

# Hao Yang

## List of Publications by Citations

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68

papers

3,147

citations

27

h-index

55

g-index

71

ext. papers

3,758

ext. citations

6.4

avg, IF

5.5

L-index

#	Paper	IF	Citations
68	Novel Asymmetric Wetttable AgNPs/Chitosan Wound Dressing: In Vitro and In Vivo Evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3958-68	9.5	256
67	Nature-Inspired Strategy toward Superhydrophobic Fabrics for Versatile Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9184-9194	9.5	247
66	Size-dependent antibacterial activities of silver nanoparticles against oral anaerobic pathogenic bacteria. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 1465-71	4.5	247
65	Enhanced antibacterial and wound healing activities of microporous chitosan-Ag/ZnO composite dressing. <i>Carbohydrate Polymers</i> , <b>2017</b> , 156, 460-469	10.3	246
64	Facile preparation of super-hydrophobic and super-oleophilic silica film on stainless steel mesh via sol-gel process. <i>Applied Surface Science</i> , <b>2010</b> , 256, 4095-4102	6.7	160
63	Ultrasonic-microwave assisted synthesis of stable reduced graphene oxide modified melamine foam with superhydrophobicity and high oil adsorption capacities. <i>Chemical Engineering Journal</i> , <b>2016</b> , 306, 504-511	14.7	156
62	A magnetic superhydrophilic/oleophobic sponge for continuous oil-water separation. <i>Chemical Engineering Journal</i> , <b>2017</b> , 309, 366-373	14.7	124
61	Underwater superoleophobic mesh based on BiVO <sub>4</sub> nanoparticles with sunlight-driven self-cleaning property for oil/water separation. <i>Chemical Engineering Journal</i> , <b>2017</b> , 320, 342-351	14.7	107
60	Size-tunable fabrication of multifunctional Bi <sub>2</sub> O <sub>3</sub> porous nanospheres for photocatalysis, bacteria inactivation and template-synthesis. <i>Nanoscale</i> , <b>2014</b> , 6, 5402-9	7.7	99
59	Recyclable and biodegradable superhydrophobic and superoleophilic chitosan sponge for the effective removal of oily pollutants from water. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 423-432	14.7	82
58	Highly responsive and broadband photodetectors based on WS <sub>2</sub> /graphene van der Waals epitaxial heterostructures. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1494-1500	7.1	79
57	Monoclinic BiVO <sub>4</sub> micro-/nanostructures: Microwave and ultrasonic wave combined synthesis and their visible-light photocatalytic activities. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 551, 544-550	5.7	75
56	Facile Microwave Synthesis of 3D Flowerlike BiOBr Nanostructures and Their Excellent Cr(VI) Removal Capacity. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 2508-2513	2.3	62
55	Edible Pickering emulsion stabilized by protein fibrils. Part 1: Effects of pH and fibrils concentration. <i>LWT - Food Science and Technology</i> , <b>2017</b> , 76, 1-8	5.4	59
54	Preparation of ultrathin, robust membranes through reactive layer-by-layer (LbL) assembly for pervaporation dehydration. <i>Journal of Membrane Science</i> , <b>2017</b> , 537, 229-238	9.6	54
53	Preparation and biological activity studies of resveratrol loaded ionically cross-linked chitosan-TPP nanoparticles. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 170-177	10.3	53
52	Functional silica film on stainless steel mesh with tunable wettability. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 5387-5393	4.4	51

51	Formation of fibrous or granular egg white protein microparticles and properties of the integrated emulsions. <i>Food Hydrocolloids</i> , <b>2016</b> , 61, 477-486	10.6	49
50	Robust coating with superhydrophobic and self-cleaning properties in either air or oil based on natural zeolite. <i>Surface and Coatings Technology</i> , <b>2017</b> , 309, 1045-1051	4.4	48
49	Characterization and emulsifying properties of $\beta$ -lactoglobulin-gum Acacia Seyal conjugates prepared via the Maillard reaction. <i>Food Chemistry</i> , <b>2017</b> , 214, 614-621	8.5	40
48	Preparation and anti-icing properties of a superhydrophobic silicone coating on asphalt mixture. <i>Construction and Building Materials</i> , <b>2018</b> , 189, 227-235	6.7	37
47	Ag-decorated Bi <sub>2</sub> O <sub>3</sub> nanospheres with enhanced visible-light-driven photocatalytic activities for water treatment. <i>RSC Advances</i> , <b>2015</b> , 5, 69312-69318	3.7	36
46	Controllable microwave and ultrasonic wave combined synthesis of ZnO micro-/nanostructures in HEPES solution and their shape-dependent photocatalytic activities. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 567, 1-9	5.7	36
45	Ultrasonic-microwave synthesis of ZnO/BiOBr functionalized cotton fabrics with antibacterial and photocatalytic properties. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 162-171	10.3	33
44	Preparation, characterization, and properties of fluorine-free superhydrophobic paper based on layer-by-layer assembly. <i>Carbohydrate Polymers</i> , <b>2017</b> , 178, 228-237	10.3	32
43	Design of a superhydrophobic and superoleophilic film using cured fluoropolymer@silica hybrid. <i>Applied Surface Science</i> , <b>2016</b> , 388, 268-273	6.7	31
42	Facile synthesis of Ag/AgCl/BiOCl ternary nanocomposites for photocatalytic inactivation of <i>S. aureus</i> under visible light. <i>RSC Advances</i> , <b>2016</b> , 6, 52264-52270	3.7	30
41	Investigation on curdlan dissociation by heating in water. <i>Food Hydrocolloids</i> , <b>2017</b> , 70, 57-64	10.6	26
40	Antibacterial activity and mechanism of Ag/ZnO nanocomposite against anaerobic oral pathogen <i>Streptococcus mutans</i> . <i>Journal of Materials Science: Materials in Medicine</i> , <b>2017</b> , 28, 23	4.5	26
39	Enhanced antibacterial activity and mechanism studies of Ag/Bi <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Advanced Powder Technology</i> , <b>2018</b> , 29, 2082-2090	4.6	25
38	A novel positively charged composite nanofiltration membrane based on polyethyleneimine with a tunable active layer structure developed interfacial polymerization.. <i>RSC Advances</i> , <b>2019</b> , 9, 10796-10806	2.7	24
37	Synergistic antibacterial effect of BiS nanospheres combined with ineffective antibiotic gentamicin against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 168, 38-45	4.2	23
36	Si, Sr, Ag co-doped hydroxyapatite/TiO coating: enhancement of its antibacterial activity and osteoinductivity.. <i>RSC Advances</i> , <b>2019</b> , 9, 13348-13364	3.7	23
35	A functionalized Sm/Sr doped TiO <sub>2</sub> nanotube array on titanium implant enables exceptional bone-implant integration and also self-antibacterial activity. <i>Ceramics International</i> , <b>2020</b> , 46, 14796-14807	5.1	23
34	Facile solvothermal synthesis of uniform sponge-like Bi <sub>2</sub> SiO <sub>5</sub> hierarchical nanostructure and its application in Cr(VI) removal. <i>Materials Letters</i> , <b>2012</b> , 77, 25-28	3.3	23

33	The influence of non-ionic surfactant on lipid digestion of gum Arabic stabilized oil-in-water emulsion. <i>Food Hydrocolloids</i> , <b>2018</b> , 74, 78-86	10.6	23
32	Photoinduced switchable wettability of bismuth coating with hierarchical dendritic structure between superhydrophobicity and superhydrophilicity. <i>Applied Surface Science</i> , <b>2015</b> , 353, 735-743	6.7	22
31	Stearic Acid-Modified Starch/Chitosan Composite Sponge with Asymmetric and Gradient Wettability for Wound Dressing.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 171-181	4.1	21
30	Fabrication of a superhydrophobic and high-glossy copper coating on aluminum substrates. <i>Applied Surface Science</i> , <b>2018</b> , 433, 1192-1196	6.7	20
29	HEPES and polyol mediated solvothermal synthesis of hierarchical porous ZnO microspheres and their improved photocatalytic activity. <i>Materials Letters</i> , <b>2014</b> , 130, 115-119	3.3	20
28	Synergistic effects of lanthanum and strontium to enhance the osteogenic activity of TiO2 nanotube biological interface. <i>Ceramics International</i> , <b>2020</b> , 46, 13969-13979	5.1	19
27	Biofunctional Sr- and Si-loaded titania nanotube coating of Ti surfaces by anodization-hydrothermal process. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 633-640	7.3	19
26	Preparation and characterization of a novel positively charged composite hollow fiber nanofiltration membrane based on chitosan lactate.. <i>RSC Advances</i> , <b>2019</b> , 9, 4361-4369	3.7	19
25	Novel ternary vancomycin/strontium doped hydroxyapatite/graphene oxide bioactive composite coatings electrodeposited on titanium substrate for orthopedic applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 603, 125223	5.1	18
24	Gallium loading into a polydopamine-functionalised SrTiO3 nanotube with combined osteoinductive and antimicrobial activities. <i>Ceramics International</i> , <b>2019</b> , 45, 22183-22195	5.1	18
23	Fluoropolymer/SiO2 composite films with switchable superoleophilicity and high oleophobicity for antifouling permeation. <i>Applied Surface Science</i> , <b>2013</b> , 280, 113-116	6.7	18
22	Porous and ultrafine nitrogen-doped carbon nanofibers from bacterial cellulose with superior adsorption capacity for adsorption removal of low-concentration 4-chlorophenol. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127411	14.7	17
21	Amino acid composition and nutritional value evaluation of Chinese chestnut ( Blume) and its protein subunit.. <i>RSC Advances</i> , <b>2018</b> , 8, 2653-2659	3.7	15
20	Shape-dependent photocatalytic activities of bismuth subcarbonate nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 4028-34	1.3	15
19	A pH-stable positively charged composite nanofiltration membrane with excellent rejection performance.. <i>RSC Advances</i> , <b>2019</b> , 9, 37546-37555	3.7	15
18	Edible Pickering emulsion stabilized by protein fibrils: Part 2. Effect of dipalmitoyl phosphatidylcholine (DPPC). <i>Food Hydrocolloids</i> , <b>2017</b> , 71, 245-251	10.6	13
17	Microwave-Ultrasonic Synergistically Assisted Synthesis of ZnO Coated Cotton Fabrics with an Enhanced Antibacterial Activity and Stability.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 340-346	4.1	13
16	Novel nano-particulated exopolysaccharide produced by Klebsiella sp. PHRC1.001. <i>Carbohydrate Polymers</i> , <b>2017</b> , 171, 252-258	10.3	13

15	A cross-linked coating decorated mesh prepared by brush-painting method for oil-in-water emulsions separation. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 242, 122541	4.4	13
14	Rapid Antibiofilm Effect of Ag/ZnO Nanocomposites Assisted by Dental LED Curing Light against Facultative Anaerobic Oral Pathogen. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 2030-2040	5.5	11
13	Silver nanowires on acid-alkali-treated titanium surface: Bacterial attachment and osteogenic activity. <i>Ceramics International</i> , <b>2019</b> , 45, 24528-24537	5.1	10
12	Improving the anti-fouling property and permeate flux of hollow fiber composite nanofiltration membrane using Cyclodextrin. <i>Scientific Reports</i> , <b>2019</b> , 9, 12435	4.9	9
11	Preparation of multifunctional poly(l-lactic acid) film using heparin-mimetic polysaccharide multilayers: Hemocompatibility, cytotoxicity, antibacterial and drug loading/releasing properties. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 14-26	7.9	9
10	Tunable surface wettability and water adhesion of Sb <sub>2</sub> S <sub>3</sub> micro-/nanorod films. <i>Applied Surface Science</i> , <b>2014</b> , 289, 425-429	6.7	9
9	Reversibly photo-switchable wettability of stearic acid monolayer modified bismuth-based micro-/nanomaterials. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 31666-31674	3.6	9
8	Synergistic antibacterial mechanism of BiTe nanoparticles combined with the ineffective $\beta$ -lactam antibiotic cefotaxime against methicillin-resistant Staphylococcus aureus. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 196, 110687	4.2	8
7	Room-temperature fabrication of superhydrophobic covalent organic framework (COF) decorated cotton fabric for high-flux water-in-oil emulsion separation. <i>Chemical Communications</i> , <b>2021</b> , 57, 11533-11536	5.8	7
6	Solvothermal Synthesis of Layered BiOCl Nanosheets and Their Efficient VisibleLight-Induced Photocatalytic Activities. <i>Science of Advanced Materials</i> , <b>2013</b> , 5, 1024-1031	2.3	6
5	Effect of aggregate size on liquid absorption characteristics of konjac glucomannan superabsorbent. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45416	2.9	5
4	Janus copper mesh with asymmetric wettability for on-demand oil/water separation and direction-independent fog collection. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105899	6.8	5
3	Effects of Ag/ZnO nanocomposite at sub-minimum inhibitory concentrations on virulence factors of Streptococcus mutans. <i>Archives of Oral Biology</i> , <b>2020</b> , 111, 104640	2.8	4
2	"Dual-functional" strontium titanate nanotubes designed based on fusion peptides simultaneously enhancing anti-infection and osseointegration.. <i>Materials Science and Engineering C</i> , <b>2022</b> , 112650	8.3	1
1	FACILE FABRICATION OF GRADIENT SURFACE BASED ON (METH)ACRYLATE COPOLYMER FILMS. <i>Surface Review and Letters</i> , <b>2016</b> , 23, 1550080	1.1	