Admire Dube

List of Publications by Year
in descending order

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98 papers	2,765 citations	201385 27 h-index	223531 46 g-index
100 all docs	100 docs citations	100 times ranked	3389 citing authors

#	Article	IF	Citations
1	Chitosan nanoparticles enhance the intestinal absorption of the green tea catechins (+)-catechin and (â^')-epigallocatechin gallate. European Journal of Pharmaceutical Sciences, 2010, 41, 219-225.	1.9	243
2	Effective use of reducing agents and nanoparticle encapsulation in stabilizing catechins in alkaline solution. Food Chemistry, 2010, 122, 662-667.	4.2	167
3	Chitosan nanoparticles enhance the plasma exposure of (â^')-epigallocatechin gallate in mice through an enhancement in intestinal stability. European Journal of Pharmaceutical Sciences, 2011, 44, 422-426.	1.9	129
4	Nanomedicine: Past, present and future â€“ A global perspective. Biochemical and Biophysical Research Communications, 2015, 468, 511-517.	1.0	119
5	Green Synthesis of Metallic Nanoparticles Using Some Selected Medicinal Plants from Southern Africa and Their Biological Applications. Plants, 2021, 10, 1929.	1.6	75
6	Multifunctional Gold Nanoparticles for Improved Diagnostic and Therapeutic Applications: A Review. Nanoscale Research Letters, 2021, 16, 174.	3.1	75
7	The Antimicrobial and Anti-Inflammatory Effects of Silver Nanoparticles Synthesised from Cotyledon orbiculata Aqueous Extract. Nanomaterials, 2021, 11, 1343.	1.9	69
8	Multimodal nanoparticles that provide immunomodulation and intracellular drug delivery for infectious diseases. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 831-838.	1.7	68
9	Enhanced Antimicrobial and Anticancer Activity of Silver and Gold Nanoparticles Synthesised Using Sargassum incisifolium Aqueous Extracts. Molecules, 2016, 21, 1633.	1.7	67
10	New Palladium(II) and Platinum(II) Complexes Based on Pyrrole Schiff Bases: Synthesis, Characterization, X-ray Structure, and Anticancer Activity. ACS Omega, 2020, 5, 14942-14954.	1.6	63
11	Indium Phosphide-Based Semiconductor Nanocrystals and Their Applications. Journal of Nanomaterials, 2012, 2012, 1-11.	1.5	59
12	Enhanced Anti-Bacterial Activity Of Biogenic Silver Nanoparticles Synthesized From Terminalia mantaly Extracts . International Journal of Nanomedicine, 2019, Volume 14, 9031-9046.	3.3	52
13	Recent Advances in the Development of Antimicrobial and Antifouling Biocompatible Materials for Dental Applications. Materials, 2021, 14, 3167.	1.3	51
14	Immunoinformatics design of a novel epitope-based vaccine candidate against dengue virus. Scientific Reports, 2021, 11, 19707.	1.6	49
15	Inhibition of Bacteria Associated with Wound Infection by Biocompatible Green Synthesized Gold Nanoparticles from South African Plant Extracts. Nanomaterials, 2017, 7, 417.	1.9	47
16	Nanotechnology advances towards development of targeted-treatment for obesity. Journal of Nanobiotechnology, 2019, 17, 122.	4.2	47
17	Advances in Nanotechnology towards Development of Silver Nanoparticle-Based Wound-Healing Agents. International Journal of Molecular Sciences, 2021, 22, 11272.	1.8	47
18	Large Scale Screening of Southern African Plant Extracts for the Green Synthesis of Gold Nanoparticles Using Microtitre-Plate Method. Molecules, 2016, 21, 1498.	1.7	44

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19	The In Vitro Immunomodulatory Effects Of Gold Nanoparticles Synthesized From Hypoxis hemerocallidea Aqueous Extract And Hypoxoside On Macrophage And Natural Killer Cells . International Journal of Nanomedicine, 2019, Volume 14, 9007-9018.	3.3	44
20	Establishment of the African Medicines Agency: progress, challenges and regulatory readiness. Journal of Pharmaceutical Policy and Practice, 2021, 14, 29.	1.1	44
21	Targeted delivery using peptide-functionalised gold nanoparticles to white adipose tissues of obese rats. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	37
22	Green synthesis of gold nanoparticles using Acai berry and Elderberry extracts and investigation of their effect on prostate and pancreatic cancer cells. Nanobiomedicine, 2021, 8, 184954352199531.	4.4	35
23	The Macrophage Response to Mycobacterium tuberculosis and Opportunities for Autophagy Inducing Nanomedicines for Tuberculosis Therapy. Frontiers in Cellular and Infection Microbiology, 2020, 10, 618414.	1.8	33
24	Synthesis of Biogenic Gold Nanoparticles from Terminalia mantaly Extracts and the Evaluation of Their In Vitro Cytotoxic Effects in Cancer Cells. Molecules, 2020, 25, 4469.	1.7	32
25	Antibacterial activity of biogenic silver and gold nanoparticles synthesized from Salvia africana-lutea and Sutherlandia frutescens. Nanotechnology, 2020, 31, 505607.	1.3	32
26	Nanotechnology-Based Delivery Systems for Antimicrobial Peptides. Pharmaceutics, 2021, 13, 1795.	2.0	32
27	Preparation and Evaluation of Pralidoxime-Loaded PLGA Nanoparticles as Potential Carriers of the Drug across the Blood Brain Barrier. Journal of Nanomaterials, 2015, 2015, 1-5.	1.5	30
28	Curdlan-Conjugated PLGA Nanoparticles Possess Macrophage Stimulant Activity and Drug Delivery Capabilities. Pharmaceutical Research, 2015, 32, 2713-26.	1.7	30
29	Plant Extract-Synthesized Silver Nanoparticles for Application in Dental Therapy. Pharmaceutics, 2022, 14, 380.	2.0	28
30	Influence of PEGylation on PLGA nanoparticle properties, hydrophobic drug release and interactions with human serum albumin. Journal of Pharmacy and Pharmacology, 2019, 71, 1497-1507.	1.2	27
31	State of the art and future directions in nanomedicine for tuberculosis. Expert Opinion on Drug Delivery, 2013, 10, 1725-1734.	2.4	26
32	Computational insight of dexamethasone against potential targets of SARS-CoV-2. Journal of Biomolecular Structure and Dynamics, 2022, 40, 875-885.	2.0	25
33	Encapsulation of Variabilin in Stearic Acid Solid Lipid Nanoparticles Enhances Its Anticancer Activity in Vitro. Molecules, 2020, 25, 830.	1.7	25
34	Gold Nanoparticles Synthesized Using Extracts of Cyclopia intermedia, Commonly Known as Honeybush, Amplify the Cytotoxic Effects of Doxorubicin. Nanomaterials, 2021, 11, 132.	1.9	25
35	A low-cost flow cytometric assay for the detection and quantification of apoptosis using an anionic halogenated fluorescein dye. BioTechniques, 2008, 45, 317-320.	0.8	24
36	Trinuclear Half-Sandwich RuII, RhIIIand IrIIIPolyester Organometallic Complexes: Synthesis and in vitro Evaluation as Antitumor Agents. European Journal of Inorganic Chemistry, 2015, 2015, 1433-1444.	1.0	24

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37	Oral lipid-based nanoformulation of tafenoquine enhanced bioavailability and blood stage antimalarial efficacy and led to a reduction in human red blood cell loss in mice. International Journal of Nanomedicine, 2015, 10, 1493.	3.3	23
38	Inhibitory potential of repurposed drugs against the SARS-CoV-2 main protease: a computational-aided approach. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3416-3427.	2.0	22
39	Synthesis, characterization and anticancer activity of new 2-acetyl-5-methyl thiophene and cinnamaldehyde thiosemicarbazones and their palladium(II) complexes. Inorganica Chimica Acta, 2021, 515, 120036.	1.2	21
40	Mycobacterium Tuberculosis and Interactions with the Host Immune System: Opportunities for Nanoparticle Based Immunotherapeutics and Vaccines. Pharmaceutical Research, 2019, 36, 8.	1.7	20
41	Understanding the epidemiology, pathophysiology, diagnosis and management of SARS-CoV-2. Journal of International Medical Research, 2020, 48, 030006052094907.	0.4	20
42	Peptide-functionalized quantum dots for potential applications in the imaging and treatment of obesity. International Journal of Nanomedicine, 2018, Volume 13, 2551-2559.	3.3	19
43	Comparative whole corona fingerprinting and protein adsorption thermodynamics of PLGA and PCL nanoparticles in human serum. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110816.	2.5	19
44	Curdlanâ€“Chitosan Electrospun Fibers as Potential Scaffolds for Bone Regeneration. Polymers, 2021, 13, 526.	2.0	19
45	The antimicrobial activity of biogenic silver nanoparticles synthesized from extracts of Red and Green European pear cultivars. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 613-624.	1.9	19
46	Wound Healing Activities and Potential of Selected African Medicinal Plants and Their Synthesized Biogenic Nanoparticles. Plants, 2021, 10, 2635.	1.6	19
47	Vascular targeted nanotherapeutic approach for obesity treatment. International Journal of Nanomedicine, 2018, Volume 13, 7915-7929.	3.3	18
48	In Vitro Antidiabetic and Antioxidant Effects of Different Extracts of Catharanthus roseus and Its Indole Alkaloid, Vindoline. Molecules, 2020, 25, 5546.	1.7	18
49	Deciphering the interaction of puerarin with cancer macromolecules: An in silico investigation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 848-859.	2.0	18
50	Gene Expression Alterations and Molecular Analysis of CHEK1 in Solid Tumors. Cancers, 2020, 12, 662.	1.7	18
51	Assessment of plasma concentrations of (â^')-epigallocatechin gallate in mice following administration of a dose reflecting consumption of a standard green tea beverage. Food Chemistry, 2011, 128, 7-13.	4.2	17
52	Formulation and characterization of a paediatric nanoemulsion dosage form with modified oral drug delivery system for improved dissolution rate of nevirapine. MRS Advances, 2018, 3, 2203-2219.	0.5	17
53	Comparative in vitro transportation of pentamidine across the blood-brain barrier using polycaprolactone nanoparticles and phosphatidylcholine liposomes. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 1428-1436.	1.9	17
54	Functionalization of PLGA Nanoparticles with 1,3-Î²-glucan Enhances the Intracellular Pharmacokinetics of Rifampicin in Macrophages. Pharmaceutical Research, 2018, 35, 111.	1.7	16

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55	Antibacterial Activity of Rationally Designed Antimicrobial Peptides. International Journal of Microbiology, 2020, 2020, 1-9.	0.9	16
56	Development of Effective Therapeutic Molecule from Natural Sources against Coronavirus Protease. International Journal of Molecular Sciences, 2021, 22, 9431.	1.8	16
57	Broad Spectrum Anti-Bacterial Activity and Non-Selective Toxicity of Gum Arabic Silver Nanoparticles. International Journal of Molecular Sciences, 2022, 23, 1799.	1.8	16
58	Molecular Application of Aptamers in the Diagnosis and Treatment of Cancer and Communicable Diseases. Pharmaceuticals, 2018, 11, 93.	1.7	15
59	Synthesis, physicochemical characterization, toxicity and efficacy of a PEG conjugate and a hybrid PEG conjugate nanoparticle formulation of the antibiotic moxifloxacin. RSC Advances, 2020, 10, 19770-19780.	1.7	15
60	Evaluating the cytotoxic effects of novel quinone compounds. Anticancer Research, 2014, 34, 4077-86.	0.5	15
61	Peptide-functionalized nanoparticles for the selective induction of apoptosis in target cells. Nanomedicine, 2017, 12, 1631-1645.	1.7	14
62	Apoptosis in Cancer Cells Is Induced by Alternative Splicing of hnRNPA2/B1 Through Splicing of Bcl-x, a Mechanism that Can Be Stimulated by an Extract of the South African Medicinal Plant, Cotyledon orbiculata. Frontiers in Oncology, 2020, 10, 547392.	1.3	14
63	Pleiocarpa pycnantha leaves and its triterpenes induce apoptotic cell death in Caco-2 cells in vitro. BMC Complementary and Alternative Medicine, 2015, 15, 224.	3.7	13
64	Polymeric Micellar Formulation Enhances Antimicrobial and Anticancer Properties of Salinomycin. Pharmaceutical Research, 2019, 36, 83.	1.7	13
65	Role of Ï€-conjugation on the coordination behaviour, substitution kinetics, DNA/BSA interactions, and in vitro cytotoxicity of carboxamide palladium(<scp>ii</scp>) complexes. Dalton Transactions, 2021, 50, 8127-8143.	1.6	13
66	Nanotechnology-Based Strategies for Effective and Rapid Detection of SARS-CoV-2. Materials, 2021, 14, 7851.	1.3	12
67	The nanomedicine landscape of South Africa. Nanotechnology Reviews, 2017, 6, 339-344.	2.6	11
68	In vitro anti-oxidant and cytotoxic activities of gold nanoparticles synthesized from an aqueous extract of the Xylopia aethiopica fruit. Nanotechnology, 2021, 32, 315101.	1.3	11
69	Physicochemical and Biological Evaluation of Curdlan-Poly(Lactic-Co-Glycolic Acid) Nanoparticles as a Host-Directed Therapy Against Mycobacterium Tuberculosis. Journal of Pharmaceutical Sciences, 2022, 111, 469-478.	1.6	11
70	MicroRNA-based regulation of Aurora A kinase in breast cancer. Oncotarget, 2020, 11, 4306-4324.	0.8	11
71	Heteroditopic P,N ligands in gold(I) complexes: Synthesis, structure and cytotoxicity. Journal of Inorganic Biochemistry, 2015, 145, 108-120.	1.5	10
72	Nanomedicines for Infectious Diseases. Pharmaceutical Research, 2019, 36, 63.	1.7	10

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73	Expression of cyclin-dependent kinases and their clinical significance with immune infiltrates could predict prognosis in colorectal cancer. Biotechnology Reports (Amsterdam, Netherlands), 2021, 29, e00602.	2.1	10
74	Synthesis, computational and biological studies of alkyltin(IV) N-methyl-N-hydroxyethyl dithiocarbamate complexes. Heliyon, 2021, 7, e07693.	1.4	10
75	An Unusual 2,3-Secotaraxerene and Other Cytotoxic Triterpenoids from Pleiocarpa pycnantha (Apocynaceae) Leaves Collected from Nigeria. Molecules, 2014, 19, 3389-3400.	1.7	9
76	The cytotoxicity studies of water-soluble InP/ZnSe quantum dots. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	9
77	Aptamer-Based Diagnostic Systems for the Rapid Screening of TB at the Point-of-Care. Diagnostics, 2021, 11, 1352.	1.3	9
78	Phenolic content, antioxidant, cytotoxic and antiproliferative effects of fractions of Vigna subterraenea (L.) verdc from Mpumalanga, South Africa. Heliyon, 2021, 7, e08397.	1.4	9
79	Cathelicidins and defensins antimicrobial host defense peptides in the treatment of TB and HIV: Pharmacogenomic and nanomedicine approaches towards improved therapeutic outcomes. Biomedicine and Pharmacotherapy, 2022, 151, 113189.	2.5	9
80	New polyhydroxylated sterols from Palythoa tuberculosa and their apoptotic activity in cancer cells. Steroids, 2015, 101, 110-115.	0.8	7
81	Synthesis, Characterization, and DNA-Binding Kinetics of New Pd(II) and Pt(II) Thiosemicarbazone Complexes: Spectral, Structural, and Anticancer Evaluation. Journal of Chemistry, 2020, 2020, 1-17.	0.9	7
82	Computational prediction of potential drug-like compounds from Cannabis sativa leaf extracts targeted towards Alzheimer therapy. Journal of Molecular Liquids, 2022, 360, 119393.	2.3	7
83	Macrophage Targeted Nanoparticles for Antiretroviral (ARV) Delivery. Journal of Personalized Nano Medicine, 2015, 1, 40-48.	0.8	6
84	Synthesis, optical and morphological characterization of doped InP/ZnSe NCs. Physica B: Condensed Matter, 2014, 439, 189-192.	1.3	5
85	An Insight into the Mechanism of Holamine- and Funtumine-Induced Cell Death in Cancer Cells. Molecules, 2020, 25, 5716.	1.7	5
86	Permeation Challenges of Drugs for Treatment of Neurological Tuberculosis and HIV and the Application of Magneto-Electric Nanoparticle Drug Delivery Systems. Pharmaceutics, 2021, 13, 1479.	2.0	5
87	Bioinformatics Prediction and Analysis of MicroRNAs and Their Targets as Biomarkers for Prostate Cancer: A Preliminary Study. Molecular Biotechnology, 2022, 64, 401-412.	1.3	5
88	A Perspective on Nanotechnology and COVID-19 Vaccine Research and Production in South Africa. Viruses, 2021, 13, 2095.	1.5	5
89	Insights into innovative therapeutics for drug-resistant tuberculosis: Host-directed therapy and autophagy inducing modified nanoparticles. International Journal of Pharmaceutics, 2022, 622, 121893.	2.6	5
90	Mentored postdoctoral training in Zimbabwe: A report on a successful collaborative effort. Journal of Public Health in Africa, 2019, 10, 1081.	0.2	4

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91	Medicines Regulatory Science Expertise in Africa: Workforce Capacity Development and Harmonisation Activities Towards the Establishment of the African Medicines Agency. Pharmaceutical Medicine, 2022, 36, 83-97.	1.0	4
92	Cytotoxic and Apoptotic Induction Potential of Extracts from Fermented Citrullus vulgaris Thunb. Seeds on Cervical and Liver Cancer Cells. Journal of Dietary Supplements, 2021, 18, 132-146.	1.4	3
93	Citrate-capped gold nanoparticles with a diameter of 14 nm alter the expression of genes associated with stress response, cytoprotection and lipid metabolism in CaCo-2 cells. Nanotechnology, 2022, 33, 105101.	1.3	3
94	Synthesis, Theoretical Calculation, and Biological Studies of Mono- and Diphenyltin(IV) Complexes of N-Methyl-N-hydroxyethyldithiocarbamate. Molecules, 2022, 27, 2947.	1.7	3
95	Hybrid Curdlan Poly(Î³â€‰â€€Glutamic Acid) Nanoassembly for Immune Modulation in Macrophage. Macromolecular Bioscience, 2021, 21, 2000358.	2.1	2
96	Aqueous soluble gold nanoparticle synthesis using polyethyleneimine and reduced glutathione. International Journal of Materials Research, 2014, 105, 1025-1039.	0.1	1
97	Modulation of Innate Immune Responses Using Nanoparticles for Infectious Disease Therapy. Current Bionanotechnology, 2016, 2, 60-65.	0.6	1
98	Differentially expressed serum proteins from obese Wistar rats as a risk factor for obesity-induced diseases. Scientific Reports, 2020, 10, 12415.	1.6	1