

# Wei Shao

## List of Publications by Year in descending order

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44  
papers

2,284  
citations

279487

23  
h-index

264894

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, Characterization, and Antibacterial Activity of Silver Nanoparticle-Decorated Graphene Oxide Nanocomposite. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6966-6973.	4.0	462
2	Flexible Amoxicillin-Grafted Bacterial Cellulose Sponges for Wound Dressing: In Vitro and in Vivo Evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5862-5870.	4.0	187
3	Controlled release and antibacterial activity of tetracycline hydrochloride-loaded bacterial cellulose composite membranes. <i>Carbohydrate Polymers</i> , 2016, 145, 114-120.	5.1	137
4	Development of silver sulfadiazine loaded bacterial cellulose/sodium alginate composite films with enhanced antibacterial property. <i>Carbohydrate Polymers</i> , 2015, 132, 351-358.	5.1	130
5	Anti-bacterial performances and biocompatibility of bacterial cellulose/graphene oxide composites. <i>RSC Advances</i> , 2015, 5, 4795-4803.	1.7	114
6	Novel bioactive surface functionalization of bacterial cellulose membrane. <i>Carbohydrate Polymers</i> , 2017, 178, 270-276.	5.1	87
7	Development of gelatin/bacterial cellulose composite sponges as potential natural wound dressings. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 148-155.	3.6	82
8	Construction of silver sulfadiazine loaded chitosan composite sponges as potential wound dressings. <i>Carbohydrate Polymers</i> , 2017, 157, 1963-1970.	5.1	78
9	A Double cross-linked strategy to construct graphene aerogels with highly efficient methylene blue adsorption performance. <i>Chemosphere</i> , 2021, 265, 129169.	4.2	75
10	pH-responsive release behavior and anti-bacterial activity of bacterial cellulose-silver nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 209-217.	3.6	72
11	Preparation of bacterial cellulose/graphene nanosheets composite films with enhanced mechanical performances. <i>Carbohydrate Polymers</i> , 2016, 138, 166-171.	5.1	68
12	Green and Facile Preparation of Chitosan Sponges as Potential Wound Dressings. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9145-9152.	3.2	65
13	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.	3.6	59
14	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.	3.3	59
15	Synthesis and antimicrobial activity of copper nanoparticle loaded regenerated bacterial cellulose membranes. <i>RSC Advances</i> , 2016, 6, 65879-65884.	1.7	57
16	Mechanical and Anti-Corrosion Properties of TiO <sub>2</sub> Nanoparticle Reinforced Ni Coating by Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2012, 159, D671-D676.	1.3	50
17	Recent progress in PNIPAM-based multi-responsive actuators: A mini-review. <i>Chemical Engineering Journal</i> , 2022, 433, 133496.	6.6	48
18	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.	5.0	47

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19	Effect of corrosion rate and surface energy of silver coatings on bacterial adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 98-103.	2.5	39
20	Facile synthesis of monodisperse of hollow mesoporous SiO <sub>2</sub> nanoparticles and in-situ growth of Ag nanoparticles for antibacterial. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 114-118.	5.0	34
21	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.	2.7	34
22	Influence of reducers on nanostructure and surface energy of silver coatings and bacterial adhesion. <i>Surface and Coatings Technology</i> , 2010, 204, 1288-1294.	2.2	33
23	Morphological, Release and Antibacterial Performances of Amoxicillin-Loaded Cellulose Aerogels. <i>Molecules</i> , 2018, 23, 2082.	1.7	24
24	Facile and Green Preparation of Pectin/Cellulose Composite Films with Enhanced Antibacterial and Antioxidant Behaviors. <i>Polymers</i> , 2019, 11, 57.	2.0	22
25	Synergistic antibacterial effect of tetracycline hydrochloride loaded functionalized graphene oxide nanostructures. <i>Nanotechnology</i> , 2018, 29, 505102.	1.3	21
26	Graphene oxide reinforced Ni@P coatings for bacterial adhesion inhibition. <i>RSC Advances</i> , 2016, 6, 46270-46277.	1.7	18
27	Construction of an efficient nonleaching graphene nanocomposites with enhanced contact antibacterial performance. <i>Chemical Engineering Journal</i> , 2020, 382, 122906.	6.6	18
28	Synthesis of Antibacterial Gelatin/Sodium Alginate Sponges and Their Antibacterial Activity. <i>Polymers</i> , 2020, 12, 1926.	2.0	18
29	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.	3.6	18
30	Electrospun PVA/gelatin based nanofiber membranes with synergistic antibacterial performance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128196.	2.3	18
31	Preparation and characterization of self-healable and wearable hydrogels with ultrasensitive sensing performances. <i>Composites Part B: Engineering</i> , 2022, 239, 109982.	5.9	17
32	Tetracycline hydrochloride loaded regenerated cellulose composite membranes with controlled release and efficient antibacterial performance. <i>RSC Advances</i> , 2016, 6, 3068-3073.	1.7	14
33	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, 93A, 133-139.	2.1	12
34	Antibacterial activity and long-term stable antibacterial performance of nisin grafted magnetic GO nanohybrids. <i>Materials Science and Engineering C</i> , 2020, 111, 110809.	3.8	12
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.	2.9	11
36	Facile Construction of Functionalized GO Nanocomposites with Enhanced Antibacterial Activity. <i>Nanomaterials</i> , 2019, 9, 913.	1.9	10

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37	Sustainable, Highly Efficient and Superhydrophobic Fluorinated Silica Functionalized Chitosan Aerogel for Gravity-Driven Oil/Water Separation. <i>Gels</i> , 2021, 7, 66.	2.1	10
38	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.	2.3	8
39	Rheological and mechanical study of regenerated cellulose/multi-walled carbon nanotube composites. <i>Nanotechnology</i> , 2016, 27, 395707.	1.3	5
40	Antibacterial performance of Berberine loaded carrageenan/konjac glucomannan hydrogels. <i>Materials Express</i> , 2021, 11, 1516-1522.	0.2	4
41	Study on the poly(3-hydroxybutyrate-co-4-hydroxybutyrate)-based composites toughened by synthesized polyester polyurethane elastomer. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	3
42	Ag-deposited hollow mesoporous silica microspheres for rapid decolorizing of dye pollutants. <i>Research on Chemical Intermediates</i> , 2016, 42, 8321-8328.	1.3	3
43	Study on Adsorpting Dyes Property of Carbon Nanotubes Reinforced Sodium Alginate Nanocomposites. , 2018, , .		1
44	FACILE GREEN FABRICATION OF ANTIBACTERIAL ZNO NANOPARTICLES. , 2016, , .		0