

Mahesh Subramanian

List of Publications by Year in descending order

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34
papers

716
citations

516710
16
h-index

552781
26
g-index

34
all docs

34
docs citations

34
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant properties of a <i>Tinospora cordifolia</i> polysaccharide against iron-mediated lipid damage and β -ray induced protein damage. <i>Redox Report</i> , 2002, 7, 137-143.	4.5	68
2	Resveratrol induced inhibition of <i>Escherichia coli</i> proceeds via membrane oxidation and independent of diffusible reactive oxygen species generation. <i>Redox Biology</i> , 2014, 2, 865-872.	9.0	61
3	Radioprotective Property of the Ethanolic Extract of Piper betel Leaf. <i>Journal of Radiation Research</i> , 2005, 46, 165-171.	1.6	54
4	Induction of apoptosis in human cancer cells by a <i>Bacillus</i> lipopeptide bacillomycin D. <i>Biochimie</i> , 2013, 95, 1722-1731.	2.6	53
5	MADD, a Splice Variant of IG20, Is Indispensable for MAPK Activation and Protection against Apoptosis upon Tumor Necrosis Factor- α Treatment. <i>Journal of Biological Chemistry</i> , 2009, 284, 13533-13541.	3.4	42
6	Femtosecond laser induced surface modification for prevention of bacterial adhesion on 45S5 bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2018, 482, 63-72.	3.1	38
7	A mechanistic study on the nuclease activities of some hydroxystilbenes. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1231-1237.	3.0	33
8	Hydroxychavicol, a key ingredient of Piper betle induces bacterial cell death by DNA damage and inhibition of cell division. <i>Free Radical Biology and Medicine</i> , 2018, 120, 62-71.	2.9	32
9	Antibacterial activity of resveratrol structural analogues: A mechanistic evaluation of the structure-activity relationship. <i>Toxicology and Applied Pharmacology</i> , 2019, 367, 23-32.	2.8	30
10	Resveratrol analogue, trans-4,4'-dihydroxystilbene (DHS), inhibits melanoma tumor growth and suppresses its metastatic colonization in lungs. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1104-1114.	5.6	28
11	Surface texturing of Ti6Al4V alloy using femtosecond laser for superior antibacterial performance. <i>Journal of Laser Applications</i> , 2019, 31, .	1.7	26
12	Nanosecond laser surface texturing of type 316L stainless steel for contact guidance of bone cells and superior corrosion resistance. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100419.	4.1	22
13	AIE based fluorescent self assembled glycoacrylamides for E.coli detection and cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1726-1734.	7.8	21
14	Antioxidant and radioprotective properties of an <i>Ocimum sanctum</i> polysaccharide. <i>Redox Report</i> , 2005, 10, 257-264.	4.5	19
15	Hydroxychavicol from Piper betle induces apoptosis, cell cycle arrest, and inhibits epithelial-mesenchymal transition in pancreatic cancer cells. <i>Biochemical Pharmacology</i> , 2019, 166, 274-291.	4.4	19
16	DNA damage is a late event in resveratrol-mediated inhibition of <i>Escherichia coli</i> . <i>Free Radical Research</i> , 2016, 50, 708-719.	3.3	18
17	Knockdown of IG20 Gene Expression Renders Thyroid Cancer Cells Susceptible to Apoptosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 1467-1471.	3.6	16
18	Radioprotective property of polysaccharide in <i>Tinospora cordifolia</i> . <i>Indian Journal of Biochemistry and Biophysics</i> , 2003, 40, 22-6.	0.0	14

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19	DL- <i>trans</i> -3,4-Dihydroxy-1-selenolane (DHS _{red}) accelerates healing of indomethacin-induced stomach ulceration in mice. <i>Free Radical Research</i> , 2012, 46, 1378-1386.	3.3	13
20	Self-Assembled Glycobis(acrylamide)-Stabilized Gold Nanoparticles for Fluorescent Turn-on Sensing of Lectin and <i>Escherichia coli</i> . <i>ACS Applied Nano Materials</i> , 2020, 3, 1307-1317.	5.0	13
21	dl- <i>trans</i> -3,4-Dihydroxy-1-selenolane (DHS _{red}) heals indomethacin-mediated gastric ulcer in mice by modulating arginine metabolism. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3385-3392.	2.4	12
22	d-Glucose based bisacrylamide crosslinker: synthesis and study of homogeneous biocompatible glycopolymeric hydrogels. <i>RSC Advances</i> , 2014, 4, 59370-59378.	3.6	11
23	In vitro bioactivity and biocompatibility of femtosecond laser-modified Ti6Al4V alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	11
24	Supramolecular Structures Generated <i>via</i> Self-Assembly of a Cell Penetrating Tetrapeptide Facilitate Intracellular Delivery of a Pro-apoptotic Chemotherapeutic Drug. <i>ACS Applied Bio Materials</i> , 2021, 4, 6807-6820.	4.6	10
25	A novel naturally occurring tripyrrole with potential nuclease and anti-tumour properties. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2480-2486.	3.0	9
26	Spice-derived phenolic, malabaricone B induces mitochondrial damage in lung cancer cells <i>via</i> a p53-independent pathway. <i>Food and Function</i> , 2018, 9, 5715-5727.	4.6	9
27	Involvement of Antibiotic Efflux Machinery in Glutathione-Mediated Decreased Ciprofloxacin Activity in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4369-4374.	3.2	8
28	Radioprotective Property of <i>Embllica officinalis</i> . Fruit Ethanol Extract. <i>Pharmaceutical Biology</i> , 2006, 44, 682-690.	2.9	7
29	Involvement of cytoplasmic membrane damage in the copper (II)-dependent cytotoxicity of a novel naturally occurring tripyrrole. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 143-149.	2.4	5
30	Membrane damage precedes DNA damage in hydroxychavicol treated <i>E. coli</i> cells and facilitates cooperativity with hydrophobic antibiotics. <i>Biochimie</i> , 2021, 180, 158-168.	2.6	5
31	A Reusable Column Method Using Glycopolymer-Functionalized Resins for Capture-Detection of Proteins and <i>Escherichia coli</i> . <i>Macromolecular Bioscience</i> , 2021, 21, 2000342.	4.1	3
32	Dimer stilbene, a resveratrol analogue exhibits synergy with antibiotics that target protein synthesis in eradicating <i>Staphylococcus aureus</i> infection. <i>Biochimie</i> , 2022, 201, 128-138.	2.6	3
33	Nanosecond Laser Surface Patterning of Ti6Al4V Bio-alloy for Improved Biological Performance. <i>Advanced Materials Letters</i> , 2019, 10, 825-831.	0.6	2
34	Iron modulatory property of a polysaccharide from Indian medicinal plant <i>Ocimum sanctum</i> . <i>Free Radical Research</i> , 2021, 55, 758-767.	3.3	1