

Joydeep Das

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

4,528

citations

39

h-index

67

g-index

70

ext. papers

5,365

ext. citations

5.8

avg, IF

6.12

L-index

#	Paper	IF	Citations
68	Oxidative stress: the mitochondria-dependent and mitochondria-independent pathways of apoptosis. <i>Archives of Toxicology</i> , 2013 , 87, 1157-80	5.8	918
67	Taurine protects rat testes against NaAsO ₂ -induced oxidative stress and apoptosis via mitochondrial dependent and independent pathways. <i>Toxicology Letters</i> , 2009 , 187, 201-10	4.4	169
66	Small molecules derived carbon dots: synthesis and applications in sensing, catalysis, imaging, and biomedicine. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 92	9.4	165
65	Taurine suppresses doxorubicin-triggered oxidative stress and cardiac apoptosis in rat via up-regulation of PI3-K/Akt and inhibition of p53, p38-JNK. <i>Biochemical Pharmacology</i> , 2011 , 81, 891-909 ⁶	6	151
64	Taurine prevents arsenic-induced cardiac oxidative stress and apoptotic damage: role of NF-kappa B, p38 and JNK MAPK pathway. <i>Toxicology and Applied Pharmacology</i> , 2009 , 240, 73-87	4.6	144
63	Contribution of type 1 diabetes to rat liver dysfunction and cellular damage via activation of NOS, PARP, I κ B α /NF-kappaB, MAPKs, and mitochondria-dependent pathways: Prophylactic role of arjunolic acid. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1465-84	7.8	135
62	Mangiferin exerts hepatoprotective activity against D-galactosamine induced acute toxicity and oxidative/nitrosative stress via Nrf2-NFB pathways. <i>Toxicology and Applied Pharmacology</i> , 2012 , 260, 35-47	4.6	126
61	The protective role of arjunolic acid against doxorubicin induced intracellular ROS dependent JNK-p38 and p53-mediated cardiac apoptosis. <i>Biomaterials</i> , 2011 , 32, 4857-66	15.6	118
60	Acetaminophen induced acute liver failure via oxidative stress and JNK activation: protective role of taurine by the suppression of cytochrome P450 2E1. <i>Free Radical Research</i> , 2010 , 44, 340-55	4	112
59	Nano-copper induces oxidative stress and apoptosis in kidney via both extrinsic and intrinsic pathways. <i>Toxicology</i> , 2011 , 290, 208-17	4.4	111
58	Taurine exerts hypoglycemic effect in alloxan-induced diabetic rats, improves insulin-mediated glucose transport signaling pathway in heart and ameliorates cardiac oxidative stress and apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2012 , 258, 296-308	4.6	103
57	Taurine ameliorates alloxan-induced diabetic renal injury, oxidative stress-related signaling pathways and apoptosis in rats. <i>Amino Acids</i> , 2012 , 43, 1509-23	3.5	103
56	Taurine protects rat testes against doxorubicin-induced oxidative stress as well as p53, Fas and caspase 12-mediated apoptosis. <i>Amino Acids</i> , 2012 , 42, 1839-55	3.5	103
55	Taurine ameliorate alloxan induced oxidative stress and intrinsic apoptotic pathway in the hepatic tissue of diabetic rats. <i>Food and Chemical Toxicology</i> , 2013 , 51, 317-29	4.7	99
54	Synthesis and biomedical applications of nanoceria, a redox active nanoparticle. <i>Journal of Nanobiotechnology</i> , 2019 , 17, 84	9.4	96
53	Taurine protects acetaminophen-induced oxidative damage in mice kidney through APAP urinary excretion and CYP2E1 inactivation. <i>Toxicology</i> , 2010 , 269, 24-34	4.4	94
52	Acetaminophen induced renal injury via oxidative stress and TNF-alpha production: therapeutic potential of arjunolic acid. <i>Toxicology</i> , 2010 , 268, 8-18	4.4	88

51	Protective role of taurine against arsenic-induced mitochondria-dependent hepatic apoptosis via the inhibition of PKCdelta-JNK pathway. <i>PLoS ONE</i> , 2010 , 5, e12602	3.7	81
50	Arjunolic acid, a triterpenoid saponin, prevents acetaminophen (APAP)-induced liver and hepatocyte injury via the inhibition of APAP bioactivation and JNK-mediated mitochondrial protection. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 535-53	7.8	80
49	Cytoprotective effect of arjunolic acid in response to sodium fluoride mediated oxidative stress and cell death via necrotic pathway. <i>Toxicology in Vitro</i> , 2008 , 22, 1918-26	3.6	80
48	Targeted delivery of quercetin via pH-responsive zinc oxide nanoparticles for breast cancer therapy. <i>Materials Science and Engineering C</i> , 2019 , 100, 129-140	8.3	73
47	Contribution of nano-copper particles to in vivo liver dysfunction and cellular damage: role of IB / NF-B , MAPKs and mitochondrial signal. <i>Nanotoxicology</i> , 2012 , 6, 1-21	5.3	71
46	Hepatotoxicity of di-(2-ethylhexyl)phthalate is attributed to calcium aggravation, ROS-mediated mitochondrial depolarization, and ERK/ NF-B pathway activation. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1779-91	7.8	71
45	pH-responsive and targeted delivery of curcumin via phenylboronic acid-functionalized ZnO nanoparticles for breast cancer therapy. <i>Journal of Advanced Research</i> , 2019 , 18, 161-172	13	70
44	Hypoxia-mediated autophagic flux inhibits silver nanoparticle-triggered apoptosis in human lung cancer cells. <i>Scientific Reports</i> , 2016 , 6, 21688	4.9	64
43	Multifaceted applications of green carbon dots synthesized from renewable sources. <i>Advances in Colloid and Interface Science</i> , 2020 , 275, 102046	14.3	64
42	Involvement of both intrinsic and extrinsic pathways in hepatoprotection of arjunolic acid against cadmium induced acute damage in vitro. <i>Toxicology</i> , 2011 , 283, 129-39	4.4	62
41	Arsenic-induced oxidative cerebral disorders: protection by taurine. <i>Drug and Chemical Toxicology</i> , 2009 , 32, 93-102	2.3	61
40	Mechanism of the protective action of taurine in toxin and drug induced organ pathophysiology and diabetic complications: a review. <i>Food and Function</i> , 2012 , 3, 1251-64	6.1	59
39	Male- and female-derived somatic and germ cell-specific toxicity of silver nanoparticles in mouse. <i>Nanotoxicology</i> , 2016 , 10, 361-73	5.3	56
38	Taurine provides antioxidant defense against NaF-induced cytotoxicity in murine hepatocytes. <i>Pathophysiology</i> , 2008 , 15, 181-90	1.8	56
37	Modulation of mercury-induced mitochondria-dependent apoptosis by glycine in hepatocytes. <i>Amino Acids</i> , 2012 , 42, 1669-83	3.5	55
36	Streptozotocin induced activation of oxidative stress responsive splenic cell signaling pathways: protective role of arjunolic acid. <i>Toxicology and Applied Pharmacology</i> , 2010 , 244, 114-29	4.6	55
35	Hexavalent chromium induces apoptosis in human liver (HepG2) cells via redox imbalance. <i>Toxicology Reports</i> , 2015 , 2, 600-608	4.8	51
34	Metal-doped and hybrid carbon dots: A comprehensive review on their synthesis and biomedical applications. <i>Journal of Controlled Release</i> , 2021 , 330, 132-150	11.7	50

33	Internalization of silver nanoparticles into mouse spermatozoa results in poor fertilization and compromised embryo development. <i>Scientific Reports</i> , 2015 , 5, 11170	4.9	46
32	Nanoceria-mediated delivery of doxorubicin enhances the anti-tumour efficiency in ovarian cancer cells via apoptosis. <i>Scientific Reports</i> , 2017 , 7, 9513	4.9	43
31	D(+) galactosamine induced oxidative and nitrosative stress-mediated renal damage in rats via NF- κ B and inducible nitric oxide synthase (iNOS) pathways is ameliorated by a polyphenol xanthone, mangiferin. <i>Free Radical Research</i> , 2012 , 46, 116-32	4	41
30	Cationic lipid-nanoceria hybrids, a novel nonviral vector-mediated gene delivery into mammalian cells: investigation of the cellular uptake mechanism. <i>Scientific Reports</i> , 2016 , 6, 29197	4.9	39
29	Protective effect of the fruits of Terminalia arjuna against cadmium-induced oxidant stress and hepatic cell injury via MAPK activation and mitochondria dependent pathway. <i>Food Chemistry</i> , 2010 , 123, 1062-1075	8.5	39
28	The cytotoxic effects of dimethyl sulfoxide in mouse preimplantation embryos: a mechanistic study. <i>Theranostics</i> , 2017 , 7, 4735-4752	12.1	36
27	Microwave induced synthesis of ZnO nanorods and their efficacy as a drug carrier with profound anticancer and antibacterial properties. <i>Toxicology Reports</i> , 2019 , 6, 176-185	4.8	34
26	Zinc oxide nanoparticles: A comprehensive review on its synthesis, anticancer and drug delivery applications as well as health risks. <i>Advances in Colloid and Interface Science</i> , 2020 , 286, 102317	14.3	31
25	Potential toxicity of engineered nanoparticles in mammalian germ cells and developing embryos: treatment strategies and anticipated applications of nanoparticles in gene delivery. <i>Human Reproduction Update</i> , 2016 , 22, 588-619	15.8	28
24	Tumor targeted delivery of umbelliferone via a smart mesoporous silica nanoparticles controlled-release drug delivery system for increased anticancer efficiency. <i>Materials Science and Engineering C</i> , 2020 , 116, 111239	8.3	27
23	Hexavalent chromium induces apoptosis in male somatic and spermatogonial stem cells via redox imbalance. <i>Scientific Reports</i> , 2015 , 5, 13921	4.9	26
22	Efficient delivery of C/EBP beta gene into human mesenchymal stem cells via polyethylenimine-coated gold nanoparticles enhances adipogenic differentiation. <i>Scientific Reports</i> , 2016 , 6, 33784	4.9	23
21	Role of sulfur containing amino acids as an adjuvant therapy in the prevention of diabetes and its associated complications. <i>Current Diabetes Reviews</i> , 2013 , 9, 237-48	2.7	23
20	A state of the art review on the synthesis, antibacterial, antioxidant, antidiabetic and tissue regeneration activities of zinc oxide nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2021 , 295, 102495	14.3	21
19	MicroRNA-7641 is a regulator of ribosomal proteins and a promising targeting factor to improve the efficacy of cancer therapy. <i>Scientific Reports</i> , 2017 , 7, 8365	4.9	20
18	Nanoparticles as Smart Carriers for Enhanced Cancer Immunotherapy. <i>Frontiers in Chemistry</i> , 2020 , 8, 597806	5	20
17	Prophylactic role of D-Saccharic acid-1,4-lactone in tertiary butyl hydroperoxide induced cytotoxicity and cell death of murine hepatocytes via mitochondria-dependent pathways. <i>Journal of Biochemical and Molecular Toxicology</i> , 2011 , 25, 341-54	3.4	13
16	In vivo therapeutic evaluation of a novel bis-lawsone derivative against tumor following delivery using mesoporous silica nanoparticle based redox-responsive drug delivery system. <i>Materials Science and Engineering C</i> , 2021 , 126, 112142	8.3	6

15	Effect of hexavalent chromium-treated sperm on in vitro fertilization and embryo development. <i>Toxicology and Industrial Health</i> , 2016 , 32, 1700-10	1.8	5
14	Methods of preparation of metal-doped and hybrid tungsten oxide nanoparticles for anticancer, antibacterial, and biosensing applications. <i>Surfaces and Interfaces</i> , 2021 , 28, 101641	4.1	4
13	Green synthesis of a novel carbon dots from red Korean ginseng and its application for Fe ²⁺ sensing and preparation of nanocatalyst. <i>Inorganic Chemistry Communication</i> , 2021 , 134, 108985	3.1	3
12	Synthesis of novel carbon dots from taurine for Cu ²⁺ sensing and nanohybrid with ceria for visible light photocatalysis. <i>Optical Materials</i> , 2022 , 124, 111995	3.3	2
11	Taurine and cardiac oxidative stress in diabetes 2020 , 361-372		1
10	Synthesis of green carbon dots as bioimaging agent and drug delivery system for enhanced antioxidant and antibacterial efficacy. <i>Inorganic Chemistry Communication</i> , 2022 , 139, 109317	3.1	1
9	Synthesis of carbon dots from taurine as bioimaging agent and nanohybrid with ceria for antioxidant and antibacterial applications.. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022 , 102861	3.5	1
8	Carnosic acid attenuates doxorubicin-induced cardiotoxicity by decreasing oxidative stress and its concomitant pathological consequences. <i>Food and Chemical Toxicology</i> , 2022 , 113205	4.7	1
7	Emerging Role of Redox-Active Nanoceria in Cancer Therapeutics via Oxidative Stress 2021 , 1-23		0
6	Enhancement of anti-neoplastic effects of cuminaldehyde against breast cancer via mesoporous silica nanoparticle based targeted drug delivery system.. <i>Life Sciences</i> , 2022 , 120525	6.8	0
5	Synthesis of Rutin loaded nanomagnesia as a smart nanoformulation with significant antibacterial and antioxidant properties. <i>Inorganic Chemistry Communication</i> , 2022 , 109492	3.1	0
4	Fabrication of novel carbon dots/cerium oxide nanocomposites for highly sensitive electrochemical detection of doxorubicin. <i>Diamond and Related Materials</i> , 2022 , 125, 109037	3.5	0
3	Fabrication of phenyl boronic acid modified pH-responsive zinc oxide nanoparticles as targeted delivery of chrysin on human A549 cells. <i>Toxicology Reports</i> , 2022 , 9, 961-969	4.8	0
2	The Protective Role of Taurine in Cardiac Oxidative Stress under Diabetic Conditions 2014 , 173-182		
1	The Imperceptible Contagion: Arsenic as a Neuro-Immune-Endocrine Disruptor. <i>Proceedings of the Zoological Society</i> ,1	0.5	