

Ramovatar Meena

List of Publications by Year in descending order

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41
papers

1,546
citations

279798

23
h-index

302126

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41
all docs

41
docs citations

41
times ranked

2752
citing authors

#	ARTICLE	IF	CITATIONS
1	Untargeted Metabolomics in Piper betle Leaf Extracts to Discriminate the Cultivars of Coastal Odisha, India. Applied Biochemistry and Biotechnology, 2022, , 1.	2.9	2
2	Genomic analysis, simultaneous production, and process optimization of extracellular polymeric substances and polyhydroxyalkanoates by Methylobacterium sp. ISTM1 by utilizing molasses. Bioresource Technology, 2022, 354, 127204.	9.6	11
3	Tailoring of Structural, Morphological and Optical Properties of Boron Nitride/Nickel Oxide (BN100-x/NiOx) Nanocomposites. Journal of Cluster Science, 2021, 32, 865.	3.3	8
4	Boron Neutron Capture Therapy Study of 10B Enriched Nanostructured Boron Carbide Against Cervical Cancer and Glioblastoma Cell Line. Journal of Cluster Science, 2021, 32, 221-225.	3.3	7
5	Modulatory effects of Punica granatum L juice against 2115 MHz (3G) radiation-induced reproductive toxicity in male Wistar rat. Environmental Science and Pollution Research, 2021, 28, 54756-54765.	5.3	3
6	Fluorescent boron carbide quantum dots synthesized with a low-temperature solvothermal approach for boron neutron capture therapy. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 132, 114766.	2.7	8
7	Production of polyhydroxybutyrate (PHB) by Parapedobacter sp. ISTM3 isolated from Mawsmai cave utilizing molasses as carbon source. Environmental Technology and Innovation, 2021, 24, 101854.	6.1	14
8	Modern Nanomaterials Extraction and Characterization Techniques Using Plant Samples and Their Biomedical Potential. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 219-233.	0.3	0
9	Boron nitride (10BN) a prospective material for treatment of cancer by boron neutron capture therapy (BNCT). Materials Letters, 2020, 259, 126832.	2.6	25
10	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. Journal of Cluster Science, 2020, 31, 867-876.	3.3	71
11	Phytosynthesis, Characterization and Fungicidal Potential of Emerging Gold Nanoparticles Using PongamiaÂpinnata Leave Extract: A Novel Approach in Nanoparticle Synthesis. Journal of Cluster Science, 2020, 31, 125-131.	3.3	78
12	Piper betle: Augmented Synthesis of Gold Nanoparticles and Its In-vitro Cytotoxicity Assessment on HeLa and HEK293 Cells. Journal of Cluster Science, 2020, 31, 133-145.	3.3	12
13	Emerging Antineoplastic Plant-Based Gold Nanoparticle Synthesis: A Mechanistic Exploration of their Anticancer Activity Toward Cervical Cancer Cells. Journal of Cluster Science, 2020, 31, 1329-1340.	3.3	57
14	Inhibition of multi-drug resistant Klebsiella pneumoniae: Nanoparticles induced photoinactivation in presence of efflux pump inhibitor. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 157, 165-174.	4.3	18
15	CTABâ€PLGA Curcumin Nanoparticles: Preparation, Biophysical Characterization and Their Enhanced Antifungal Activity against Phytopathogenic Fungus <i>Pythium ultimum</i>. ChemistrySelect, 2020, 5, 10574-10580.	1.5	7
16	Mineralogical composition and C/N contents in soil and water among betel vineyards of coastal Odisha, India. SN Applied Sciences, 2020, 2, 1.	2.9	2
17	Penicillium Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. Journal of Cluster Science, 2019, 30, 843-856.	3.3	70
18	<p>Biodistribution, Clearance And Morphological Alterations Of Intravenously Administered Iron Oxide Nanoparticles In Male Wistar Rats<p>. International Journal of Nanomedicine, 2019, Volume 14, 9677-9692.	6.7	52

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19	New <i>N</i> -benzhydrylpiperazine/1,3,4-oxadiazoles conjugates inhibit the proliferation, migration, and induce apoptosis in HeLa cancer cells via oxidative stress-mediated mitochondrial pathway. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 1651-1666.	2.6	6
20	Oxidative stress-mediated alterations on sperm parameters in male Wistar rats exposed to 3G mobile phone radiation. <i>Andrologia</i> , 2019, 51, e13201.	2.1	53
21	Identification, Quantification and <i>In-Vitro</i> ; Genotoxicity of Major Polyaromatic Hydrocarbons Produced by Sugarcane Fly Ash Emitted from Sugarmill. <i>Journal of Environmental Protection</i> , 2019, 10, 1244-1261.	0.7	3
22	Piperazine clubbed with 2-azetidinone derivatives suppresses proliferation, migration and induces apoptosis in human cervical cancer HeLa cells through oxidative stress mediated intrinsic mitochondrial pathway. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018, 23, 113-131.	4.9	26
23	Nanostructured boron carbide (B ₄ C): A bio-compatible and recyclable photo-catalyst for efficient wastewater treatment. <i>Materialia</i> , 2018, 1, 258-264.	2.7	14
24	Iron oxide nanoparticles induced cytotoxicity, oxidative stress and DNA damage in lymphocytes. <i>Journal of Applied Toxicology</i> , 2017, 37, 1232-1244.	2.8	81
25	Nanostructured BN-TiO ₂ composite with ultra-high photocatalytic activity. <i>New Journal of Chemistry</i> , 2017, 41, 11640-11646.	2.8	52
26	Photoinactivation of multidrug resistant bacteria by monomeric methylene blue conjugated gold nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 150-161.	3.8	45
27	PLGA-CTAB curcumin nanoparticles: Fabrication, characterization and molecular basis of anticancer activity in triple negative breast cancer cell lines (MDA-MB-231 cells). <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 944-954.	5.6	36
28	Fabrication of BSA-Green Tea Polyphenols-Chitosan Nanoparticles and Their Role in Radioprotection: A Molecular and Biochemical Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6024-6034.	5.2	46
29	Biofluid metabotyping of occupationally exposed subjects to air pollution demonstrates high oxidative stress and deregulated amino acid metabolism. <i>Scientific Reports</i> , 2016, 6, 35972.	3.3	25
30	Nanostructured Boron Nitride With High Water Dispersibility For Boron Neutron Capture Therapy. <i>Scientific Reports</i> , 2016, 6, 35535.	3.3	124
31	Emerging targets for radioprotection and radiosensitization in radiotherapy. <i>Tumor Biology</i> , 2016, 37, 11589-11609.	1.8	23
32	Role of Macrophage (M1 and M2) in Titanium-Dioxide Nanoparticle-Induced Oxidative Stress and Inflammatory Response in Rat. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 1257-1275.	2.9	29
33	Titanium oxide (TiO ₂) nanoparticles in induction of apoptosis and inflammatory response in brain. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	41
34	Cytotoxic and Genotoxic Effects of Titanium Dioxide Nanoparticles in Testicular Cells of Male Wistar Rat. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 825-840.	2.9	68
35	A graphene/zinc oxide nanocomposite film protects dental implant surfaces against cariogenic <i>Streptococcus mutans</i> . <i>Biofouling</i> , 2014, 30, 1281-1294.	2.2	102
36	Effect of 3G Cell Phone Exposure with Computer Controlled 2-D Stepper Motor on Non-thermal Activation of the hsp27/p38MAPK Stress Pathway in Rat Brain. <i>Cell Biochemistry and Biophysics</i> , 2014, 68, 347-358.	1.8	49

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37	Therapeutic approaches of melatonin in microwave radiations-induced oxidative stress-mediated toxicity on male fertility pattern of Wistar rats. <i>Electromagnetic Biology and Medicine</i> , 2014, 33, 81-91.	1.4	53
38	Cell phone radiation exposure on brain and associated biological systems. <i>Indian Journal of Experimental Biology</i> , 2013, 51, 187-200.	0.0	49
39	Nano-TiO ₂ -Induced Apoptosis by Oxidative Stress-Mediated DNA Damage and Activation of p53 in Human Embryonic Kidney Cells. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 791-808.	2.9	72
40	Effects of hydroxyapatite nanoparticles on proliferation and apoptosis of human breast cancer cells (MCF-7). <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	87
41	Comparative Study Of TiO ₂ And TiSiO ₄ Nanoparticles Induced Oxidative Stress And Apoptosis Of HEK-293 Cells. <i>Advanced Materials Letters</i> , 2012, 3, 459-465.	0.6	17