## Ansuman Chattopadhyay

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/509179/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Nrf2–ARE signaling in cellular protection: Mechanism of action and the regulatory mechanisms. Journal of Cellular Physiology, 2020, 235, 3119-3130.	4.1	246
2	Fluoride-induced histopathology and synthesis of stress protein in liver and kidney of mice. Archives of Toxicology, 2011, 85, 327-335.	4.2	136
3	Low dose of arsenic trioxide triggers oxidative stress in zebrafish brain: Expression of antioxidant genes. Ecotoxicology and Environmental Safety, 2014, 107, 1-8.	6.0	131
4	Induction of Oxidative Stress and Related Transcriptional Effects of Sodium Fluoride in Female Zebrafish Liver. Bulletin of Environmental Contamination and Toxicology, 2014, 93, 64-70.	2.7	62
5	Lysine triggered ratiometric conversion of dynamic to static excimer of a pyrene derivative: aggregation-induced emission, nanomolar detection and human breast cancer cell (MCF7) imaging. Chemical Communications, 2015, 51, 11455-11458.	4.1	54
6	Environmentally relevant concentration of chromium activates Nrf2 and alters transcription of related XME genes in liver of zebrafish. Chemosphere, 2019, 214, 35-46.	8.2	54
7	Ratiometric sensing of lysine through the formation of the pyrene excimer: experimental and computational studies. Chemical Communications, 2015, 51, 8536-8539.	4.1	46
8	Environmentally relevant concentration of chromium induces nuclear deformities in erythrocytes and alters the expression of stress-responsive and apoptotic genes in brain of adult zebrafish. Science of the Total Environment, 2020, 703, 135622.	8.0	44
9	Mixture effect of arsenic and fluoride at environmentally relevant concentrations in zebrafish (Danio rerio) liver: Expression pattern of Nrf2 and related xenobiotic metabolizing enzymes. Aquatic Toxicology, 2019, 213, 105219.	4.0	42
10	Sodium fluoride affects zebrafish behaviour and alters mRNA expressions of biomarker genes in the brain: Role of Nrf2/Keap1. Environmental Toxicology and Pharmacology, 2015, 40, 352-359.	4.0	41
11	Differential modulation of cellular antioxidant status in zebrafish liver and kidney exposed to low dose arsenic trioxide. Ecotoxicology and Environmental Safety, 2017, 135, 173-182.	6.0	41
12	<em>Mentha arvensis</em> (Linn.)-mediated green silver nanoparticles trigger caspase 9-dependent cell death in MCF7 and MDA-MB-231 cells. Breast Cancer: Targets and Therapy, 2017, Volume 9, 265-278.	1.8	38
13	Sodium fluoride generates ROS and alters transcription of genes for xenobiotic metabolizing enzymes in adult zebrafish ( <i>Danio rerio</i> ) liver: expression pattern of Nrf2/Keap1 (INrf2). Toxicology Mechanisms and Methods, 2015, 25, 364-373.	2.7	37
14	Understanding of Genetic Information in Higher Secondary Students in Northeast India and the Implications for Genetics Education. CBE: Life Sciences Education, 2005, 4, 97-104.	0.7	36
15	A single probe for sensing both acetate and aluminum( <scp>iii</scp> ): visible region detection, red fluorescence and human breast cancer cell imaging. RSC Advances, 2015, 5, 24194-24199.	3.6	33
16	Silver Nanoparticles as Antibacterial and Anticancer Materials Against Human Breast, Cervical and Oral Cancer Cells. Journal of Nanoscience and Nanotechnology, 2017, 17, 968-976.	0.9	31
17	Environmental exposure of arsenic and fluoride and their combined toxicity: A recent update. Journal of Applied Toxicology, 2020, 40, 552-566.	2.8	31
18	Combined effect of arsenic and fluoride at environmentally relevant concentrations in zebrafish (Danio rerio) brain: Alterations in stress marker and apoptotic gene expression. Chemosphere, 2021, 269, 128678	8.2	29

#	Article	IF	CITATIONS
19	Visible light excitable ON fluorescence and naked eye detection of Cu2+via hydrolysis of rhodamine–thiophene conjugate: human breast cancer cell (MCF7) imaging studies. Dalton Transactions, 2014, 43, 7747.	3.3	28
20	Biological Activity of Endophytic Fungi of Rauwolfia serpentina Benth: An Ethnomedicinal Plant Used in Folk Medicines in Northeast India. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 233-240.	1.0	26
21	Cytotoxic effect of green synthesized silver nanoparticles in MCF7 and MDA-MB-231 human breast cancer cells in vitro. Nucleus (India), 2020, 63, 191-202.	2.2	23
22	Fluorideâ€induced genotoxicity in mouse bone marrow cells: effect of buthionine sulfoximine and <i>N</i> â€acetyl― <scp>l</scp> ysteine. Journal of Applied Toxicology, 2011, 31, 618-625.	2.8	19
23	<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. ISRN Hepatology, 2013, 2013, 1-13.	0.9	18
24	Structurally Characterized Zn2+ Selective Ratiometric Fluorescence Probe in 100Â% Water for HeLa Cell Imaging: Experimental and Computational Studies. Journal of Fluorescence, 2016, 26, 87-103.	2.5	16
25	Selective reduction technique (SRT): A robust method to synthesize bioactive Ag/Au doped Graphene Oxide. Materials and Design, 2016, 102, 186-195.	7.0	14
26	Reduction in fluorideâ€induced genotoxicity in mouse bone marrow cells after substituting high fluorideâ€containing water with safe drinking water. Journal of Applied Toxicology, 2011, 31, 703-705.	2.8	13
27	Structurally Characterized Antipyrine-Based Dual Fluorescent Probe: Enhanced AllIISelectivity of a Dinuclear ZnIIComplex for Intracellular Sensing by a Displacement Approach. European Journal of Inorganic Chemistry, 2014, 2014, 5675-5682.	2.0	13
28	Single crystal X-ray structurally characterized palladium(II) selective fluorescence and colorimetric indicator for human breast cancer cell imaging. Inorganica Chimica Acta, 2015, 436, 52-56.	2.4	12
29	Cytotoxic effect of graphene oxide-functionalized gold nanoparticles in human breast cancer cell lines. Nucleus (India), 2019, 62, 243-250.	2.2	11
30	Chronic exposure to environmentally relevant concentration of fluoride alters Ogg1 and Rad51 expressions in mice: Involvement of epigenetic regulation. Ecotoxicology and Environmental Safety, 2020, 202, 110962.	6.0	11
31	Shinorine ameliorates chromium induced toxicity in zebrafish hepatocytes through the facultative activation of Nrf2-Keap1-ARE pathway. Aquatic Toxicology, 2020, 228, 105622.	4.0	10
32	Calcium and Vitamin D Supplementation Effectively Alleviates Dental and Skeletal Fluorosis and Retain Elemental Homeostasis in Mice. Biological Trace Element Research, 2021, 199, 3035-3044.	3.5	10
33	Incidence of Fluorosis and Urinary Fluoride Concentration are not Always Positively Correlated with Drinking Water Fluoride Level. Current Science, 2019, 116, 1551.	0.8	10
34	A review on fluoride induced organotoxicity and genotoxicity in mammals and zebrafish. Nucleus (India), 2019, 62, 177-185.	2.2	9
35	Insights into the phenomenon of acquisition and accumulation of Fe3+ in Hygrophila spinosa through fluorimetry and fluorescence images. Tetrahedron Letters, 2020, 61, 151520.	1.4	9
36	Synthesis of silver nanoparticles using underutilized fruit Baccaurea ramiflora (Latka) juice and its biological and cytotoxic efficacy against MCF-7 and MDA-MB 231 cancer cell lines. South African Journal of Botany, 2022, 145, 228-235.	2.5	9

#	Article	IF	CITATIONS
37	Differential <i>in vivo</i> genotoxicity of arsenic trioxide in glutathione depleted mouse bone marrow cells: expressions of Nrf2/Keap1/P62. Toxicology Mechanisms and Methods, 2015, 25, 223-228.	2.7	8
38	Cytotoxic and mutagenic effects of green silver nanoparticles in cancer and normal cells: a brief review. Nucleus (India), 2019, 62, 277-285.	2.2	8
39	Cytotoxic and Mutagenic Effects of <i>Thuja occidentalis</i> Mediated Silver Nanoparticles on Human Peripheral Blood Lymphocytes. Materials Focus, 2017, 6, 290-296.	0.4	8
40	Environmentally Relevant Hexavalent Chromium Disrupts Elemental Homeostasis and Induces Apoptosis in Zebrafish Liver. Bulletin of Environmental Contamination and Toxicology, 2022, 108, 716-724.	2.7	8
41	Regulation of autophagy in rat hepatocytes treated <i>in vitro</i> with low concentration of mercury. Toxicological and Environmental Chemistry, 2013, 95, 504-504.	1.2	7
42	Rhodamine derived colorimetric and fluorescence mercury( <scp>ii</scp> ) chemodosimeter for human breast cancer cell (MCF7) imaging. RSC Advances, 2015, 5, 21797-21802.	3.6	7
43	Molecular diversity in several pyridyl based Cu(ii) complexes: biophysical interaction and redox triggered fluorescence switch. New Journal of Chemistry, 2016, 40, 10378-10388.	2.8	7
44	Introduction of a luminescent sensor for tracking trace levels of hydrazine in insect pollinated cropland flowers. New Journal of Chemistry, 2021, 45, 17095-17100.	2.8	7
45	Easy and rapid chemosensing method for the identification of accumulated tin in algae: a strategy to protect a marine eco-system. New Journal of Chemistry, 2022, 46, 4233-4238.	2.8	7
46	Low concentration of HgCl2drives rat hepatocytes to autophagy/apoptosis/necroptosis in a time-dependent manner. Toxicological and Environmental Chemistry, 2013, 95, 1192-1207.	1.2	6
47	Punica granatum fabricated platinum nanoparticles: A therapeutic pill for breast cancer. AIP Conference Proceedings, 2018, , .	0.4	6
48	Chitosan-gold nanoparticles trigger apoptosis in human breast cancer cells in vitro. Nucleus (India), 2021, 64, 79-92.	2.2	6
49	Expression Pattern of Myogenic Regulatory Transcription Factor mRNAs in the Embryo and Adult <i>Labeo rohita</i> (Hamilton, 1822). International Journal of Zoology, 2014, 2014, 1-9.	0.8	4
50	Involvement of a unique chemodosimeter in the selective estimation of noxious cyanide in common water hyacinth ( <i>Eichhornia crassipes</i> ): an environmental refinement. Environmental Sciences: Processes and Impacts, 2021, 23, 1308-1315.	3.5	4
51	Reliable fluorescence technique to detect the antibiotic colistin, a possible environmental threat due to its overuse. Scientific Reports, 2022, 12, .	3.3	3
52	Mercuric chloride effects on adult rat oval cells-induced apoptosis. Toxicological and Environmental Chemistry, 2013, 95, 1722-1738.	1.2	2
53	Bacopasaponins with cytotoxic activity against human breast cancer cells in vitro. Molecular Biology Reports, 2021, 48, 2497-2505.	2.3	2
54	Environmentally relevant fluoride alters nuclear integrity in erythrocytes and induces DNA damage in hepatocytes of zebrafish. Nucleus (India), 2023, 66, 1-9.	2.2	2