

# Ramovatar Meena

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,546  
citations

279798

23  
h-index

302126

39  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Boron Nitride With High Water Dispersibility For Boron Neutron Capture Therapy. <i>Scientific Reports</i> , 2016, 6, 35535.	3.3	124
2	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
3	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
4	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
5	Phytosynthesis, Characterization and Fungicidal Potential of Emerging Gold Nanoparticles Using <i>Pongamia pinnata</i> Leave Extract: A Novel Approach in Nanoparticle Synthesis. <i>Journal of Cluster Science</i> , 2020, 31, 125-131.	3.3	78
6	Nano-TiO <sub>2</sub> -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
7	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. <i>Journal of Cluster Science</i> , 2020, 31, 867-876.	3.3	71
8	Penicillium Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. <i>Journal of Cluster Science</i> , 2019, 30, 843-856.	3.3	70
9	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
10	Emerging Antineoplastic Plant-Based Gold Nanoparticle Synthesis: A Mechanistic Exploration of their Anticancer Activity Toward Cervical Cancer Cells. <i>Journal of Cluster Science</i> , 2020, 31, 1329-1340.	3.3	57
11	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
12	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
13	Nanostructured BN-TiO <sub>2</sub> composite with ultra-high photocatalytic activity. <i>New Journal of Chemistry</i> , 2017, 41, 11640-11646.	2.8	52
14	Biodistribution, Clearance And Morphological Alterations Of Intravenously Administered Iron Oxide Nanoparticles In Male Wistar Rats. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 9677-9692.	6.7	52
15	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
16	Cell phone radiation exposure on brain and associated biological systems. <i>Indian Journal of Experimental Biology</i> , 2013, 51, 187-200.	0.0	49
17	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
18	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

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19	Titanium oxide (TiO <sub>2</sub> ) nanoparticles in induction of apoptosis and inflammatory response in brain. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	41
20	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
21	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
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	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
24	Boron nitride (10BN) a prospective material for treatment of cancer by boron neutron capture therapy (BNCT). <i>Materials Letters</i> , 2020, 259, 126832.	2.6	25
25	Emerging targets for radioprotection and radiosensitization in radiotherapy. <i>Tumor Biology</i> , 2016, 37, 11589-11609.	1.8	23
26	Inhibition of multi-drug resistant <i>Klebsiella pneumoniae</i> : Nanoparticles induced photoinactivation in presence of efflux pump inhibitor. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 157, 165-174.	4.3	18
27	Comparative Study Of TiO <sub>2</sub> and TiSiO <sub>4</sub> Nanoparticles Induced Oxidative Stress And Apoptosis Of HEK-293 Cells. <i>Advanced Materials Letters</i> , 2012, 3, 459-465.	0.6	17
28	Nanostructured boron carbide (B <sub>4</sub> C): A bio-compatible and recyclable photo-catalyst for efficient wastewater treatment. <i>Materialia</i> , 2018, 1, 258-264.	2.7	14
29	Production of polyhydroxybutyrate (PHB) by <i>Parapedobacter</i> sp. ISTM3 isolated from Mawsmai cave utilizing molasses as carbon source. <i>Environmental Technology and Innovation</i> , 2021, 24, 101854.	6.1	14
30	Piper beetle: Augmented Synthesis of Gold Nanoparticles and Its In-vitro Cytotoxicity Assessment on HeLa and HEK293 Cells. <i>Journal of Cluster Science</i> , 2020, 31, 133-145.	3.3	12
31	Genomic analysis, simultaneous production, and process optimization of extracellular polymeric substances and polyhydroxyalkanoates by <i>Methylobacterium</i> sp. ISTM1 by utilizing molasses. <i>Bioresource Technology</i> , 2022, 354, 127204.	9.6	11
32	Tailoring of Structural, Morphological and Optical Properties of Boron Nitride/Nickel Oxide (BN <sub>100-x</sub> /NiO <sub>x</sub> ) Nanocomposites. <i>Journal of Cluster Science</i> , 2021, 32, 865.	3.3	8
33	Fluorescent boron carbide quantum dots synthesized with a low-temperature solvothermal approach for boron neutron capture therapy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 132, 114766.	2.7	8
34	CTAB-PLGA Curcumin Nanoparticles: Preparation, Biophysical Characterization and Their Enhanced Antifungal Activity against Phytopathogenic Fungus <i>Pythium ultimum</i> . <i>ChemistrySelect</i> , 2020, 5, 10574-10580.	1.5	7
35	Boron Neutron Capture Therapy Study of 10B Enriched Nanostructured Boron Carbide Against Cervical Cancer and Glioblastoma Cell Line. <i>Journal of Cluster Science</i> , 2021, 32, 221-225.	3.3	7
36	New 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

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37	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
38	Identification, Quantification and &lt;i>In-Vitro&lt;/i> Genotoxicity of Major Polyaromatic Hydrocarbons Produced by Sugarcane Fly Ash Emitted from Sugarmill. Journal of Environmental Protection, 2019, 10, 1244-1261.	0.7	3
39	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
40	Untargeted Metabolomics in Piper betle Leaf Extracts to Discriminate the Cultivars of Coastal Odisha, India. Applied Biochemistry and Biotechnology, 2022, , 1.	2.9	2
41	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