Zhong Lu

List of Publications by Citations

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	Novel Asymmetric Wettable AgNPs/Chitosan Wound Dressing: In Vitro and In Vivo Evaluation. *ACS Applied Materials & Interfaces*, **2016**, 8, 3958-68	9.5	256
45	Size-dependent antibacterial activities of silver nanoparticles against oral anaerobic pathogenic bacteria. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 1465-71	4.5	247
44	Enhanced antibacterial and wound healing activities of microporous chitosan-Ag/ZnO composite dressing. *Carbohydrate Polymers*, **2017**, 156, 460-469	10.3	246
43	Complexation of resveratrol with cyclodextrins: Solubility and antioxidant activity. *Food Chemistry*, **2009**, 113, 17-20	8.5	145
42	Microwave synthesis of BiPO4 nanostructures and their morphology-dependent photocatalytic performances. *Journal of Colloid and Interface Science*, **2011**, 363, 497-503	9.3	140
41	Underwater superoleophobic mesh based on BiVO 4 nanoparticles with sunlight-driven self-cleaning property for oil/water separation. *Chemical Engineering Journal*, **2017**, 320, 342-351	14.7	107
40	Transport of a cancer chemopreventive polyphenol, resveratrol: interaction with serum albumin and hemoglobin. *Journal of Fluorescence*, **2007**, 17, 580-7	2.4	96
39	BiOCOOH hierarchical nanostructures: Shape-controlled solvothermal synthesis and photocatalytic degradation performances. *CrystEngComm*, **2011**, 13, 2381	3.3	82
38	Monoclinic BiVO4 micro-/nanostructures: Microwave and ultrasonic wave combined synthesis and their visible-light photocatalytic activities. *Journal of Alloys and Compounds*, **2013**, 551, 544-550	5.7	75
37	Shape-controlled solvothermal synthesis of bismuth subcarbonate nanomaterials. *Journal of Solid State Chemistry*, **2010**, 183, 1878-1883	3.3	71
36	Fabrication of gold nanoparticles with different morphologies in HEPES buffer. *Rare Metals*, **2010**, 29, 180-186	5.5	66
35	Highly selective antibacterial activities of silver nanoparticles against Bacillus subtilis. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 6806-13	1.3	65
34	Facile Microwave Synthesis of 3D Flowerlike BiOBr Nanostructures and Their Excellent CrVI Removal Capacity. *European Journal of Inorganic Chemistry*, **2012**, 2012, 2508-2513	2.3	62
33	Bismuth subcarbonate nanoparticles fabricated by water-in-oil microemulsion-assisted hydrothermal process exhibit anti-Helicobacter pylori properties. *Materials Research Bulletin*, **2010**, 45, 654-658	5.1	56
32	Preparation and biological activity studies of resveratrol loaded ionically cross-linked chitosan-TPP nanoparticles. *Carbohydrate Polymers*, **2017**, 175, 170-177	10.3	53
31	Large-scale synthesis of bismuth hollow nanospheres for highly efficient Cr(VI) removal. *Dalton Transactions*, **2012**, 41, 11263-6	4.3	50
30	Fabrication of ordered flower-like ZnO nanostructures by a microwave and ultrasonic combined technique and their enhanced photocatalytic activity. *Materials Letters*, **2011**, 65, 3440-3443	3.3	49

29	Ag-decorated Bi2O3 nanospheres with enhanced visible-light-driven photocatalytic activities for water treatment. *RSC Advances*, **2015**, 5, 69312-69318	3.7	36
28	Synthesis of bismuth micro- and nanospheres by a simple refluxing method. *Materials Letters*, **2009**, 63, 2239-2242	3.3	35
27	Large-scale synthesis of bismuth sulfide nanorods by microwave irradiation. *Journal of Alloys and Compounds*, **2011**, 509, 2116-2126	5.7	34
26	Ultrasonic-microwave synthesis of ZnO/BiOBr functionalized cotton fabrics with antibacterial and photocatalytic properties. *Carbohydrate Polymers*, **2018**, 201, 162-171	10.3	33
25	Citrate/Urea/Solvent Mediated Self-Assembly of (BiO)2CO3 Hierarchical Nanostructures and Their Associated Photocatalytic Performance. *Industrial & Engineering Chemistry Research*, **2013**, 52, 12604-12612	3.9	33
24	Design of a superhydrophobic and superoleophilic film using cured fluoropolymer@silica hybrid. *Applied Surface Science*, **2016**, 388, 268-273	6.7	31
23	Solvothermal synthesis of uniform bismuth nanospheres using poly(N-vinyl-2-pyrrolidone) as a reducing agent. *Nanoscale Research Letters*, **2011**, 6, 66	5	30
22	Facile synthesis of Ag/AgCl/BiOCl ternary nanocomposites for photocatalytic inactivation of S. aureus under visible light. *RSC Advances*, **2016**, 6, 52264-52270	3.7	30
21	Antibacterial activity and mechanism of Ag/ZnO nanocomposite against anaerobic oral pathogen Streptococcus mutans. *Journal of Materials Science: Materials in Medicine*, **2017**, 28, 23	4.5	26
20	Study of the complexation of resveratrol with cyclodextrins by spectroscopy and molecular modeling. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2009**, 63, 295-300		26
19	HEPES-involved hydrothermal synthesis of Fe3O4 nanoparticles and their biological application. *RSC Advances*, **2015**, 5, 5059-5067	3.7	25
18	Cytotoxicity and inhibition of lipid peroxidation activity of resveratrol/cyclodextrin inclusion complexes. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2012**, 73, 313-320		25
17	Enhanced antibacterial activity and mechanism studies of Ag/Bi2O3 nanocomposites. *Advanced Powder Technology*, **2018**, 29, 2082-2090	4.6	25
16	Microwave synthesis of bismuth nanospheres using bismuth citrate as a precursor. *Journal of Alloys and Compounds*, **2010**, 498, L8-L11	5.7	24
15	Synergistic antibacterial effect of BiS nanospheres combined with ineffective antibiotic gentamicin against methicillin-resistant Staphylococcus aureus. *Journal of Inorganic Biochemistry*, **2017**, 168, 38-45	4.2	23
14	Facile solvothermal synthesis of uniform sponge-like Bi2SiO5 hierarchical nanostructure and its application in Cr(VI) removal. *Materials Letters*, **2012**, 77, 25-28	3.3	23
13	Photoinduced switchable wettability of bismuth coating with hierarchical dendritic structure between superhydrophobicity and superhydrophilicity. *Applied Surface Science*, **2015**, 353, 735-743	6.7	22
12	Hydrothermal synthesis and properties of controlled □Fe2O3 nanostructures in HEPES solution. *Chemistry - an Asian Journal*, **2011**, 6, 2320-31	4.5	21

11	HEPES and polyol mediated solvothermal synthesis of hierarchical porous ZnO microspheres and their improved photocatalytic activity. *Materials Letters*, **2014**, 130, 115-119	3.3	20
10	Microwave-assisted facile synthesis of palladium nanoparticles in HEPES solution and their size-dependent catalytic activities to Suzuki reaction. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 7794-801	1.3	17
9	Shape-dependent photocatalytic activities of bismuth subcarbonate nanostructures. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 4028-34	1.3	15
8	Microwave-Ultrasonic Synergistically Assisted Synthesis of ZnO Coated Cotton Fabrics with an Enhanced Antibacterial Activity and Stability.. *ACS Applied Bio Materials*, **2018**, 1, 340-346	4.1	13
7	Fabrication of three-dimensional snowflake-like bismuth sulfide nanostructures by simple refluxing. *Materials Letters*, **2010**, 64, 287-290	3.3	13
6	Hydrothermal synthesis of transition metal oxide nanomaterials in HEPES buffer solution. *Materials Letters*, **2010**, 64, 1939-1942	3.3	12
5	Rapid Antibiofilm Effect of Ag/ZnO Nanocomposites Assisted by Dental LED Curing Light against Facultative Anaerobic Oral Pathogen. *ACS Biomaterials Science and Engineering*, **2019**, 5, 2030-2040	5.5	11
4	Synergistic antibacterial mechanism of BiTe nanoparticles combined with the ineffective β-lactam antibiotic cefotaxime against methicillin-resistant Staphylococcus aureus. *Journal of Inorganic Biochemistry*, **2019**, 196, 110687	4.2	8
3	N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic Acid-assisted Liquid-phase Growth of Au@Pd Core–Shell Nanoparticles with High Catalytic Activity. *Chemistry Letters*, **2015**, 44, 1371-1373	1.7	4
2	Effects of Ag/ZnO nanocomposite at sub-minimum inhibitory concentrations on virulence factors of Streptococcus mutans. *Archives of Oral Biology*, **2020**, 111, 104640	2.8	4
1	Proteomics of to Reveal the Antibiofilm Formation Mechanism of Ag/ZnO Nanocomposites with Light-Emitting Diode Radiation. *International Journal of Nanomedicine*, **2021**, 16, 7741-7757	7.3	