

Sandile Songca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8388829/publications.pdf>

Version: 2024-02-01

63
papers

1,710
citations

361045

20
h-index

301761

39
g-index

65
all docs

65
docs citations

65
times ranked

2410
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Antimicrobial Photodynamic Therapy against Bacterial Biofilms. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3209.	1.8	44
2	Applications of Nanozymology in the Detection and Identification of Viral, Bacterial and Fungal Pathogens. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4638.	1.8	13
3	Green synthesis of amino acid functionalized CuInS/ZnS- mTHPP conjugate for biolabeling application. <i>Dyes and Pigments</i> , 2021, 185, 108960.	2.0	9
4	The Therapeutic Effect of Second Near-Infrared Absorbing Gold Nanorods on Metastatic Lymph Nodes via Lymphatic Delivery System. <i>Pharmaceutics</i> , 2021, 13, 1359.	2.0	8
5	Synthesis of NIR-II Absorbing Gelatin Stabilized Gold Nanorods and Its Photothermal Therapy Application against Fibroblast Histiocytoma Cells. <i>Pharmaceutics</i> , 2021, 14, 1137.	1.7	4
6	Phylogenetic analysis of carbapenem-resistant <i>Acinetobacter baumannii</i> isolated from different sources using Multilocus Sequence Typing Scheme. <i>Infection, Genetics and Evolution</i> , 2021, 96, 105132.	1.0	5
7	Synthesis, structural and fluorescence optimization of ternary Cu ²⁺ /In ³⁺ /S quantum dots passivated with ZnS. <i>Journal of Luminescence</i> , 2020, 227, 117541.	1.5	19
8	Cytotoxicity, fluorescence tagging and gene-expression study of CuInS/ZnS QDS - meso (hydroxyphenyl) porphyrin conjugate against human monocytic leukemia cells. <i>Scientific Reports</i> , 2020, 10, 4936.	1.6	29
9	Molecular Detection of Carbapenemase-Encoding Genes in Multidrug-Resistant <i>Acinetobacter baumannii</i> Clinical Isolates in South Africa. <i>International Journal of Microbiology</i> , 2020, 2020, 1-10.	0.9	15
10	In vitro antimicrobial photodynamic inactivation of multidrug-resistant <i>Acinetobacter baumannii</i> biofilm using Protoporphyrin IX and Methylene blue. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101752.	1.3	12
11	Effect of synthetic conditions on the crystallinity, porosity and magnetic properties of gluconic acid capped iron oxide nanoparticles. <i>Nano Structures Nano Objects</i> , 2020, 23, 100480.	1.9	7
12	Comparison of alkali treated sugarcane bagasse and softwood cellulose/polypropylene composites. <i>Plastics, Rubber and Composites</i> , 2019, 48, 401-409.	0.9	5
13	Application of Porphyrins in Antibacterial Photodynamic Therapy. <i>Molecules</i> , 2019, 24, 2456.	1.7	172
14	Non-distorted visible light-absorbing thiol-PEGylated gold-coated superparamagnetic iron oxide nanoparticlesâ€porphyrin conjugates and their inhibitory effects against nosocomial pathogens. <i>MRS Communications</i> , 2019, 9, 1335-1342.	0.8	0
15	Prevalence and molecular analysis of multidrug-resistant <i>Acinetobacter baumannii</i> in the extra-hospital environment in Mthatha, South Africa. <i>Brazilian Journal of Infectious Diseases</i> , 2019, 23, 371-380.	0.3	29
16	Synthesis of meso-tetra-(4-sulfonatophenyl) porphyrin (TPPS ₄) â€ CuInS/ZnS quantum dots conjugate as an improved photosensitizer. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 7065-7078.	3.3	21
17	Evolution of gluconic acid capped paramagnetic iron oxide nanoparticles. <i>Nano Structures Nano Objects</i> , 2019, 20, 100389.	1.9	5
18	Encapsulation of Gold Nanorods with Porphyrins for the Potential Treatment of Cancer and Bacterial Diseases: A Critical Review. <i>Bioinorganic Chemistry and Applications</i> , 2019, 2019, 1-27.	1.8	24

#	ARTICLE	IF	CITATIONS
19	Application of iron (III) meso-tetrakis(4-hydroxyphenyl)porphyrin-methylene blue strips for the detection and quantification of H ₂ O ₂ in aqueous and pharmaceutical fluids. MRS Communications, 2019, 9, 398-405.	0.8	2
20	Synthesis of fluorescent CuInS ₂ /ZnS quantum dots-porphyrin conjugates for photodynamic therapy. MRS Communications, 2018, 8, 398-403.	0.8	17
21	Applications of functionalized nanomaterials in photodynamic therapy. Biophysical Reviews, 2018, 10, 49-67.	1.5	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.	1.8	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.	3.9	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.	3.8	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.	2.1	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.	0.3	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.	1.3	14
29	A novel treatment for metastatic lymph nodes using lymphatic delivery and photothermal therapy. Scientific Reports, 2017, 7, 45459.	1.6	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.	1.3	18
31	Evolution of ternary III-VI QDs: Synthesis, characterization and application. Nano Structures Nano Objects, 2017, 12, 46-56.	1.9	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.	1.3	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.	3.9	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.	1.2	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.	0.2	5

#	ARTICLE	IF	CITATIONS
37	Synthesis of Silver Nanoparticles Using Buchu Plant Extracts and Their Analgesic Properties. <i>Molecules</i> , 2016, 21, 774.	1.7	27
38	Microwave irradiation synthesis of silver nanoparticles using cellulose from <i>Eichhornia crassipes</i> plant shoot. <i>Materials Letters</i> , 2016, 185, 576-579.	1.3	47
39	Synthesis, antibacterial, cytotoxicity and sensing properties of starch-capped silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2016, 213, 75-81.	2.3	58
40	Anti-inflammatory activity of the essential oils of <i>Cymbopogon validus</i> (Stapf) Stapf ex Burttt Davy from Eastern Cape, South Africa. <i>Asian Pacific Journal of Tropical Medicine</i> , 2016, 9, 426-431.	0.4	14
41	Completely green synthesis of silver nanoparticle decorated MWCNT and its antibacterial and catalytic properties. <i>Pure and Applied Chemistry</i> , 2016, 88, 71-81.	0.9	33
42	Size tunable synthesis of HDA and TOPO capped ZnSe nanoparticles via a facile aqueous/thermolysis hybrid solution route. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3880-3887.	1.1	3
43	A novel lymphatic treatment method for metastatic lymph node using photothermal therapy with controlled temperature cooling system. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2016, 2016, G0600304.	0.0	0
44	Optical and cytotoxicity properties of water soluble type II CdTe/CdSe nanoparticles synthesised via a green method. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1748, 69.	0.1	3
45	Green synthesis of yellow emitting PMMA/CdSe/ZnS quantum dots nanophosphors. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 587-595.	1.9	16
46	Chemical composition and anti-inflammatory activities of the essential oils from <i>Acacia mearnsii</i> de Wild. <i>Natural Product Research</i> , 2015, 29, 1184-1188.	1.0	18
47	Size tunable synthesis of monodispersed hexadecylamine-capped CdSe nanostructures. <i>Materials Letters</i> , 2014, 123, 165-168.	1.3	3
48	Completely green synthesis of dextrose reduced silver nanoparticles, its antimicrobial and sensing properties. <i>Carbohydrate Polymers</i> , 2014, 106, 469-474.	5.1	105
49	Facile synthesis of transparent and fluorescent epoxy/CdSe/CdS/ZnS core-multi shell polymer nanocomposites. <i>New Journal of Chemistry</i> , 2014, 38, 155-162.	1.4	29
50	A facile non-organometallic synthesis of hexadecylamine-capped ZnSe nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 427-432.	1.9	7
51	Semi-synthesis of nitrogen derivatives of oleanolic acid and effect on breast carcinoma MCF-7 cells. <i>Anticancer Research</i> , 2014, 34, 4135-9.	0.5	5
52	Green synthesis of silver nanoparticles using cellulose extracted from an aquatic weed; water hyacinth. <i>Carbohydrate Polymers</i> , 2013, 98, 290-294.	5.1	132
53	Green controlled synthesis of monodispersed, stable and smaller sized starch-capped silver nanoparticles. <i>Materials Letters</i> , 2013, 106, 332-336.	1.3	31
54	A facile completely "green" size tunable synthesis of maltose-reduced silver nanoparticles without the use of any accelerator. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 718-723.	2.5	52

#	ARTICLE	IF	CITATIONS
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.	2.7	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.	1.3	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.	1.2	12
59	In-vitro activity and tissue distribution of new fluorinated meso-tetrahydroxyphenylporphyrin photosensitizers. Journal of Pharmacy and Pharmacology, 2010, 53, 1469-1475.	1.2	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.	1.7	208
61	Photobactericidal materials based on porphyrins and phthalocyanines. Journal of Materials Chemistry, 1993, 3, 323.	6.7	55
62	Biopolymers â€œ Application in Nanoscience and Nanotechnology. , 0, , .		53
63	Biopolymer-mediated Green Synthesis of Noble Metal Nanostructures. , 0, , .		4