Shi Lan

List of Publications by Year
in descending order

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17 papers	893 citations	759233 12 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	1327 citing authors

#	Article	IF	Citations
1	An N-Halamine/Graphene Oxide-Functionalized Electrospun Polymer Membrane That Inactivates Bacteria on Contact and by Releasing Active Chlorine. Polymers, 2021, 13, 2784.	4.5	6
2	Efficient iodine capture by a sesbania gum-based polymeric adsorbent for reutilization in bacterial decontamination. Colloids and Interface Science Communications, 2021, 44, 100483.	4.1	6
3	Electrospun Sesbania Gum-Based Polymeric N-Halamines for Antibacterial Applications. Polymers, 2019, 11, 1117.	4.5	10
4	Sesbania Gum-Supported Hydrophilic Electrospun Fibers Containing Nanosilver with Superior Antibacterial Activity. Nanomaterials, 2019, 9, 592.	4.1	8
5	Modification of Antibacterial ZnO Nanorods with CeO2 Nanoparticles: Role of CeO2 in Impacting Morphology and Antibacterial Activity. Colloids and Interface Science Communications, 2018, 26, 32-38.	4.1	22
6	Insight into Biological Effects of Zinc Oxide Nanoflowers on Bacteria: Why Morphology Matters. ACS Applied Materials & Interfaces, 2016, 8, 10109-10120.	8.0	109
7	Decorating CdTe QD-Embedded Mesoporous Silica Nanospheres with Ag NPs to Prevent Bacteria Invasion for Enhanced Anticounterfeit Applications. ACS Applied Materials & Interfaces, 2015, 7, 10022-10033.	8.0	42
8	Low temperature oneâ€step synthesis of poly(barbituric acid) functionalized magnetic nanoparticles for removal of heavy metal ions. Journal of Applied Polymer Science, 2014, 131, .	2.6	1
9	Microscale Hierarchical Three-Dimensional Flowerlike TiO₂/PANI Composite: Synthesis, Characterization, and Its Remarkable Photocatalytic Activity on Organic Dyes under UV-Light and Sunlight Irradiation. Journal of Physical Chemistry C, 2014, 118, 18343-18355.	3.1	130
10	Hierarchical Hollow Structure ZnO: Synthesis, Characterization, and Highly Efficient Adsorption/Photocatalysis toward Congo Red. Industrial & Engineering Chemistry Research, 2014, 53, 3131-3139.	3.7	111
11	Bactericidal evaluation of N-halamine-functionalized silica nanoparticles based on barbituric acid. Colloids and Surfaces B: Biointerfaces, 2014, 113, 450-457.	5.0	42
12	N-halamine-decorated polystyrene nanoparticles based on 5-allylbarbituric acid: From controllable fabrication to bactericidal evaluation. Journal of Colloid and Interface Science, 2014, 413, 92-99.	9.4	50
13	Sesbania gum-based magnetic carbonaceous nanocomposites: Facile fabrication and adsorption behavior. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 446, 163-171.	4.7	30
14	Barbituric Acid-Based Magnetic N-Halamine Nanoparticles as Recyclable Antibacterial Agents. ACS Applied Materials & Interfaces, 2013, 5, 8125-8133.	8.0	71
15	Synthesis ofN-halamine-functionalized silicaâ€“polymer coreâ€“shell nanoparticles and their enhanced antibacterial activity. Nanotechnology, 2011, 22, 295602.	2.6	64
16	Modifying Fe₃O₄-Functionalized Nanoparticles with N-Halamine and Their Magnetic/Antibacterial Properties. ACS Applied Materials & Interfaces, 2011, 3, 4228-4235.	8.0	133
17	Preparation of magnetically separable N-halamine nanocomposites for the improved antibacterial application. Journal of Colloid and Interface Science, 2011, 364, 333-340.	9.4	58