Sandile Songca

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Applications of Antimicrobial Photodynamic Therapy against Bacterial Biofilms. International Journal of Molecular Sciences, 2022, 23, 3209.	4.1	44
2	Applications of Nanozymology in the Detection and Identification of Viral, Bacterial and Fungal Pathogens. International Journal of Molecular Sciences, 2022, 23, 4638.	4.1	13
3	Green synthesis of amino acid functionalized CuInS/ZnS- mTHPP conjugate for biolabeling application. Dyes and Pigments, 2021, 185, 108960.	3.7	9
4	The Therapeutic Effect of Second Near-Infrared Absorbing Gold Nanorods on Metastatic Lymph Nodes via Lymphatic Delivery System. Pharmaceutics, 2021, 13, 1359.	4.5	8
5	Synthesis of NIR-II Absorbing Gelatin Stabilized Gold Nanorods and Its Photothermal Therapy Application against Fibroblast Histiocytoma Cells. Pharmaceuticals, 2021, 14, 1137.	3.8	4
6	Phylogenetic analysis of carbapenem-resistant Acinetobacter baumannii isolated from different sources using Multilocus Sequence Typing Scheme. Infection, Genetics and Evolution, 2021, 96, 105132.	2.3	5
7	Synthesis, structural and fluorescence optimization of ternary Cu–In–S quantum dots passivated with ZnS. Journal of Luminescence, 2020, 227, 117541.	3.1	19
8	Cytotoxicity, fluorescence tagging and gene-expression study of CuInS/ZnS QDS - meso (hydroxyphenyl) porphyrin conjugate against human monocytic leukemia cells. Scientific Reports, 2020, 10, 4936.	3.3	29
9	Molecular Detection of Carbapenemase-Encoding Genes in Multidrug-Resistant <i>Acinetobacter baumannii</i> Clinical Isolates in South Africa. International Journal of Microbiology, 2020, 2020, 1-10.	2.3	15
10	In vitro antimicrobial photodynamic inactivation of multidrug-resistant Acinetobacter baumannii biofilm using Protoporphyrin IX and Methylene blue. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101752.	2.6	12
11	Effect of synthetic conditions on the crystallinity, porosity and magnetic properties of gluconic acid capped iron oxide nanoparticles. Nano Structures Nano Objects, 2020, 23, 100480.	3.5	7
12	Comparison of alkali treated sugarcane bagasse and softwood cellulose/polypropylene composites. Plastics, Rubber and Composites, 2019, 48, 401-409.	2.0	5
13	Application of Porphyrins in Antibacterial Photodynamic Therapy. Molecules, 2019, 24, 2456.	3.8	172
14	Non-distorted visible light-absorbing thiol-PEGylated gold-coated superparamagnetic iron oxide nanoparticles–porphyrin conjugates and their inhibitory effects against nosocomial pathogens. MRS Communications, 2019, 9, 1335-1342.	1.8	0
15	Prevalence and molecular analysis of multidrug-resistant Acinetobacter baumannii in the extra-hospital environment in Mthatha, South Africa. Brazilian Journal of Infectious Diseases, 2019, 23, 371-380.	0.6	29
16	>Synthesis of meso-tetra-(4-sulfonatophenyl) porphyrin (TPPS ₄) – CuInS/ZnS quantum dots conjugate as an improved photosensitizer. International Journal of Nanomedicine, 2019, Volume 14, 7065-7078.	6.7	21
17	Evolution of gluconic acid capped paramagnetic iron oxide nanoparticles. Nano Structures Nano Objects, 2019, 20, 100389.	3.5	5
18	Encapsulation of Gold Nanorods with Porphyrins for the Potential Treatment of Cancer and Bacterial Diseases: A Critical Review. Bioinorganic Chemistry and Applications, 2019, 2019, 1-27.	4.1	24

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19	Application of iron (III) meso-tetrakis(4-hydroxyphenyl)porphyrin-methylene blue strips for the detection and quantification of H2O2 in aqueous and pharmaceutical fluids. MRS Communications, 2019, 9, 398-405.	1.8	2
20	Synthesis of fluorescent CulnS2/ZnS quantum dots—porphyrin conjugates for photodynamic therapy. MRS Communications, 2018, 8, 398-403.	1.8	17
21	Applications of functionalized nanomaterials in photodynamic therapy. Biophysical Reviews, 2018, 10, 49-67.	3.2	40
22	An analysis of human exposure to trace elements from deliberate soil ingestion and associated health risks. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 55-63.	3.9	15
23	Neutral red separation property of ultrasmall-gluconic acid capped superparamagnetic iron oxide nanoclusters coprecipitated with goethite and hematite. Separation and Purification Technology, 2018, 192, 475-482.	7.9	8
24	Sugarcane Bagasse and Cellulose Polymer Composites. , 2018, , .		17
25	Photodynamic therapy evaluation of methoxypolyethyleneglycol-thiol-SPIONs-gold-meso-tetrakis(4-hydroxyphenyl)porphyrin conjugate against breast cancer cells. Materials Science and Engineering C, 2018, 92, 737-744.	7.3	32
26	Biosynthesis of silver nanoparticles from <i>Acacia mearnsii</i> De Wild stem bark and its antinociceptive properties. Green Chemistry Letters and Reviews, 2017, 10, 59-68.	4.7	9
27	Facile Green Synthesis and Characterization of Water Soluble Superparamagnetic Iron Oxide-Gold Porphyrin Conjugate for Improved Photodynamic Therapy. Minerals, Metals and Materials Series, 2017, , 23-27.	0.4	0
28	Singlet oxygen generation potential of thiolated methoxy-polyethyleneglycol encapsulated superparamagnetic iron oxide nanoparticles-gold core-shell meso-5, 10, 15, 20-tetrakis (4-hydroxyphenyl) porphyrin. Materials Letters, 2017, 199, 37-40.	2.6	14
29	A novel treatment for metastatic lymph nodes using lymphatic delivery and photothermal therapy. Scientific Reports, 2017, 7, 45459.	3.3	32
30	Simple green synthesis of amino acid functionalised CdTe/CdSe/ZnSe core-multi shell with improved cell viability for cellular imaging. Materials Letters, 2017, 189, 168-171.	2.6	18
31	Evolution of ternary l–Ill–VI QDs: Synthesis, characterization and application. Nano Structures Nano Objects, 2017, 12, 46-56.	3.5	75
32	Green synthesis of MPA-capped CdTe/CdSe quantum dots at different pH and its effect on the cell viability of fibroblast histiocytoma cells. Materials Letters, 2017, 209, 299-302.	2.6	9
33	SPIONs as proton pump and electrostatic contributor for the simultaneous precipitation of protonated neutral red, Ag+ and chloride ion from aqueous solution. Separation and Purification Technology, 2017, 187, 374-379.	7.9	10
34	Volatile constituents and biological activities of the leaf and root of Echinacea species from South Africa. Saudi Pharmaceutical Journal, 2017, 25, 381-386.	2.7	22
35	Chemical analysis and biological potential of <i>Valerian root</i> as used by herbal practitioners in the Eastern Cape Province, South Africa. Tropical Journal of Obstetrics and Gynaecology, 2016, 13, 114.	0.3	4
36	Chemical and biological studies of <i>Lobelia flaccida</i> (C. Presl) A.DC leaf: a medicinal plant used by traditional healers in Eastern Cape, South Africa. Tropical Journal of Pharmaceutical Research, 2016, 15, 1715.	0.3	5

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37	Synthesis of Silver Nanoparticles Using Buchu Plant Extracts and Their Analgesic Properties. Molecules, 2016, 21, 774.	3.8	27
38	Microwave irradiation synthesis of silver nanoparticles using cellulose from Eichhornia crassipes plant shoot. Materials Letters, 2016, 185, 576-579.	2.6	47
39	Synthesis, antibacterial, cytotoxicity and sensing properties of starch-capped silver nanoparticles. Journal of Molecular Liquids, 2016, 213, 75-81.	4.9	58
40	Anti-inflammatory activity of the essential oils of Cymbopogon validus (Stapf) Stapf ex Burtt Davy from Eastern Cape, South Africa. Asian Pacific Journal of Tropical Medicine, 2016, 9, 426-431.	0.8	14
41	Completely green synthesis of silver nanoparticle decorated MWCNT and its antibacterial and catalytic properties. Pure and Applied Chemistry, 2016, 88, 71-81.	1.9	33
42	Size tunable synthesis of HDA and TOPO capped ZnSe nanoparticles via a facile aqueous/thermolysis hybrid solution route. Journal of Materials Science: Materials in Electronics, 2016, 27, 3880-3887.	2.2	3
43	A novel lymphatic treatment method for metastatic lymph node using photothermal therapy with controlled temperature cooling system. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, G0600304.	0.0	0
44	Optical and cytotoxicity properties of water soluble type II CdTe/CdSe nanoparticles synthesised via a green method. Materials Research Society Symposia Proceedings, 2015, 1748, 69.	0.1	3
45	Green synthesis of yellow emitting PMMA–CdSe/ZnS quantum dots nanophosphors. Materials Science in Semiconductor Processing, 2015, 39, 587-595.	4.0	16
46	Chemical composition and anti-inflammatory activities of the essential oils from <i>Acacia mearnsii</i> de Wild. Natural Product Research, 2015, 29, 1184-1188.	1.8	18
47	Size tunable synthesis of monodispersed hexadecylamine-capped CdSe nanostructures. Materials Letters, 2014, 123, 165-168.	2.6	3
48	Completely green synthesis of dextrose reduced silver nanoparticles, its antimicrobial and sensing properties. Carbohydrate Polymers, 2014, 106, 469-474.	10.2	105
49	Facile synthesis of transparent and fluorescent epoxy–CdSe–CdS–ZnS core–multi shell polymer nanocomposites. New Journal of Chemistry, 2014, 38, 155-162.	2.8	29
50	A facile non-organometallic synthesis of hexadecylamine-capped ZnSe nanoparticles. Materials Science in Semiconductor Processing, 2014, 27, 427-432.	4.0	7
51	Semi-synthesis of nitrogen derivatives of oleanolic acid and effect on breast carcinoma MCF-7 cells. Anticancer Research, 2014, 34, 4135-9.	1.1	5
52	Green synthesis of silver nanoparticles using cellulose extracted from an aquatic weed; water hyacinth. Carbohydrate Polymers, 2013, 98, 290-294.	10.2	132
53	Green controlled synthesis of monodispersed, stable and smaller sized starch-capped silver nanoparticles. Materials Letters, 2013, 106, 332-336.	2.6	31
54	A facile completely †̃green' size tunable synthesis of maltose-reduced silver nanoparticles without the use of any accelerator. Colloids and Surfaces B: Biointerfaces, 2013, 102, 718-723.	5.0	52

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55	Effect of temperature on the optical and structural properties of hexadecylamine capped ZnS nanoparticles using Zinc(II) N-ethyl-N-phenyldithiocarbamate as single source precursor. Materials Research Bulletin, 2012, 47, 4445-4451.	5.2	16
56	A Facile One-Pot Synthesis of MSe (M = Cd or Zn) Nanoparticles Using Biopolymer as Passivating Agent. , 2012, , .		2
57	A simple one-pot environmentally benign synthesis of ascorbic acid-capped CdSe nanoparticles at room temperature. Materials Letters, 2012, 75, 84-86.	2.6	8
58	Solubilization of meso-Tetraphenylporphyrin Photosensitizers by Substitution with Fluorine and with 2,3-Dihydroxy-1-propyloxy Groups. Journal of Pharmacy and Pharmacology, 2010, 52, 1361-1367.	2.4	12
59	In-vitro activity and tissue distribution of new fluorinated meso-tetrahydroxyphenylporphyrin photosensitizers. Journal of Pharmacy and Pharmacology, 2010, 53, 1469-1475.	2.4	12
60	Photophysical and photochemical properties of potential porphyrin and chlorin photosensitizers for PDT. Journal of Photochemistry and Photobiology B: Biology, 1996, 33, 171-180.	3.8	208
61	Photobactericidal materials based on porphyrins and phthalocyanines. Journal of Materials Chemistry, 1993, 3, 323.	6.7	55
62	Biopolymers $\hat{a} \in \hat{A}$ Application in Nanoscience and Nanotechnology. , 0, , .		53
63	Biopolymer-mediated Green Synthesis of Noble Metal Nanostructures. , 0, , .		4