

# Shelley Bhattacharya

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,035  
citations

430874

18  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low dose of arsenic trioxide triggers oxidative stress in zebrafish brain: Expression of antioxidant genes. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 1-8.	6.0	131
2	Arsenic-induced histopathology and synthesis of stress proteins in liver and kidney of <i>Channa punctatus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 218-229.	6.0	130
3	Toxic Metals and Autophagy. <i>Chemical Research in Toxicology</i> , 2014, 27, 1887-1900.	3.3	97
4	Induction of oxidative stress by arsenic in <i>Clarias batrachus</i> : Involvement of peroxisomes. <i>Ecotoxicology and Environmental Safety</i> , 2007, 66, 178-187.	6.0	96
5	Antioxidant responses of the earthworm <i>Lampito mauritii</i> exposed to Pb and Zn contaminated soil. <i>Environmental Pollution</i> , 2008, 151, 1-7.	7.5	83
6	Advances in targeting the WNT/ $\beta$ -catenin signaling pathway in cancer. <i>Drug Discovery Today</i> , 2022, 27, 82-101.	6.4	44
7	Differential modulation of cellular antioxidant status in zebrafish liver and kidney exposed to low dose arsenic trioxide. <i>Ecotoxicology and Environmental Safety</i> , 2017, 135, 173-182.	6.0	41
8	&lt;em&gt;Mentha arvensis&lt;/em&gt; (Linn.)-mediated green silver nanoparticles trigger caspase 9-dependent cell death in MCF7 and MDA-MB-231 cells. <i>Breast Cancer: Targets and Therapy</i> , 2017, Volume 9, 265-278.	1.8	38
9	Arsenic trioxide and lead acetate induce apoptosis in adult rat hepatic stem cells. <i>Cell Biology and Toxicology</i> , 2009, 25, 403-413.	5.3	34
10	Ovarian damage to <i>Channa punctatus</i> after chronic exposure to low concentrations of elsan, mercury, and ammonia. <i>Ecotoxicology and Environmental Safety</i> , 1989, 17, 247-257.	6.0	33
11	Low concentration of arsenic could induce caspase-3 mediated head kidney macrophage apoptosis with JNK&lt;sup&gt;p38&lt;/sup&gt; activation in <i>Clarias batrachus</i> . <i>Toxicology and Applied Pharmacology</i> , 2009, 241, 329-338.	2.8	32
12	Silver Nanoparticles as Antibacterial and Anticancer Materials Against Human Breast, Cervical and Oral Cancer Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 968-976.	0.9	31
13	Target and non-target effects of anticholinesterase pesticides in fish. <i>Science of the Total Environment</i> , 1993, 134, 859-866.	8.0	29
14	Inorganic mercury binding to fish oocyte plasma membrane induces steroidogenesis and translatable messenger RNA synthesis. <i>BioMetals</i> , 1997, 10, 285-290.	4.1	29
15	Low concentration of mercury induces autophagic cell death in rat hepatocytes. <i>Toxicology and Industrial Health</i> , 2014, 30, 611-620.	1.4	23
16	Cytotoxic effect of green synthesized silver nanoparticles in MCF7 and MDA-MB-231 human breast cancer cells in vitro. <i>Nucleus (India)</i> , 2020, 63, 191-202.	2.2	23
17	Specific binding of inorganic mercury to Na(+)-K(+)-ATPase in rat liver plasma membrane and signal transduction. <i>BioMetals</i> , 1997, 10, 157-162.	4.1	22
18	Purification and Characterization of Extracellular Protease and Amylase Produced by the Bacterial Strain, <i>Corynebacterium alkanolyticum</i> ATH3 Isolated from Fish Gut. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 9-16.	1.1	21

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19	<i>In Vivo</i> Effect of Arsenic Trioxide on Keap1-p62-Nrf2 Signaling Pathway in Mouse Liver: Expression of Antioxidant Responsive Element-Driven Genes Related to Glutathione Metabolism. <i>ISRN Hepatology</i> , 2013, 2013, 1-13.	0.9	18
20	Non lethal concentrations of pesticide impair ovarian function in the freshwater perch, <i>Anabas testudineus</i> . <i>Environmental Biology of Fishes</i> , 1993, 36, 319-324.	1.0	16
21	Arsenic trioxide induced indirect and direct inhibition of glutathione reductase leads to apoptosis in rat hepatocytes. <i>BioMetals</i> , 2014, 27, 483-494.	4.1	12
22	Cytotoxic effect of graphene oxide-functionalized gold nanoparticles in human breast cancer cell lines. <i>Nucleus (India)</i> , 2019, 62, 243-250.	2.2	11
23	Differential <i>in vivo</i> genotoxicity of arsenic trioxide in glutathione depleted mouse bone marrow cells: expressions of Nrf2/Keap1/P62. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 223-228.	2.7	8
24	Regulation of autophagy in rat hepatocytes treated <i>in vitro</i> with low concentration of mercury. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 504-504.	1.2	7
25	Low concentration of HgCl <sub>2</sub> drives rat hepatocytes to autophagy/apoptosis/necroptosis in a time-dependent manner. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1192-1207.	1.2	6
26	Chitosan-gold nanoparticles trigger apoptosis in human breast cancer cells <i>in vitro</i> . <i>Nucleus (India)</i> , 2021, 64, 79-92.	2.2	6
27	Endocrine Disruptors in Freshwater: Impact on Teleost Reproduction. <i>Proceedings of the Zoological Society</i> , 2021, 74, 369-377.	1.0	4
28	Interplay of Loss of ERK Dependence and Amplification of Apoptotic Signals in Arsenic Treated Rat Hepatocytes. <i>The National Academy of Sciences, India</i> , 2013, 36, 599-602.	1.3	3
29	Mercuric chloride effects on adult rat oval cells-induced apoptosis. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1722-1738.	1.2	2
30	Vector-free <i>in vivo</i> trans-determination of adult hepatic stem cells to insulin-producing cells. <i>Molecular Biology Reports</i> , 2019, 46, 5501-5509.	2.3	2
31	Bacopasaponins with cytotoxic activity against human breast cancer cells <i>in vitro</i> . <i>Molecular Biology Reports</i> , 2021, 48, 2497-2505.	2.3	2
32	The Role of mTOR, Autophagy, Apoptosis, and Oxidative Stress During Toxic Metal Injury. , 2016, , 69-81.		1