

Ansuman Chattopadhyay

List of Publications by Year in descending order

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54
papers

1,495
citations

361045

20
h-index

344852

36
g-index

55
all docs

55
docs citations

55
times ranked

1865
citing authors

#	ARTICLE	IF	CITATIONS
1	Nrf2â€‘ARE signaling in cellular protection: Mechanism of action and the regulatory mechanisms. <i>Journal of Cellular Physiology</i> , 2020, 235, 3119-3130.	2.0	246
2	Fluoride-induced histopathology and synthesis of stress protein in liver and kidney of mice. <i>Archives of Toxicology</i> , 2011, 85, 327-335.	1.9	136
3	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.	2.9	131
4	Induction of Oxidative Stress and Related Transcriptional Effects of Sodium Fluoride in Female Zebrafish Liver. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 64-70.	1.3	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. <i>Chemical Communications</i> , 2015, 51, 11455-11458.	2.2	54
6	Environmentally relevant concentration of chromium activates Nrf2 and alters transcription of related XME genes in liver of zebrafish. <i>Chemosphere</i> , 2019, 214, 35-46.	4.2	54
7	Ratiometric sensing of lysine through the formation of the pyrene excimer: experimental and computational studies. <i>Chemical Communications</i> , 2015, 51, 8536-8539.	2.2	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. <i>Science of the Total Environment</i> , 2020, 703, 135622.	3.9	44
9	Mixture effect of arsenic and fluoride at environmentally relevant concentrations in zebrafish (<i>Danio rerio</i>) liver: Expression pattern of Nrf2 and related xenobiotic metabolizing enzymes. <i>Aquatic Toxicology</i> , 2019, 213, 105219.	1.9	42
10	Sodium fluoride affects zebrafish behaviour and alters mRNA expressions of biomarker genes in the brain: Role of Nrf2/Keap1. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 352-359.	2.0	41
11	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.	2.9	41
12	Mentha arvensis&/em> (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.	1.0	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). <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 364-373.	1.3	37
14	Understanding of Genetic Information in Higher Secondary Students in Northeast India and the Implications for Genetics Education. <i>CBE: Life Sciences Education</i> , 2005, 4, 97-104.	0.7	36
15	A single probe for sensing both acetate and aluminum(III): visible region detection, red fluorescence and human breast cancer cell imaging. <i>RSC Advances</i> , 2015, 5, 24194-24199.	1.7	33
16	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
17	Environmental exposure of arsenic and fluoride and their combined toxicity: A recent update. <i>Journal of Applied Toxicology</i> , 2020, 40, 552-566.	1.4	31
18	Combined effect of arsenic and fluoride at environmentally relevant concentrations in zebrafish (<i>Danio rerio</i>) brain: Alterations in stress marker and apoptotic gene expression. <i>Chemosphere</i> , 2021, 269, 128678.	4.2	29

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19	Visible light excitable ON fluorescence and naked eye detection of Cu ²⁺ via hydrolysis of rhodamine- <i>thiophene</i> conjugate: human breast cancer cell (MCF7) imaging studies. Dalton Transactions, 2014, 43, 7747.	1.6	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.	0.4	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.	0.9	23
22	Fluoride-induced genotoxicity in mouse bone marrow cells: effect of buthionine sulfoximine and <i>N</i> -acetyl-L-cysteine. Journal of Applied Toxicology, 2011, 31, 618-625.	1.4	19
23	<i>In Vivo</i> Effect of Arsenic Trioxide on Keap1-p62-Nrf2 Signaling Pathway in Mouse Liver: Expression of Antioxidant Element-Driven Genes Related to Glutathione Metabolism. ISRN Hepatology, 2013, 2013, 1-13.	0.9	18
24	Structurally Characterized Zn ²⁺ Selective Ratiometric Fluorescence Probe in 100% Water for HeLa Cell Imaging: Experimental and Computational Studies. Journal of Fluorescence, 2016, 26, 87-103.	1.3	16
25	Selective reduction technique (SRT): A robust method to synthesize bioactive Ag/Au doped Graphene Oxide. Materials and Design, 2016, 102, 186-195.	3.3	14
26	Reduction in fluoride-induced genotoxicity in mouse bone marrow cells after substituting high fluoride-containing water with safe drinking water. Journal of Applied Toxicology, 2011, 31, 703-705.	1.4	13
27	Structurally Characterized Antipyrine-Based Dual Fluorescent Probe: Enhanced Selectivity of a Dinuclear ZnII Complex for Intracellular Sensing by a Displacement Approach. European Journal of Inorganic Chemistry, 2014, 2014, 5675-5682.	1.0	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.	1.2	12
29	Cytotoxic effect of graphene oxide-functionalized gold nanoparticles in human breast cancer cell lines. Nucleus (India), 2019, 62, 243-250.	0.9	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.	2.9	11
31	Shinorine ameliorates chromium induced toxicity in zebrafish hepatocytes through the facultative activation of Nrf2-Keap1-ARE pathway. Aquatic Toxicology, 2020, 228, 105622.	1.9	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.	1.9	10
33	Incidence of Fluorosis and Urinary Fluoride Concentration are not Always Positively Correlated with Drinking Water Fluoride Level. Current Science, 2019, 116, 1551.	0.4	10
34	A review on fluoride induced organotoxicity and genotoxicity in mammals and zebrafish. Nucleus (India), 2019, 62, 177-185.	0.9	9
35	Insights into the phenomenon of acquisition and accumulation of Fe ³⁺ in Hygrophila spinosa through fluorimetry and fluorescence images. Tetrahedron Letters, 2020, 61, 151520.	0.7	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.	1.2	9

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37	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.	1.3	8
38	Cytotoxic and mutagenic effects of green silver nanoparticles in cancer and normal cells: a brief review. <i>Nucleus (India)</i> , 2019, 62, 277-285.	0.9	8
39	Cytotoxic and Mutagenic Effects of <i>Thuja occidentalis</i> Mediated Silver Nanoparticles on Human Peripheral Blood Lymphocytes. <i>Materials Focus</i> , 2017, 6, 290-296.	0.4	8
40	Environmentally Relevant Hexavalent Chromium Disrupts Elemental Homeostasis and Induces Apoptosis in Zebrafish Liver. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 716-724.	1.3	8
41	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.	0.6	7
42	Rhodamine derived colorimetric and fluorescence mercury(^{II}) chemodosimeter for human breast cancer cell (MCF7) imaging. <i>RSC Advances</i> , 2015, 5, 21797-21802.	1.7	7
43	Molecular diversity in several pyridyl based Cu(II) complexes: biophysical interaction and redox triggered fluorescence switch. <i>New Journal of Chemistry</i> , 2016, 40, 10378-10388.	1.4	7
44	Introduction of a luminescent sensor for tracking trace levels of hydrazine in insect pollinated cropland flowers. <i>New Journal of Chemistry</i> , 2021, 45, 17095-17100.	1.4	7
45	Easy and rapid chemosensing method for the identification of accumulated tin in algae: a strategy to protect a marine eco-system. <i>New Journal of Chemistry</i> , 2022, 46, 4233-4238.	1.4	7
46	Low concentration of HgCl ₂ drives rat hepatocytes to autophagy/apoptosis/necroptosis in a time-dependent manner. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1192-1207.	0.6	6
47	Punica granatum fabricated platinum nanoparticles: A therapeutic pill for breast cancer. <i>AIP Conference Proceedings</i> , 2018, . .	0.3	6
48	Chitosan-gold nanoparticles trigger apoptosis in human breast cancer cells <i>in vitro</i> . <i>Nucleus (India)</i> , 2021, 64, 79-92.	0.9	6
49	Expression Pattern of Myogenic Regulatory Transcription Factor mRNAs in the Embryo and Adult <i>Labeo rohita</i> (Hamilton, 1822). <i>International Journal of Zoology</i> , 2014, 2014, 1-9.	0.3	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. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1308-1315.	1.7	4
51	Reliable fluorescence technique to detect the antibiotic colistin, a possible environmental threat due to its overuse. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
52	Mercuric chloride effects on adult rat oval cells-induced apoptosis. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 1722-1738.	0.6	2
53	Bacopasaponins with cytotoxic activity against human breast cancer cells <i>in vitro</i> . <i>Molecular Biology Reports</i> , 2021, 48, 2497-2505.	1.0	2
54	Environmentally relevant fluoride alters nuclear integrity in erythrocytes and induces DNA damage in hepatocytes of zebrafish. <i>Nucleus (India)</i> , 2023, 66, 1-9.	0.9	2