

Zhong Lu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

46
papers

2,485
citations

26
h-index

47
g-index

47
ext. papers

2,799
ext. citations

5
avg, IF

5
L-index

#	Paper	IF	Citations
46	Proteomics of to Reveal the Antibiofilm Formation Mechanism of Ag/ZnO Nanocomposites with Light-Emitting Diode Radiation. <i>International Journal of Nanomedicine</i> , 2021 , 16, 7741-7757	7.3	
45	Effects of Ag/ZnO nanocomposite at sub-minimum inhibitory concentrations on virulence factors of <i>Streptococcus mutans</i> . <i>Archives of Oral Biology</i> , 2020 , 111, 104640	2.8	4
44	Synergistic antibacterial mechanism of BiTe nanoparticles combined with the ineffective β -lactam antibiotic cefotaxime against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Inorganic Biochemistry</i> , 2019 , 196, 110687	4.2	8
43	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> , 2019 , 5, 2030-2040	5.5	11
42	Microwave-Ultrasonic Synergistically Assisted Synthesis of ZnO Coated Cotton Fabrics with an Enhanced Antibacterial Activity and Stability.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 340-346	4.1	13
41	Ultrasonic-microwave synthesis of ZnO/BiOBr functionalized cotton fabrics with antibacterial and photocatalytic properties. <i>Carbohydrate Polymers</i> , 2018 , 201, 162-171	10.3	33
40	Enhanced antibacterial activity and mechanism studies of Ag/Bi ₂ O ₃ nanocomposites. <i>Advanced Powder Technology</i> , 2018 , 29, 2082-2090	4.6	25
39	Underwater superoleophobic mesh based on BiVO ₄ nanoparticles with sunlight-driven self-cleaning property for oil/water separation. <i>Chemical Engineering Journal</i> , 2017 , 320, 342-351	14.7	107
38	Synergistic antibacterial effect of BiS nanospheres combined with ineffective antibiotic gentamicin against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Inorganic Biochemistry</i> , 2017 , 168, 38-45	4.2	23
37	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> , 2017 , 28, 23	4.5	26
36	Enhanced antibacterial and wound healing activities of microporous chitosan-Ag/ZnO composite dressing. <i>Carbohydrate Polymers</i> , 2017 , 156, 460-469	10.3	246
35	Preparation and biological activity studies of resveratrol loaded ionically cross-linked chitosan-TPP nanoparticles. <i>Carbohydrate Polymers</i> , 2017 , 175, 170-177	10.3	53
34	Design of a superhydrophobic and superoleophilic film using cured fluoropolymer@silica hybrid. <i>Applied Surface Science</i> , 2016 , 388, 268-273	6.7	31
33	Novel Asymmetric Wettable AgNPs/Chitosan Wound Dressing: In Vitro and In Vivo Evaluation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3958-68	9.5	256
32	Facile synthesis of Ag/AgCl/BiOCl ternary nanocomposites for photocatalytic inactivation of <i>S. aureus</i> under visible light. <i>RSC Advances</i> , 2016 , 6, 52264-52270	3.7	30
31	Photoinduced switchable wettability of bismuth coating with hierarchical dendritic structure between superhydrophobicity and superhydrophilicity. <i>Applied Surface Science</i> , 2015 , 353, 735-743	6.7	22
30	Ag-decorated Bi ₂ O ₃ nanospheres with enhanced visible-light-driven photocatalytic activities for water treatment. <i>RSC Advances</i> , 2015 , 5, 69312-69318	3.7	36

29	HEPES-involved hydrothermal synthesis of Fe ₃ O ₄ nanoparticles and their biological application. <i>RSC Advances</i> , 2015 , 5, 5059-5067	3-7	25
28	N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic Acid-assisted Liquid-phase Growth of Au@Pd Core/Shell Nanoparticles with High Catalytic Activity. <i>Chemistry Letters</i> , 2015 , 44, 1371-1373	1-7	4
27	HEPES and polyol mediated solvothermal synthesis of hierarchical porous ZnO microspheres and their improved photocatalytic activity. <i>Materials Letters</i> , 2014 , 130, 115-119	3-3	20
26	Citrate/Urea/Solvent Mediated Self-Assembly of (BiO) ₂ CO ₃ Hierarchical Nanostructures and Their Associated Photocatalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 12604-9	261-23	
25	Monoclinic BiVO ₄ micro-/nanostructures: Microwave and ultrasonic wave combined synthesis and their visible-light photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 544-550	5-7	75
24	Size-dependent antibacterial activities of silver nanoparticles against oral anaerobic pathogenic bacteria. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 1465-71	4-5	247
23	Highly selective antibacterial activities of silver nanoparticles against <i>Bacillus subtilis</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 6806-13	1-3	65
22	Facile solvothermal synthesis of uniform sponge-like Bi ₂ SiO ₅ hierarchical nanostructure and its application in Cr(VI) removal. <i>Materials Letters</i> , 2012 , 77, 25-28	3-3	23
21	Facile Microwave Synthesis of 3D Flowerlike BiOBr Nanostructures and Their Excellent CrVI Removal Capacity. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2508-2513	2-3	62
20	Cytotoxicity and inhibition of lipid peroxidation activity of resveratrol/cyclodextrin inclusion complexes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012 , 73, 313-320		25
19	Shape-dependent photocatalytic activities of bismuth subcarbonate nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 4028-34	1-3	15
18	Large-scale synthesis of bismuth hollow nanospheres for highly efficient Cr(VI) removal. <i>Dalton Transactions</i> , 2012 , 41, 11263-6	4-3	50
17	BiO ₂ COOH hierarchical nanostructures: Shape-controlled solvothermal synthesis and photocatalytic degradation performances. <i>CrystEngComm</i> , 2011 , 13, 2381	3-3	82
16	Large-scale synthesis of bismuth sulfide nanorods by microwave irradiation. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2116-2126	5-7	34
15	Microwave-assisted facile synthesis of palladium nanoparticles in HEPES solution and their size-dependent catalytic activities to Suzuki reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 7794-801	1-3	17
14	Fabrication of ordered flower-like ZnO nanostructures by a microwave and ultrasonic combined technique and their enhanced photocatalytic activity. <i>Materials Letters</i> , 2011 , 65, 3440-3443	3-3	49
13	Microwave synthesis of BiPO ₄ nanostructures and their morphology-dependent photocatalytic performances. <i>Journal of Colloid and Interface Science</i> , 2011 , 363, 497-503	9-3	140
12	Hydrothermal synthesis and properties of controlled Fe ₂ O ₃ nanostructures in HEPES solution. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2320-31	4-5	21

11	Solvothermal synthesis of uniform bismuth nanospheres using poly(N-vinyl-2-pyrrolidone) as a reducing agent. <i>Nanoscale Research Letters</i> , 2011 , 6, 66	5	30
10	Microwave synthesis of bismuth nanospheres using bismuth citrate as a precursor. <i>Journal of Alloys and Compounds</i> , 2010 , 498, L8-L11	5.7	24
9	Fabrication of gold nanoparticles with different morphologies in HEPES buffer. <i>Rare Metals</i> , 2010 , 29, 180-186	5.5	66
8	Bismuth subcarbonate nanoparticles fabricated by water-in-oil microemulsion-assisted hydrothermal process exhibit anti-Helicobacter pylori properties. <i>Materials Research Bulletin</i> , 2010 , 45, 654-658	5.1	56
7	Fabrication of three-dimensional snowflake-like bismuth sulfide nanostructures by simple refluxing. <i>Materials Letters</i> , 2010 , 64, 287-290	3.3	13
6	Hydrothermal synthesis of transition metal oxide nanomaterials in HEPES buffer solution. <i>Materials Letters</i> , 2010 , 64, 1939-1942	3.3	12
5	Shape-controlled solvothermal synthesis of bismuth subcarbonate nanomaterials. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1878-1883	3.3	71
4	Synthesis of bismuth micro- and nanospheres by a simple refluxing method. <i>Materials Letters</i> , 2009 , 63, 2239-2242	3.3	35
3	Study of the complexation of resveratrol with cyclodextrins by spectroscopy and molecular modeling. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009 , 63, 295-300		26
2	Complexation of resveratrol with cyclodextrins: Solubility and antioxidant activity. <i>Food Chemistry</i> , 2009 , 113, 17-20	8.5	145
1	Transport of a cancer chemopreventive polyphenol, resveratrol: interaction with serum albumin and hemoglobin. <i>Journal of Fluorescence</i> , 2007 , 17, 580-7	2.4	96