

Satwinderjeet Kaur

List of Publications by Year in descending order

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71
papers

1,448
citations

331259

21
h-index

395343

33
g-index

71
all docs

71
docs citations

71
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Genotoxicity of wastewater samples from sewage and industrial effluent detected by the Allium root anaphase aberration and micronucleus assays. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 426, 183-188.	0.4	126
2	Antimutagenicity of hydrolyzable tannins from Terminalia chebula in Salmonella typhimurium. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 419, 169-179.	0.9	79
3	Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention and future perspectives. Biomedicine and Pharmacotherapy, 2018, 97, 564-586.	2.5	73
4	Physiological and Biochemical Changes in <i>Brassica juncea</i> Plants under Cd-Induced Stress. BioMed Research International, 2014, 2014, 1-13.	0.9	64
5	Evaluation of antigenotoxic activity of isoliquiritin apioside from Glycyrrhiza glabra L.. Toxicology in Vitro, 2009, 23, 680-686.	1.1	54
6	Modulation of the Functional Components of Growth, Photosynthesis, and Anti-Oxidant Stress Markers in Cadmium Exposed Brassica juncea L.. Plants, 2019, 8, 260.	1.6	49
7	Isolation of 24-epibrassinolide from leaves of Aegle marmelos and evaluation of its antigenotoxicity employing Allium cepa chromosomal aberration assay. Plant Growth Regulation, 2008, 54, 217-224.	1.8	41
8	Phytoconstituents as apoptosis inducing agents: strategy to combat cancer. Cytotechnology, 2016, 68, 531-563.	0.7	37
9	Self-assembled nanofibers of perylene diimide for the detection of hypochlorite in water, bio-fluids and solid-state: exogenous and endogenous bioimaging of hypochlorite in cells. Journal of Materials Chemistry B, 2020, 8, 125-135.	2.9	37
10	Modulatory role of alizarin from Rubia cordifolia L. against genotoxicity of mutagens. Food and Chemical Toxicology, 2010, 48, 320-325.	1.8	36
11	Search for MDR modulators: Design, syntheses and evaluations of N-substituted acridones for interactions with p-glycoprotein and Mg ²⁺ . Bioorganic and Medicinal Chemistry, 2009, 17, 2423-2427.	1.4	35
12	Perylene diimide-Cu ²⁺ based fluorescent nanoparticles for the detection of spermine in clinical and food samples: a step toward the development of a diagnostic kit as a POCT tool for spermine. Journal of Materials Chemistry B, 2019, 7, 7218-7227.	2.9	32
13	Role of ROS and COX-2/iNOS inhibition in cancer chemoprevention: a review. Phytochemistry Reviews, 2012, 11, 309-337.	3.1	27
14	Perylene diimide dye threaded with dual-react able sites for detection of H ₂ S and Hg ²⁺ : Diagnostic kit and cell imaging. Dyes and Pigments, 2020, 180, 108448.	2.0	26
15	Antioxidant activity and identification of bioactive compounds from leaves of Anthocephalus cadamba by ultra-performance liquid chromatography/electrospray ionization quadrupole time of flight mass spectrometry. Asian Pacific Journal of Tropical Medicine, 2012, 5, 977-985.	0.4	25
16	Thermosensitive injectable hydrogel containing carboplatin loaded nanoparticles: A dual approach for sustained and localized delivery with improved safety and therapeutic efficacy. Journal of Drug Delivery Science and Technology, 2020, 58, 101817.	1.4	25
17	Molecular signatures of sanguinarine in human pancreatic cancer cells: A large scale label-free comparative proteomics approach. Oncotarget, 2015, 6, 10335-10349.	0.8	25
18	1-Toluene-sulfonyl-3-[(3-hydroxy-5-substituted)- β -butyrolactone]-indoles: Synthesis, COX-2 inhibition and anti-cancer activities. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 85-89.	1.0	24

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19	Near-IR discriminative detection of H ₂ S and Cysteine with 7-nitro-2,1,3-benzoxadiazole- <i>perylene</i> diimide conjugate in water, live cells and solid state: Mimicking IMP, INH and NOR/OR complimentary logic. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112151.	2.0	24
20	Antimutagenic Potential of Extracts Isolated from <i>Terminalia Arjuna</i> . <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2001, 20, 6.	0.6	23
21	Modulatory effects of <i>Cassia fistula</i> fruits against free radicals and genotoxicity of mutagens. <i>Food and Chemical Toxicology</i> , 2016, 98, 220-231.	1.8	22
22	Amelioration of hepatic function, oxidative stress, and histopathologic damages by <i>Cassia fistula</i> L. fraction in thioacetamide-induced liver toxicity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29930-29945.	2.7	22
23	Isolation of Phytochemicals from <i>Bauhinia variegata</i> L. Bark and Their In Vitro Antioxidant and Cytotoxic Potential. <i>Antioxidants</i> , 2019, 8, 492.	2.2	22
24	5-aminolevulinic acid regulates Krebs cycle, antioxidative system and gene expression in <i>Brassica juncea</i> L. to confer tolerance against lead toxicity. <i>Journal of Biotechnology</i> , 2020, 323, 283-292.	1.9	22
25	Antioxidant Phytoconstituents From <i>Onosma bracteata</i> Wall. (Boraginaceae) Ameliorate the CCl ₄ Induced Hepatic Damage: In Vivo Study in Male Wistar Rats. <i>Frontiers in Pharmacology</i> , 2020, 11, 1301.	1.6	22
26	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves. <i>Antioxidants</i> , 2020, 9, 173.	2.2	22
27	Growth of bone like hydroxyapatite and cell viability studies on CeO ₂ doped CaO-P ₂ O ₅ -MgO-SiO ₂ bioceramics. <i>Materials Chemistry and Physics</i> , 2020, 243, 122352.	2.0	20
28	Antioxidant and hepatoprotective potential of <i>Lawsonia inermis</i> L. leaves against 2-acetylaminofluorene induced hepatic damage in male Wistar rats. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 56.	3.7	19
29	GROWTH SUPPRESSION OF HUMAN TRANSFORMED CELLS BY TREATMENT WITH BARK EXTRACTS FROM A MEDICINAL PLANT, <i>TERMINALIA ARJUNA</i> . <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2000, 36, 544.	0.7	18
30	Suppression of SOS response in <i>E. coli</i> PQ 37, antioxidant potential and antiproliferative action of methanolic extract of <i>Pteris vittata</i> L. on human MCF-7 breast cancer cells. <i>Food and Chemical Toxicology</i> , 2014, 74, 326-333.	1.8	18
31	Hepatoprotective activity of <i>Butea monosperma</i> bark against thioacetamide-induced liver injury in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 332-341.	2.5	18
32	A multifunctional <i>perylene</i> diimide-based dual-analyte chemodosimeter for specific and rapid detection of H ₂ S and Pd ⁰ in water, biofluids, live cells and solid state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112189.	2.0	18
33	Near-IR oxime-based solvatochromic <i>perylene</i> diimide probe as a chemosensor for Pd species and Cu ²⁺ ions in water and live cells. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 504-514.	1.6	17
34	Modulation of genotoxicity of oxidative mutagens by glycyrrhizic acid from <i>Glycyrrhiza glabra</i> L.. <i>Pharmacognosy Research (discontinued)</i> , 2012, 4, 189.	0.3	15
35	Amelioration of oxidative stress by anthraquinones in various in vitro assays. <i>Asian Pacific Journal of Tropical Disease</i> , 2012, 2, S692-S698.	0.5	15
36	2, 3-Diaryl-5-ethylsulfanylmethyltetrahydrofurans as a new class of COX-2 inhibitors and cytotoxic agents. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2706.	1.5	14

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37	Antiproliferative and Apoptosis Inducing Effects of Non-Polar Fractions from Lawsonia inermis L. in Cervical (HeLa) Cancer Cells. <i>Physiology and Molecular Biology of Plants</i> , 2015, 21, 249-260.	1.4	14
38	Novel Vitamin E TPGS based docetaxel nanovesicle formulation for its safe and effective parenteral delivery: Toxicological, pharmacokinetic and pharmacodynamic evaluation. <i>Journal of Liposome Research</i> , 2021, 31, 365-380.	1.5	14
39	Study of Antimutagenic Potential of Phytoconstituents Isolated from Terminalia arjuna in the Salmonella/Microsome Assay. <i>American Journal of Biomedical Sciences</i> , 0, , 164-177.	0.2	14
40	Imaging of lysosomal activity using naphthalimide-benzimidazole based fluorescent probe in living cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 451-459.	4.0	13
41	Sol-gel derived strontium-doped SiO ₂ -CaO-MgO-P ₂ O ₅ bioceramics for faster growth of bone like hydroxyapatite and their in vitro study for orthopedic applications. <i>Materials Chemistry and Physics</i> , 2020, 245, 122763.	2.0	13
42	In Vitro Protective Effects of Terminalia arjuna Bark Extracts Against the 4-Nitroquinoline-N-Oxide Genotoxicity. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2002, 21, 12.	0.6	13
43	Amelioration of oxidative stress induced by oxidative mutagens and COX-2 inhibitory activity of umbelliferone isolated from Glycyrrhiza glabra L. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S120-S126.	0.5	12
44	Zingerone produces antidiabetic effects and attenuates diabetic nephropathy by reducing oxidative stress and overexpression of NF- κ B, TNF- α , and COX-2 proteins in rats. <i>Journal of Functional Foods</i> , 2020, 74, 104199.	1.6	12
45	Antiproliferative and apoptogenic effects of Cassia fistula L. n-hexane fraction against human cervical cancer (HeLa) cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32017-32033.	2.7	12
46	Onosma bracteata Wall. induces G0/G1 arrest and apoptosis in MG-63 human osteosarcoma cells via ROS generation and AKT/GSK3 β /cyclin E pathway. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14983-15004.	2.7	12
47	A perylene diimide-based nanoring architecture for exogenous and endogenous ATP detection: biochemical assay for monitoring phosphorylation of glucose. <i>Journal of Materials Chemistry B</i> , 2021, 10, 107-119.	2.9	12
48	Pseudo-Crown ether II: Intracellular and solution-, SiNPs based test-kits for ppm level detection of H ₂ S gas. <i>Dyes and Pigments</i> , 2022, 202, 110280.	2.0	11
49	Investigations on Antioxidant, Antiproliferative and COX-2 Inhibitory Potential of Alkaloids from <i>Anthocephalus cadamba</i> (Roxb.) Miq. Leaves. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600376.	1.0	10
50	Isolation and characterization of flavanols from Anthocephalus cadamba and evaluation of their antioxidant, antigenotoxic, cytotoxic and COX-2 inhibitory activities. <i>Revista Brasileira De Farmacognosia</i> , 2016, 26, 474-483.	0.6	9
51	Ethyl acetate fraction of Pteris vittata L. alleviates α -acetylaminofluorene induced hepatic alterations in male Wistar rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 1080-1089.	2.5	9
52	Diacetoxy iodobenzene mediated regioselective synthesis and characterization of novel [1,2,4]triazolo[4,3-a]pyrimidines: apoptosis inducer, antiproliferative activities and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4398-4414.	2.0	9
53	Amelioration of oxidative stress by trans-Anethole via modulating phase I and phase II enzymes against hepatic damage induced by CCl ₄ in male Wistar rats. <i>Environmental Science and Pollution Research</i> , 2022, 29, 6317-6333.	2.7	9
54	Ratiometric α -lightening up TM intracellular probe for Cu ²⁺ and ClO ⁻ and applications for real time detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 423, 113574.	2.0	9

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55	Targeting Akt/NF- κ B/p53 Pathway and Apoptosis Inducing Potential of 1,2-Benzenedicarboxylic Acid, Bis (2-Methyl Propyl) Ester Isolated from <i>Onosma bracteata</i> Wall. against Human Osteosarcoma (MG-63) Cells. <i>Molecules</i> , 2022, 27, 3478.	1.7	9
56	Modulation of mutagenicity in <i>Salmonella typhimurium</i> and antioxidant properties and antiproliferative effects of fractions from <i>Cassia fistula</i> L. on human cervical HeLa and breast MCF-7 cancer cells. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6619-6634.	2.7	8
57	Chemical composition and inhibitory effects of water extract of Henna leaves on reactive oxygen species, DNA scission and proliferation of cancer cells. <i>EXCLI Journal</i> , 2016, 15, 842-857.	0.5	8
58	Inhibitory Activities of Butanol Fraction from <i>Butea monosperma</i> (<i>Lam</i> .) <i>Taub</i> . Bark Against Free Radicals, Genotoxins and Cancer Cells. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600484.	1.0	7
59	<i>trans</i> -Anethole Abrogates Cell Proliferation and Induces Apoptosis through the Mitochondrial-Mediated Pathway in Human Osteosarcoma Cells. <i>Nutrition and Cancer</i> , 2021, 73, 1727-1745.	0.9	7
60	<i>Glycyrrhiza glabra</i> L. Medicinal Plants as Potential Source of COX-2 Inhibitors. <i>American Journal of Biomedical Sciences</i> , 0, , 108-120.	0.2	7
61	<i>Cuminum cyminum</i> Linn. and <i>Coriandrum sativum</i> Linn. extracts modulate Chromium genotoxicity in <i>Allium cepa</i> chromosomal aberration assay. <i>Nucleus (India)</i> , 2011, 54, 99-105.	0.9	4
62	Antiproliferative and Oxidative Damage Protection Activities of Endophytic Fungi <i>Aspergillus fumigatus</i> and <i>Chaetomium globosum</i> from <i>Moringa oleifera</i> Lam.. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3570-3585.	1.4	4
63	An ES IPT based versatile fluorescent probe for bioimaging live-cells and <i>E. coli</i> under strongly acidic conditions. <i>New Journal of Chemistry</i> , 2021, 45, 19145-19153.	1.4	4
64	Efficacy of golden rain tree against free radicals and H ₂ O ₂ -induced damage to pUC18/calf thymus DNA. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S781-S787.	0.5	3
65	In Vitro Studies on the Antioxidant/Antigenotoxic Potential of Aqueous Fraction from <i>Anthocephalus cadamba</i> Bark. , 2014, , 61-72.		3
66	Bioassay-Guided Isolation of Antimutagenic Factors from Fruits of <i>Terminalia Bellerica</i> . <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2003, 22, 67-76.	0.6	3
67	Modulation of chromium trioxide induced genotoxicity by methanol extract of leaves of <i>Trigonella foenum-graecum</i> ; L. <i>Journal of Experimental and Integrative Medicine</i> , 2012, 2, 77.	0.1	3
68	Changes in growth and antioxidative enzyme activities in <i>Vicia faba</i> L. seedlings under chromium stress. <i>Indian Journal of Plant Physiology</i> , 2014, 19, 101-106.	0.8	2
69	DNA-protective effect of extract/fractions from <i>Centella asiatica</i> (L.) Urban in single cell gel electrophoresis assay. <i>Spatula DD</i> , 2011, 1, 207.	0.1	2
70	Antimutagenic Effect of Ayurvedic Therapies. , 2003, , 255-271.		1
71	Genotoxicity of sodium arsenite on <i>Vicia faba</i> root meristematic cells. <i>Nucleus (India)</i> , 0, , 1.	0.9	0