

Sharda P Singh

List of Publications by Year in descending order

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35
papers

1,502
citations

394421

19
h-index

395702

33
g-index

37
all docs

37
docs citations

37
times ranked

2256
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic function of <i>Drosophila melanogaster</i> glutathione S-transferase DmGSTS1-1 (GST-2) in conjugation of lipid peroxidation end products. <i>FEBS Journal</i> , 2001, 268, 2912-2923.	0.2	254
2	Antioxidant role of glutathione S-transferases: 4-Hydroxynonenal, a key molecule in stress-mediated signaling. <i>Toxicology and Applied Pharmacology</i> , 2015, 289, 361-370.	2.8	152
3	Physiological role of mGSTA4-4, a glutathione S-transferase metabolizing 4-hydroxynonenal: generation and analysis of mGsta4 null mouse. <i>Toxicology and Applied Pharmacology</i> , 2004, 194, 296-308.	2.8	133
4	Sulforaphane protects the heart from doxorubicin-induced toxicity. <i>Free Radical Biology and Medicine</i> , 2015, 86, 90-101.	2.9	104
5	Effects of ionizing radiation on the heart. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 319-327.	5.5	102
6	Role of the Electrophilic Lipid Peroxidation Product 4-Hydroxynonenal in the Development and Maintenance of Obesity in Mice. <i>Biochemistry</i> , 2008, 47, 3900-3911.	2.5	73
7	Sulforaphane potentiates anticancer effects of doxorubicin and attenuates its cardiotoxicity in a breast cancer model. <i>PLoS ONE</i> , 2018, 13, e0193918.	2.5	65
8	Sulforaphane prevents age-associated cardiac and muscular dysfunction through Nrf2 signaling. <i>Aging Cell</i> , 2020, 19, e13261.	6.7	64
9	Membrane Association of Glutathione S-Transferase mGSTA4-4, an Enzyme That Metabolizes Lipid Peroxidation Products. <i>Journal of Biological Chemistry</i> , 2002, 277, 4232-4239.	3.4	60
10	Crystal Structure of a Murine Glutathione S-Transferase in Complex with a Glutathione Conjugate of 4-Hydroxynon-2-enal in One Subunit and Glutathione in the Other: Evidence of Signaling across the Dimer Interface. <i>Biochemistry</i> , 1999, 38, 11887-11894.	2.5	55
11	Disruption of the mGsta4 Gene Increases Life Span of C57BL Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 14-23.	3.6	52
12	Mutagenic Effects of 4-Hydroxynonenal Triacetate, a Chemically Protected Form of the Lipid Peroxidation Product 4-Hydroxynonenal, as Assayed in L5178Y/Tk+ Mouse Lymphoma Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 855-861.	2.5	33
13	mGsta4 Null Mouse Embryonic Fibroblasts Exhibit Enhanced Sensitivity to Oxidants: Role of 4-Hydroxynonenal in Oxidant Toxicity. <i>Open Journal of Apoptosis</i> , 2013, 02, 1-11.	1.5	31
14	Lipid depletion prevents spontaneous neoplasia in TP53 null mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3918-3923.	7.1	29
15	Fat accumulation in <i>Caenorhabditis elegans</i> triggered by the electrophilic lipid peroxidation product 4-Hydroxynonenal (4-HNE). <i>Aging</i> , 2008, 1, 68-80.	3.1	28
16	Effects of local irradiation combined with sunitinib on early remodeling, mitochondria, and oxidative stress in the rat heart. <i>Radiotherapy and Oncology</i> , 2016, 119, 259-264.	0.6	27
17	Modulation of myocardial injury and collagen deposition following ischaemia-reperfusion by linagliptin and liraglutide, and both together. <i>Clinical Science</i> , 2016, 130, 1353-1362.	4.3	27
18	A New Derivatization Reagent for HPLC-MS Analysis of Biological Organic Acids. <i>Chromatographia</i> , 2017, 80, 1723-1732.	1.3	24

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19	Anticancer activity of 2â€™-hydroxyflavanone towards lung cancer. <i>Oncotarget</i> , 2018, 9, 36202-36219.	1.8	22
20	Effects of Local Heart Irradiation in a Glutathione S-Transferase Alpha 4-Null Mouse Model. <i>Radiation Research</i> , 2015, 183, 610.	1.5	20
21	Effects of low-dose oxygen ions and protons on cardiac function and structure in male C57BL/6J mice. <i>Life Sciences in Space Research</i> , 2019, 20, 72-84.	2.3	20
22	Protection from Oxidative and Electrophilic Stress in the Gsta4-null Mouse Heart. <i>Cardiovascular Toxicology</i> , 2013, 13, 347-356.	2.7	16
23	Multi-Omic Analysis Reveals Different Effects of Sulforaphane on the Microbiome and Metabolome in Old Compared to Young Mice. <i>Microorganisms</i> , 2020, 8, 1500.	3.6	14
24	Topical 2â€²-Hydroxyflavanone for Cutaneous Melanoma. <i>Cancers</i> , 2019, 11, 1556.	3.7	13
25	The human hGSTA5 gene encodes an enzymatically active protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 16-22.	2.4	12
26	Rolipram Improves Outcome in a Rat Model of Infant Sepsis-Induced Cardiorenal Syndrome. <i>Frontiers in Pharmacology</i> , 2017, 8, 237.	3.5	12
27	RALBP1 in Oxidative Stress and Mitochondrial Dysfunction in Alzheimerâ€™s Disease. <i>Cells</i> , 2021, 10, 3113.	4.1	12
28	Dietary supplementation with sulforaphane ameliorates skin aging through activation of the Keap1-Nrf2 pathway. <i>Journal of Nutritional Biochemistry</i> , 2021, 98, 108817.	4.2	11
29	Effects of single-dose protons or oxygen ions on function and structure of the cardiovascular system in male Long Evans rats. <i>Life Sciences in Space Research</i> , 2020, 26, 62-68.	2.3	8
30	Rlip76: An Unexplored Player in Neurodegeneration and Alzheimerâ€™s Disease?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6098.	4.1	8
31	Rlip Depletion Suppresses Growth of Breast Cancer. <i>Cancers</i> , 2020, 12, 1446.	3.7	7
32	Anticancer Activity of Î©-6 Fatty Acids through Increased 4-HNE in Breast Cancer Cells. <i>Cancers</i> , 2021, 13, 6377.	3.7	6
33	Haploinsufficiency Interactions between RALBP1 and p53 in ERBB2 and PyVT Models of Mouse Mammary Carcinogenesis. <i>Cancers</i> , 2021, 13, 3329.	3.7	5
34	Targeting mitochondrial oxidants in a pediatric model of sepsisâ€™induced cardiomyopathy. <i>FASEB Journal</i> , 2015, 29, 942.9.	0.5	0
35	Rlip Depletion Alters Oncogene Transcription at Multiple Distinct Regulatory Levels. <i>Cancers</i> , 2022, 14, 527.	3.7	0