

Satish Rao Bola Sadashiva

List of Publications by Year in descending order

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86
papers

2,092
citations

185998

28
h-index

276539

41
g-index

87
all docs

87
docs citations

87
times ranked

3082
citing authors

#	ARTICLE	IF	CITATIONS
1	Juglone, a naphthoquinone from walnut, exerts cytotoxic and genotoxic effects against cultured melanoma tumor cells. <i>Cell Biology International</i> , 2009, 33, 1039-1049.	1.4	135
2	Effect of cryopreservation on sperm DNA integrity in patients with teratospermia. <i>Fertility and Sterility</i> , 2008, 89, 1723-1727.	0.5	86
3	<i>Ficus racemosa</i> Stem Bark Extract: A Potent Antioxidant and a Probable Natural Radioprotector. Evidence-based Complementary and Alternative Medicine, 2009, 6, 317-324.	0.5	67
4	A comparative in vitro evaluation of cytotoxic effects of EDTA and maleic acid: Root canal irrigants. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, 633-638.	1.6	67
5	Cytoprotective and antigenotoxic potential of Mangiferin, a glucosylxanthone against cadmium chloride induced toxicity in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2009, 47, 592-600.	1.8	61
6	Protective effect of Zingerone, a dietary compound against radiation induced genetic damage and apoptosis in human lymphocytes. <i>European Journal of Pharmacology</i> , 2011, 657, 59-66.	1.7	58
7	DNA Double-Strand Break Analysis by γ -H2AX Foci: A Useful Method for Determining the Overreactors to Radiation-Induced Acute Reactions Among Head-and-Neck Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e607-e612.	0.4	57
8	Antioxidant, anticlastogenic and radioprotective effect of <i>Coleus aromaticus</i> on Chinese hamster fibroblast cells (V79) exposed to gamma radiation. <i>Mutagenesis</i> , 2006, 21, 237-242.	1.0	56
9	Radiomodifying and anticlastogenic effect of Zingerone on Swiss albino mice exposed to whole body gamma radiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 677, 33-41.	0.9	54
10	Thymol, a naturally occurring monocyclic dietary phenolic compound protects Chinese hamster lung fibroblasts from radiation-induced cytotoxicity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2009, 680, 70-77.	0.9	54
11	Polymorphisms in Radio-Responsive Genes and Its Association with Acute Toxicity among Head and Neck Cancer Patients. <i>PLoS ONE</i> , 2014, 9, e89079.	1.1	48
12	Transgenerational changes in somatic and germ line genetic integrity of first-generation offspring derived from the DNA damaged sperm. <i>Fertility and Sterility</i> , 2010, 93, 2486-2490.	0.5	47
13	Modulation of Gamma Ray Induced Genotoxic Effect by Thymol, a Monoterpene Phenol Derivative of Cymene. <i>Integrative Cancer Therapies</i> , 2011, 10, 374-383.	0.8	47
14	A polymeric temozolomide nanocomposite against orthotopic glioblastoma xenograft: tumor-specific homing directed by nestin. <i>Nanoscale</i> , 2017, 9, 10919-10932.	2.8	46
15	Mangiferin attenuates methylmercury induced cytotoxicity against IMR-32, human neuroblastoma cells by the inhibition of oxidative stress and free radical scavenging potential. <i>Chemico-Biological Interactions</i> , 2011, 193, 129-140.	1.7	43
16	Spectroscopic and histological evaluation of wound healing progression following Low Level Laser Therapy (LLLT). <i>Journal of Biophotonics</i> , 2012, 5, 168-184.	1.1	43
17	Cytotoxic, genotoxic and oxidative stress induced by 1,4-naphthoquinone in B16F1 melanoma tumor cells. <i>Toxicology in Vitro</i> , 2009, 23, 242-250.	1.1	42
18	Formulation of plumbagin loaded long circulating pegylated liposomes: in vivo evaluation in C57BL/6J mice bearing B16F1 melanoma. <i>Drug Delivery</i> , 2011, 18, 511-522.	2.5	41

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19	Antagonistic effects of Zingerone, a phenolic alkanone against radiation-induced cytotoxicity, genotoxicity, apoptosis and oxidative stress in Chinese hamster lung fibroblast cells growing in vitro. <i>Mutagenesis</i> , 2010, 25, 577-587.	1.0	40
20	Targeting receptor-ligand chemistry for drug delivery across blood-brain barrier in brain diseases. <i>Life Sciences</i> , 2021, 274, 119326.	2.0	39
21	DNA-PK: the Major Target for Wortmannin-mediated Radiosensitization by the Inhibition of DSB Repair via NHEJ Pathway.. <i>Journal of Radiation Research</i> , 2003, 44, 151-159.	0.8	37
22	Antigenotoxic effect of mangiferin and changes in antioxidant enzyme levels of Swiss albino mice treated with cadmium chloride. <i>Human and Experimental Toxicology</i> , 2010, 29, 409-418.	1.1	36
23	Photo-biomodulatory response of low-power laser irradiation on burn tissue repair in mice. <i>Lasers in Medical Science</i> , 2016, 31, 1741-1750.	1.0	35
24	Evaluation and optimization of radioprotective activity of <i>Coronopus didymus</i> Linn. in ^{137}Cs -irradiated mice. <i>International Journal of Radiation Biology</i> , 2006, 82, 525-536.	1.0	32
25	Evaluation of Pharmacokinetic, Biodistribution, Pharmacodynamic, and Toxicity Profile of Free Juglone and Its Sterically Stabilized Liposomes. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3517-3528.	1.6	31
26	^{137}Cs -radiation induces cellular sensitivity and aberrant methylation in human tumor cell lines. <i>International Journal of Radiation Biology</i> , 2011, 87, 1086-1096.	1.0	30
27	Tumor Growth Inhibitory Effect of Juglone and Its Radiation Sensitizing Potential. <i>Integrative Cancer Therapies</i> , 2012, 11, 68-80.	0.8	30
28	Preparation, in vitro characterization, pharmacokinetic, and pharmacodynamic evaluation of chitosan-based plumbagin microspheres in mice bearing B16F1 melanoma. <i>Drug Delivery</i> , 2010, 17, 103-113.	2.5	29
29	Influence of Double-Strand Break Repair on Radiation Therapy-Induced Acute Skin Reactions in Breast Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 671-676.	0.4	29
30	Mangiferin, a dietary xanthone protects against mercury-induced toxicity in HepG2 cells. <i>Environmental Toxicology</i> , 2012, 27, 117-127.	2.1	28
31	In vivo radioprotective potential of thymol, a monoterpene phenol derivative of cymene. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 726, 136-145.	0.9	27
32	Objective Assessment of Endogenous Collagen In Vivo during Tissue Repair by Laser Induced Fluorescence. <i>PLoS ONE</i> , 2014, 9, e98609.	1.1	26
33	Polymorphisms in double strand break repair related genes influence radiosensitivity phenotype in lymphocytes from healthy individuals. <i>DNA Repair</i> , 2016, 40, 27-34.	1.3	26
34	Neuroprotective role of naringenin against methylmercury induced cognitive impairment and mitochondrial damage in a mouse model. <i>Environmental Toxicology and Pharmacology</i> , 2019, 71, 103224.	2.0	26
35	Hydroxytyrosol, a dietary phenolic compound forestalls the toxic effects of methylmercury-induced toxicity in IMR-32 human neuroblastoma cells. <i>Environmental Toxicology</i> , 2016, 31, 1264-1275.	2.1	25
36	Systematic Development and Validation of a Thin-Layer Densitometric Bioanalytical Method for Estimation of Mangiferin Employing Analytical Quality by Design (AQbD) Approach. <i>Journal of Chromatographic Science</i> , 2016, 54, 829-841.	0.7	25

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37	Multifunctional lipidic nanocarriers for effective therapy of glioblastoma: recent advances in stimuli-responsive, receptor and subcellular targeted approaches. <i>Journal of Pharmaceutical Investigation</i> , 2022, 52, 49-74.	2.7	25
38	Development and Evaluation of Fiber Optic Probe-based Helium-Neon Low-Level Laser Therapy System for Tissue Regeneration: An <i>In Vivo</i> Experimental Study. <i>Photochemistry and Photobiology</i> , 2010, 86, 1364-1372.	1.3	24
39	Effect of Laser Dose and Treatment Schedule on Excision Wound Healing in Diabetic Mice. <i>Photochemistry and Photobiology</i> , 2011, 87, 1433-1441.	1.3	24
40	PEGylation of superparamagnetic iron oxide nanoparticle for drug delivery applications with decreased toxicity: an in vivo study. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	23
41	Biomimetic nanoarchitecturing: A disguised attack on cancer cells. <i>Journal of Controlled Release</i> , 2021, 329, 413-433.	4.8	23
42	Genetic Variants in CD44 and MAT1A Confer Susceptibility to Acute Skin Reaction in Breast Cancer Patients Undergoing Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 97, 118-127.	0.4	21
43	Systemic Toxicity and Teratogenicity of Copper Oxide Nanoparticles and Copper Sulfate. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2394-2404.	0.9	21
44	Predictive and Prognostic Significance of Glutathione Levels and DNA Damage in Cervix Cancer Patients Undergoing Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 343-349.	0.4	20
45	Thymol, a monoterpene phenolic derivative of cymene, abrogates mercury-induced oxidative stress resultant cytotoxicity and genotoxicity in hepatocarcinoma cells. <i>Environmental Toxicology</i> , 2015, 30, 968-980.	2.1	19
46	Neuroprotection: A versatile approach to combat glaucoma. <i>European Journal of Pharmacology</i> , 2020, 881, 173208.	1.7	17
47	Preventive efficacy of hydroalcoholic extract of <i>Cymbopogon citratus</i> against radiation-induced DNA damage on V79 cells and free radical scavenging ability against radicals generated in vitro. <i>Human and Experimental Toxicology</i> , 2009, 28, 195-202.	1.1	14
48	Mangiferin: A xanthone attenuates mercury chloride induced cytotoxicity and genotoxicity in HepG2 cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011, 25, 108-116.	1.4	14
49	Enhanced effect of geldanamycin nanocomposite against breast cancer cells growing in vitro and as xenograft with vanquished normal cell toxicity. <i>Toxicology and Applied Pharmacology</i> , 2017, 320, 60-72.	1.3	14
50	Small interfering RNAs (siRNAs) based gene silencing strategies for the treatment of glaucoma: Recent advancements and future perspectives. <i>Life Sciences</i> , 2021, 264, 118712.	2.0	14
51	A method to score micronuclei in vivo using cytochalasin B-induced cytokinesis block. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998, 401, 33-37.	0.4	13
52	Harmonization of Mangiferin on methylmercury engendered mitochondrial dysfunction. <i>Environmental Toxicology</i> , 2017, 32, 630-644.	2.1	13
53	Photobiomodulation invigorating collagen deposition, proliferating cell nuclear antigen and Ki67 expression during dermal wound repair in mice. <i>Lasers in Medical Science</i> , 2022, 37, 171-180.	1.0	13
54	Stimulation of cytoprotective autophagy and components of mitochondrial biogenesis / proteostasis in response to ionizing radiation as a credible pro-survival strategy. <i>Free Radical Biology and Medicine</i> , 2020, 152, 715-727.	1.3	13

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55	Laser induced autofluorescence in the monitoring of H^2 -mercaptoethanol mediated photo induced proton coupled electron transfer in proteins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 607-614.	2.0	12
56	Laser-induced autofluorescence-based objective evaluation of burn tissue repair in mice. <i>Lasers in Medical Science</i> , 2018, 33, 699-707.	1.0	12
57	Berberine, a natural alkaloid sensitizes human hepatocarcinoma to ionizing radiation by blocking autophagy and cell cycle arrest resulting in senescence. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1893-1908.	1.2	11
58	Turmeric and curcumin prevents the formation of mutagenic Maillard reaction products. <i>International Congress Series</i> , 2002, 1245, 327-334.	0.2	10
59	Split Dose Recovery Studies using Homologous Recombination Deficient Gene Knockout Chicken B Lymphocyte Cells. <i>Journal of Radiation Research</i> , 2007, 48, 77-85.	0.8	10
60	Monitoring breast tumor progression by photoacoustic measurements: a xenograft mice model study. <i>Journal of Biomedical Optics</i> , 2015, 20, 105002.	1.4	10
61	Effects of low dose ionizing radiation on the brain- a functional, cellular, and molecular perspective. <i>Toxicology</i> , 2022, 465, 153030.	2.0	10
62	Prediction of absorption coefficients by pulsed laser induced photoacoustic measurements. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 85-90.	2.0	9
63	Naringin abates adverse effects of cadmium-mediated hepatotoxicity: An experimental study using HepG2 cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21915.	1.4	9
64	Identification of protein secondary structures by laser induced autofluorescence: A study of urea and GnHCl induced protein denaturation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 44-53.	2.0	9
65	Assessment of genotoxic effect of maleic acid and EDTA: a comparative in vitro experimental study. <i>Clinical Oral Investigations</i> , 2013, 17, 1319-1327.	1.4	8
66	Radiosensitizing potential of Plumbagin in B16F1 melanoma tumor cells through mitochondrial mediated programmed cell death. <i>Journal of Applied Biomedicine</i> , 2015, 13, 279-288.	0.6	8
67	Protection of Ionizing Radiation-Induced Cytogenetic Damage by Hydroalcoholic Extract of <i>Cynodon Dactylon</i> in Chinese Hamster Lung Fibroblast Cells and Human Peripheral Blood Lymphocytes. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2008, 27, 101-112.	0.6	7
68	Combination of swim-up and density gradient separation methods effectively eliminate DNA damaged sperm. <i>Journal of the Turkish German Gynecology Association</i> , 2011, 12, 148-152.	0.2	7
69	Antioxidant and Radiation Antagonistic Effect of <i>Saraca indica</i> . <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2010, 29, 69-79.	0.6	7
70	Mangiferin, a naturally occurring polyphenol, mitigates oxidative stress induced premature senescence in human dermal fibroblast cells. <i>Molecular Biology Reports</i> , 2021, 48, 457-466.	1.0	6
71	Full Factorial Design for Development and Validation of a Stability-Indicating RP-HPLC Method for the Estimation of Timolol Maleate in Surfactant-Based Elastic Nano-Vesicular Systems. <i>Journal of Chromatographic Science</i> , 2022, 60, 584-594.	0.7	5
72	A modified fluorimetric neutral filter elution method for analyzing radiation-induced double strand break and repair. <i>Analytical Biochemistry</i> , 2011, 414, 287-293.	1.1	2

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73	Radio-modifying potential of <i>Saraca indica</i> against ionizing radiation: an in vitro study using Chinese hamster lung fibroblast (V79) cells. <i>Cell Biology International</i> , 2015, 39, 1061-1072.	1.4	2
74	Photoacoustic spectroscopy based investigatory approach to discriminate breast cancer from normal: a pilot study. , 2016, , .		2
75	Efficient T3P [®] mediated synthesis, differential cytotoxicity and apoptosis induction by indolo-triazolo-thiadiazoles in human breast adenocarcinoma cells. <i>Chemico-Biological Interactions</i> , 2017, 268, 53-67.	1.7	2
76	Pharmacological approach to increasing the retention of radiation-induced ^γ -H2AX foci using phosphatase inhibitors: significance in radiation biodosimetry. <i>Journal of Radiological Protection</i> , 2018, 38, 318-328.	0.6	2
77	Non-invasive, in vivo fluorescence technique as an objective tool for monitoring wound healing following low level laser therapy. , 2013, , .		1
78	Photoacoustic spectroscopy in the monitoring of breast tumor development: a pre-clinical study. , 2014, , .		1
79	Low power laser irradiation stimulates cell proliferation via proliferating cell nuclear antigen and Ki-67 expression during tissue repair. , 2015, , .		1
80	Response of S 180 murine tumor to bleomycin in combination with radiation and hyperthermia using micronucleus assay: a multimodality approach for therapeutic augmentation. <i>Indian Journal of Experimental Biology</i> , 2005, 43, 596-600.	0.5	1
81	Nature of autofluorescence in human serum albumin under its native, unfolding and digested forms. , 2014, , .		0
82	Predictive potential of photoacoustic spectroscopy in breast tumor detection based on xenograft serum profiles. , 2015, , .		0
83	Regulation of cellular marker modulated upon irradiation of low power laser light in burn injured mice. , 2016, , .		0
84	Fluorescence based assessment of SDS induced hydrophobic collapse in globular proteins. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
85	Photo-bio modulatory response of platelets to low power laser - A pilot study. , 2017, , .		0
86	Androgen & vitamin D nuclear receptor expression in archival breast tumour samples. <i>Indian Journal of Medical Research</i> , 2006, 123, 73-82.	0.4	0