacterial Activity. *Nanomaterials*, **2019**, 9,	5.4	7
14	Antibacterial activity and long-term stable antibacterial performance of nisin grafted magnetic GO nanohybrids. *Materials Science and Engineering C*, **2020**, 111, 110809	8.3	6
13	Influence of interaction energy between Si-doped diamond-like carbon films and bacteria on bacterial adhesion under flow conditions. *Journal of Biomedical Materials Research - Part A*, **2010**, 93, 133-9	5.4	6
12	Rheological and mechanical study of regenerated cellulose/multi-walled carbon nanotube composites. *Nanotechnology*, **2016**, 27, 395707	3.4	5
11	Recent progress in PNIPAM-based multi-responsive actuators: A mini-review. *Chemical Engineering Journal*, **2021**, 433, 133496	14.7	5
10	Synthesis of Antibacterial Gelatin/Sodium Alginate Sponges and Their Antibacterial Activity. *Polymers*, **2020**, 12,	4.5	5
9	Production and characterization of antimicrobial bacterial cellulose membranes with non-leaching activity. *Journal of Industrial and Engineering Chemistry*, **2021**, 103, 232-238	6.3	5

8	Sustainable, Highly Efficient and Superhydrophobic Fluorinated Silica Functionalized Chitosan Aerogel for Gravity-Driven Oil/Water Separation. *Gels*, **2021**, 7,	4.2	4
7	Ag-deposited hollow mesoporous silica microspheres for rapid decolorizing of dye pollutants. *Research on Chemical Intermediates*, **2016**, 42, 8321-8328	2.8	3
6	Preparation and characterization of self-healable and wearable hydrogels with ultrasensitive sensing performances. *Composites Part B: Engineering*, **2022**, 239, 109982	10	2
5	Study on the poly(3-hydroxybutyrate-co-4-hydroxybutyrate)-based composites toughened by synthesized polyester polyurethane elastomer. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	1
4	Electrospun PVA/gelatin based nanofiber membranes with synergistic antibacterial performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 637, 128196	5.1	1
3	Study on Adsorpting Dyes Property of Carbon Nanotubes Reinforced Sodium Alginate Nanocomposites **2018**,		1
2	Antibacterial performance of Berberine loaded carrageenan/konjac glucomannan hydrogels. *Materials Express*, **2021**, 11, 1516-1522	1.3	1
1	Double crosslinked polyvinyl alcohol/gelatin/silver sulfadiazine sponges with excellent antibacterial performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 643, 128737	5.1	1