

Dongdong Sun

List of Publications by Year in descending order

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28
papers

1,004
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1706
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of functional selenium nanoparticles as potent antimicrobial agents against superbugs. <i>Acta Biomaterialia</i> , 2016, 30, 397-407.	8.3	157
2	Design of PLGA-functionalized quercetin nanoparticles for potential use in Alzheimer's disease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 116-129.	5.0	129
3	Transcriptome Analysis Reveals Silver Nanoparticle-Decorated Quercetin Antibacterial Molecular Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10047-10060.	8.0	104
4	Quercetin loading CdSe/ZnS nanoparticles as efficient antibacterial and anticancer materials. <i>Journal of Inorganic Biochemistry</i> , 2017, 167, 36-48.	3.5	77
5	Dual-Targeted Gold Nanoprism for Recognition of Early Apoptosis, Dual-Model Imaging and Precise Cancer Photothermal Therapy. <i>Theranostics</i> , 2019, 9, 5610-5625.	10.0	60
6	The anti-biofilm effect of silver-nanoparticle-decorated quercetin nanoparticles on a multi-drug resistant <i>Escherichia coli</i> strain isolated from a dairy cow with mastitis. <i>PeerJ</i> , 2018, 6, e5711.	2.0	51
7	Designing Aptamer-Gold Nanoparticle-Loaded pH-Sensitive Liposomes Encapsulate Morin for Treating Cancer. <i>Nanoscale Research Letters</i> , 2020, 15, 68.	5.7	48
8	Silver nanoparticles-quercetin conjugation to siRNA against drug-resistant <i>Bacillus subtilis</i> for effective gene silencing: in vitro and in vivo. <i>Materials Science and Engineering C</i> , 2016, 63, 522-534.	7.3	46
9	Chiral penicillamine-modified selenium nanoparticles enantioselectively inhibit metal-induced amyloid β^2 aggregation for treating Alzheimer's disease. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1001-1010.	9.4	42
10	Quercetin-loaded PLGA nanoparticles: a highly effective antibacterial agent in vitro and anti-infection application in vivo. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	36
11	Molybdenum disulfide nanosheets loaded with chitosan and silver nanoparticles effective antifungal activities: in vitro and in vivo. <i>Materials Science and Engineering C</i> , 2019, 97, 486-497.	7.3	32
12	Selective nuclei accumulation of ruthenium(II) complex enantiomers that target G-quadruplex DNA. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 90-99.	3.5	28
13	Antibacterial activity of ruthenium(II) polypyridyl complex manipulated by membrane permeability and cell morphology. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2068-2073.	2.2	28
14	Self-assembled thermal gold nanorod-loaded thermosensitive liposome-encapsulated ganoderic acid for antibacterial and cancer photochemotherapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 406-419.	2.8	24
15	Co-delivery of ampicillin and β -lactamase inhibitor by selenium nanocomposite to achieve synergistic anti-infective efficiency through overcoming multidrug resistance. <i>Chemical Engineering Journal</i> , 2021, 414, 128908.	12.7	21
16	Mesoporous silica integrated with Fe_3O_4 and palmitoyl ascorbate as a new nano-Fenton reactor for amplified tumor oxidation therapy. <i>Biomaterials Science</i> , 2020, 8, 7154-7165.	5.4	15
17	Anti-tumor activity and mechanism of apoptosis of A549 induced by ruthenium complex. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 945-956.	2.6	14
18	Ruthenium-loaded mesoporous silica as tumor microenvironment-response nano-fenton reactors for precise cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 98.	9.1	14

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19	Effect of solvents on forming poly(butyl-2-cyanoacrylate) encapsulated paeonol nanocapsules. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 240-256.	3.5	13
20	Chitosan-catechin coating as an antifungal and preservable agent for postharvest satsuma oranges. <i>Journal of Food Biochemistry</i> , 2019, 43, e12779.	2.9	13
21	Crystalline ruthenium polypyridine nanoparticles: a targeted treatment of bacterial infection with multifunctional antibacterial, adhesion and surface-anchoring photosensitizer properties. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3808-3825.	5.8	12
22	Antibacterial activity of chlorogenic acid-loaded SiO ₂ nanoparticles caused by accumulation of reactive oxygen species. <i>Nanotechnology</i> , 2020, 31, 185101.	2.6	11
23	EGCG-coated silver nanoparticles self-assemble with selenium nanowires for treatment of drug-resistant bacterial infections by generating ROS and disrupting biofilms. <i>Nanotechnology</i> , 2022, 33, 415101.	2.6	8
24	Enantiomeric selectivity of ruthenium (II) chiral complexes with antitumor activity, in vitro and in vivo. <i>Journal of Inorganic Biochemistry</i> , 2021, 216, 111339.	3.5	7
25	Multiple responses optimization of antioxidative components extracted from distiller's grains using response surface methodology and identify their chemical compositions. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15885.	2.0	6
26	A rational design of copper-selenium nanoclusters that cures sepsis by consuming endogenous H ₂ S to trigger photothermal therapy and ROS burst. <i>Biomaterials Science</i> , 2022, 10, 3137-3157.	5.4	4
27	Efficient sterilization system combining flavonoids and hyaluronic acid with metal organic frameworks as carrier. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1887-1898.	3.4	3
28	Dual functions of epigallocatechin gallate surface-modified Au nanorods@selenium composites for near-infrared-II light-responsive synergistic antibacterial therapy. <i>Journal of Biomaterials Applications</i> , 2022, 36, 1812-1825.	2.4	1