

# Satwinderjeet Kaur

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Amelioration of oxidative stress by trans-Anethole via modulating phase I and phase II enzymes against hepatic damage induced by CCl <sub>4</sub> in male Wistar rats. <i>Environmental Science and Pollution Research</i> , 2022, 29, 6317-6333.	2.7	9
2	Ratiometric fluorescent upâ™ intracellular probe for Cu <sup>2+</sup> and ClO <sup>-</sup> and applications for real time detection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 423, 113574.	2.0	9
3	Pseudo-Crown ether II: Intracellular and solution-, SiNPs based test-kits for ppm level detection of H <sub>2</sub> S gas. <i>Dyes and Pigments</i> , 2022, 202, 110280.	2.0	11
4	Targeting Akt/NF-ÎB/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
5	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
6	trans-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
7	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
8	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
9	<i>Onosma bracteata</i> Wall. induces G <sub>0</sub> /G <sub>1</sub> arrest and apoptosis in MG-63 human osteosarcoma cells via ROS generation and AKT/GSK3 <sup>Î²</sup> /cyclin E pathway. <i>Environmental Science and Pollution Research</i> , 2021, 28, 14983-15004.	2.7	12
10	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
11	An ESIPT 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
12	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
13	A multifunctional perylenediimide-based dual-analyte chemodosimeter for specific and rapid detection of H <sub>2</sub> S and Pd <sup>0</sup> in water, biofluids, live cells and solid state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112189.	2.0	18
14	Near-IR discriminative detection of H <sub>2</sub> S and Cysteine with 7-nitro-2,1,3-benzoxadiazole-perylenediimide 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
15	Growth of bone like hydroxyapatite and cell viability studies on CeO <sub>2</sub> doped CaO-P <sub>2</sub> O <sub>5</sub> -MgO-SiO <sub>2</sub> bioceramics. <i>Materials Chemistry and Physics</i> , 2020, 243, 122352.	2.0	20
16	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. <i>Journal of Materials Chemistry B</i> , 2020, 8, 125-135.	2.9	37
17	Zingerone produces antidiabetic effects and attenuates diabetic nephropathy by reducing oxidative stress and overexpression of NF-ÎB, TNF-Î±, and COX-2 proteins in rats. <i>Journal of Functional Foods</i> , 2020, 74, 104199.	1.6	12
18	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

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19	Antioxidant Phytoconstituents From <i>Onosma bracteata</i> Wall. (Boraginaceae) Ameliorate the CCl <sub>4</sub> Induced Hepatic Damage: In Vivo Study in Male Wistar Rats. <i>Frontiers in Pharmacology</i> , 2020, 11, 1301.	1.6	22
20	Antiproliferative and apoptogenic effects of <i>Cassia fistula</i> L. n-hexane fraction against human cervical cancer (HeLa) cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32017-32033.	2.7	12
21	Near-IR oxime-based solvatochromic perylene diimide probe as a chemosensor for Pd species and Cu <sup>2+</sup> ions in water and live cells. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 504-514.	1.6	17
22	Sol-gel derived strontium-doped SiO <sub>2</sub> –CaO–MgO–P <sub>2</sub> O <sub>5</sub> 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
23	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves. <i>Antioxidants</i> , 2020, 9, 173.	2.2	22
24	Perylene diimide dye threaded with dual-react able sites for detection of H <sub>2</sub> S and Hg <sup>2+</sup> : Diagnostic kit and cell imaging. <i>Dyes and Pigments</i> , 2020, 180, 108448.	2.0	26
25	Thermosensitive injectable hydrogel containing carboplatin loaded nanoparticles: A dual approach for sustained and localized delivery with improved safety and therapeutic efficacy. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101817.	1.4	25
26	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
27	Modulation of the Functional Components of Growth, Photosynthesis, and Anti-Oxidant Stress Markers in Cadmium Exposed <i>Brassica juncea</i> L.. <i>Plants</i> , 2019, 8, 260.	1.6	49
28	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
29	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
30	Perylene diimide–Cu <sup>2+</sup> 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. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7218-7227.	2.9	32
31	Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention and future perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 564-586.	2.5	73
32	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
33	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
34	Ethyl acetate fraction of <i>Pteris vittata</i> L. alleviates 2-acetylaminofluorene induced hepatic alterations in male Wistar rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 1080-1089.	2.5	9
35	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
36	Investigations on Antioxidant, Antiproliferative and COX-2 Inhibitory Potential of Alkaloids from <i>Anthocephalus cadamba</i> ( <i>Roxb</i> .) <i>Miq</i> . Leaves. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600376.	1.0	10

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37	Modulatory effects of Cassia fistula fruits against free radicals and genotoxicity of mutagens. Food and Chemical Toxicology, 2016, 98, 220-231.	1.8	22
38	Isolation and characterization of flavanols from Anthocephalus cadamba and evaluation of their antioxidant, antigenotoxic, cytotoxic and COX-2 inhibitory activities. Revista Brasileira De Farmacognosia, 2016, 26, 474-483.	0.6	9
39	Phytoconstituents as apoptosis inducing agents: strategy to combat cancer. Cytotechnology, 2016, 68, 531-563.	0.7	37
40	Chemical composition and inhibitory effects of water extract of Henna leaves on reactive oxygen species, DNA scission and proliferation of cancer cells. EXCLI Journal, 2016, 15, 842-857.	0.5	8
41	Antiproliferative and Apoptosis Inducing Effects of Non-Polar Fractions from Lawsonia inermis L. in Cervical (HeLa) Cancer Cells. Physiology and Molecular Biology of Plants, 2015, 21, 249-260.	1.4	14
42	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
43	Physiological and Biochemical Changes in Brassica juncea Plants under Cd-Induced Stress. BioMed Research International, 2014, 2014, 1-13.	0.9	64
44	Suppression of SOS response in E. coli PQ 37, antioxidant potential and antiproliferative action of methanolic extract of Pteris vittata L. on human MCF-7 breast cancer cells. Food and Chemical Toxicology, 2014, 74, 326-333.	1.8	18
45	Changes in growth and antioxidative enzyme activities in Vicia faba L. seedlings under chromium stress. Indian Journal of Plant Physiology, 2014, 19, 101-106.	0.8	2
46	In Vitro Studies on the Antioxidant/Antigenotoxic Potential of Aqueous Fraction from Anthocephalus cadamba Bark. , 2014, , 61-72.		3
47	Modulation of genotoxicity of oxidative mutagens by glycyrrhizic acid from Glycyrrhiza glabra L. Pharmacognosy Research (discontinued), 2012, 4, 189.	0.3	15
48	Amelioration of oxidative stress by anthraquinones in various in vitro assays. Asian Pacific Journal of Tropical Disease, 2012, 2, S692-S698.	0.5	15
49	Efficacy of golden rain tree against free radicals and H2O2-induced damage to pUC18/calf thymus DNA. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, S781-S787.	0.5	3
50	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
51	Role of ROS and COX-2/iNOS inhibition in cancer chemoprevention: a review. Phytochemistry Reviews, 2012, 11, 309-337.	3.1	27
52	Amelioration of oxidative stress induced by oxidative mutagens and COX-2 inhibitory activity of umbelliferone isolated from Glycyrrhiza glabra L. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, S120-S126.	0.5	12
53	Modulation of chromium trioxide induced genotoxicity by methanol extract of leaves of &lt;i>Trigonella foenum-graecum&lt;/i> L. Journal of Experimental and Integrative Medicine, 2012, 2, 77.	0.1	3
54	Cuminum cyminum Linn. and Coriandrum sativum Linn. extracts modulate Chromium genotoxicity in Allium cepa chromosomal aberration assay. Nucleus (India), 2011, 54, 99-105.	0.9	4

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55	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
56	Modulatory role of alizarin from <i>Rubia cordifolia</i> L. against genotoxicity of mutagens. <i>Food and Chemical Toxicology</i> , 2010, 48, 320-325.	1.8	36
57	Search for MDR modulators: Design, syntheses and evaluations of N-substituted acridones for interactions with p-glycoprotein and Mg <sup>2+</sup> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2423-2427.	1.4	35
58	Evaluation of antigenotoxic activity of isoliquiritin apioside from <i>Glycyrrhiza glabra</i> L.. <i>Toxicology in Vitro</i> , 2009, 23, 680-686.	1.1	54
59	1-Toluene-sulfonyl-3-[(3-hydroxy-5-substituted)- $\beta$ -butyrolactone]-indoles: Synthesis, COX-2 inhibition and anti-cancer activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 85-89.	1.0	24
60	Isolation of 24-epibrassinolide from leaves of <i>Aegle marmelos</i> and evaluation of its antigenotoxicity employing <i>Allium cepa</i> chromosomal aberration assay. <i>Plant Growth Regulation</i> , 2008, 54, 217-224.	1.8	41
61	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
62	Antimutagenic Effect of Ayurvedic Therapies. , 2003, , 255-271.		1
63	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
64	In Vitro Protective Effects of <i>Terminalia arjuna</i> Bark Extracts Against the 4-Nitroquinoline-N-Oxide Genotoxicity. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2002, 21, 12.	0.6	13
65	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
66	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
67	Genotoxicity of wastewater samples from sewage and industrial effluent detected by the <i>Allium root</i> anaphase aberration and micronucleus assays. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 426, 183-188.	0.4	126
68	Antimutagenicity of hydrolyzable tannins from <i>Terminalia chebula</i> in <i>Salmonella typhimurium</i> . <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 419, 169-179.	0.9	79
69	<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
70	Study of Antimutagenic Potential of Phytoconstituents Isolated from <i>Terminalia arjuna</i> in the <i>Salmonella/Microsome</i> Assay. <i>American Journal of Biomedical Sciences</i> , 0, , 164-177.	0.2	14
71	Genotoxicity of sodium arsenite on <i>Vicia faba</i> root meristematic cells. <i>Nucleus (India)</i> , 0, , 1.	0.9	0