

Biswaranjan Paital

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,991
citations

304602

22
h-index

276775

41
g-index

71
all docs

71
docs citations

71
times ranked

2071
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in physicochemical, heavy metals and air quality linked to spot <i>Aplocheilus panchax</i> along Mahanadi industrial belt of India under COVID-19-induced lockdowns. <i>Environmental Geochemistry and Health</i> , 2023, 45, 751-770.	1.8	4
2	Promoter sequence interaction and structure based multi-targeted (redox regulatory genes) molecular docking analysis of vitamin E and curcumin in T4 induced oxidative stress model using H9C2 cardiac cell line. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 12316-12335.	2.0	5
3	Spike in pollution to ignite the bursting of COVID-19 second wave is more dangerous than spike of SAR-CoV-2 under environmental ignorance in long term: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 85595-85611.	2.7	9
4	Role of environmental factors in transmission of COVID-19. , 2022, , 35-72.		0
5	Socio-economic impact of COVID-19. , 2022, , 153-190.		18
6	Combinatorial approach of vitamin C derivative and anti-HIV drug-darunavir against SARS-CoV-2. <i>Frontiers in Bioscience</i> , 2022, 27, 1.	0.8	8
7	Human health care against COVID-19 via environmental management. , 2022, 2, 142-149.		2
8	Dehydration induced hypoxia and its role on mitochondrial respiratory enzymes and oxidative stress responses in liver of Asian stinging catfish <i>Heteropneustes fossilis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 256, 109300.	1.3	4
9	Sensing and 3D printing technologies in personalized healthcare for the management of health crises including the COVID-19 outbreak. <i>Sensors International</i> , 2022, 3, 100180.	4.9	11
10	Air pollution by NO ₂ and PM _{2.5} explains COVID-19 infection severity by overexpression of angiotensin-converting enzyme 2 in respiratory cells: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 25-42.	8.3	136
11	Management of environmental health to prevent an outbreak of COVID-19. , 2021, , 235-267.		9
12	Positive environmental effects of the coronavirus 2020 episode: a review. <i>Environment, Development and Sustainability</i> , 2021, 23, 12738-12760.	2.7	61
13	Heavy metal and organic load in Haripur creek of Gopalpur along the Bay of Bengal, east coast of India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 28275-28288.	2.7	9
14	Modulation of physiological oxidative stress and antioxidant status by abiotic factors especially salinity in aquatic organisms. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 241, 108971.	1.3	53
15	Future call for policy making to speed up interdisciplinarity between natural and social sciences and humanities in countries such as India. <i>Heliyon</i> , 2021, 7, e06484.	1.4	11
16	Temporal morphometric analyses of <i>Pila globosa</i> in India for its use in aquaculture and food industry. <i>Journal of Basic and Applied Zoology</i> , 2021, 82, .	0.4	16
17	Control of invasive Apple snails and their use as pollutant ecotoxic indicators: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 4627-4653.	8.3	15
18	Wastewater Based Epidemiology Perspective as a Faster Protocol for Detecting Coronavirus RNA in Human Populations: A Review with Specific Reference to SARS-CoV-2 Virus. <i>Pathogens</i> , 2021, 10, 1008.	1.2	30

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19	Low salinity induced challenges in the hardy fish <i>Heteropneustes fossilis</i> ; future prospective of aquaculture in near coastal zones. <i>Aquaculture</i> , 2021, 543, 737007.	1.7	14
20	Approaches for network based drug discovery. <i>Frontiers in Bioscience - Scholar</i> , 2021, 13, 30.	0.8	2
21	A detailed review of the outbreak of COVID-19. <i>Frontiers in Bioscience - Landmark</i> , 2021, 26, 149.	3.0	26
22	Soil Type as One of the Major Contributing Factors for Top Ten Agri-Producing States of India. <i>Journal of Biomedical Research & Environmental Sciences</i> , 2021, 2, 790-811.	0.1	0
23	COVID-19 Outbreak Challenges in Indian Migrant Pregnant and Lactating Mothers: Learnt Lesson Demands Phronesis and Hierarchical Strategies for Such Future Pandemics. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1353, 151-171.	0.8	3
24	Outbreak of COVID-19: A Detailed Overview and Its Consequences. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1353, 23-45.	0.8	23
25	Pathways in small cell lung cancer and its therapeutic perspectives. <i>Frontiers in Bioscience</i> , 2021, 26, 1668-1678.	0.8	5
26	A discrete Cu ₂ (Pd-bpy) ₂ L ₂ heterometallic compound with superoxide dismutase enzyme like activity. <i>Dalton Transactions</i> , 2020, 49, 8850-8854.	1.6	4
27	CQD@ ³ -Fe ₂ O ₃ multifunctional nanoprobe for selective fluorescence sensing, detoxification and removal of Hg(II). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 589, 124445.	2.3	11
28	Nurture to nature via COVID-19, a self-regenerating environmental strategy of environment in global context. <i>Science of the Total Environment</i> , 2020, 729, 139088.	3.9	144
29	Inter nation social lockdown versus medical care against COVID-19, a mild environmental insight with special reference to India. <i>Science of the Total Environment</i> , 2020, 728, 138914.	3.9	179
30	An insight into molecular interaction of PGIP with PG for banana cultivar. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 335-362.	3.0	5
31	Epigenetic alterations in cancer. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1058-1109.	3.0	101
32	Social lockdown and ecological intervention for the prevention of the community spread of COVID-19. <i>Cancer Research Statistics and Treatment</i> , 2020, 3, 667.	0.1	15
33	First week of social lockdown versus medical care against COVID-19 - with special reference to India. <i>Current Trends in Biotechnology and Pharmacy</i> , 2020, 14, 196-216.	0.3	17
34	Antioxidants for human health. , 2020, , 22-26.		0
35	Possible activation of NRF2 by Vitamin E/Curcumin against altered thyroid hormone induced oxidative stress via NF κ B/AKT/mTOR/KEAP1 signalling in rat heart. <i>Scientific Reports</i> , 2019, 9, 7408.	1.6	66
36	Twenty years of the "Preparation for Oxidative Stress" (POS) theory: Ecophysiological advantages and molecular strategies. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 234, 36-49.	0.8	88

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37	Ecotoxic impact assessment of graphene oxide on lipid peroxidation at mitochondrial level and redox modulation in fresh water fish <i>Anabas testudineus</i> . <i>Chemosphere</i> , 2019, 224, 796-804.	4.2	45
38	microRNAs Epigenetic players in cancer and aging. <i>Frontiers in Bioscience - Scholar</i> , 2019, 11, 29-55.	0.8	20
39	Daily Dietary Nutrition and Nutraceutical Intake in Agricultural Laborers of Hiraikud Command Area, Sambalpur, Odisha, India. <i>Journal of Drug Delivery and Therapeutics</i> , 2019, 9, 56-61.	0.2	4
40	Removing small non-enzymatic molecules for biochemical assay of redox regulatory enzymes; An exemplary comments on "Antioxidant responses in gills and digestive gland of oyster <i>Crassostrea madrasensis</i> (Preston) under lead exposure.. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 337-340.	2.9	11
41	Right Potency Matters: A Case Report of Homoeopathic Treatment of <i>Verruca Palmaris</i> . <i>Homopathic Links</i> , 2018, 31, 204-208.	0.1	3
42	Nutraceutical values of fish demand their ecological genetic studies: a short review. <i>Journal of Basic and Applied Zoology</i> , 2018, 79, .	0.4	8
43	Successful treatment of ureteric calculi with constitutional homoeopathic medicine <i>Lycopodium clavatum</i> : A Case report. <i>Journal of Drug Delivery and Therapeutics</i> , 2018, 8, 1-7.	0.2	5
44	Combined Effects of Constitutional and Organopathic Homeopathic Medicines for Better Improvement of Benign Prostatic Hyperplasia Cases. <i>International Journal of Clinical & Medical Imaging</i> , 2017, 04, .	0.1	2
45	Longevity of animals under reactive oxygen species stress and disease susceptibility due to global warming. <i>World Journal of Biological Chemistry</i> , 2016, 7, 110.	1.7	60
46	An Overview of Seasonal Changes in Oxidative Stress and Antioxidant Defence Parameters in Some Invertebrate and Vertebrate Species. <i>Scientifica</i> , 2016, 2016, 1-8.	0.6	88
47	Effects of seasonal variation on oxidative stress physiology in natural population of toad <i>Bufo melanostictus</i> ; clues for analysis of environmental pollution. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22819-22831.	2.7	15
48	AgNO ₃ dependant modulation of glucose mediated respiration kinetics in <i>Escherichia coli</i> at different pH and temperature. <i>Journal of Molecular Recognition</i> , 2016, 29, 544-554.	1.1	6
49	Investigating the Conformational Structure and Potential Site Interactions of SOD Inhibitors on Ec-SOD in Marine Mud Crab <i>Scylla serrata</i> : A Molecular Modeling Approach. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2016, 8, 312-318.	2.2	9
50	Mass Spectrophotometry: An Advanced Technique in Biomedical Sciences. <i>Advanced Techniques in Biology & Medicine</i> , 2015, 4, .	0.1	4
51	Over Generalized Discussion of Results and Poor Use of the Terminology in Science. <i>Bioenergetics: Open Access</i> , 2015, 04, .	0.1	0
52	Biochemical and Environmental Insights of Declining Vulture Population in Some South Asian Countries: Role of Diclofenac. <i>Pharmaceutica Analytica Acta</i> , 2015, 6, .	0.2	0
53	A Modified Fluorimetric Method for Determination of Hydrogen Peroxide Using Homovanillic Acid Oxidation Principle. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	23
54	Modulation of redox regulatory molecules and electron transport chain activity in muscle of air breathing fish <i>Heteropneustes fossilis</i> under air exposure stress. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 65-76.	0.7	29

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55	Effects of temperature on complexes I and II mediated respiration, ROS generation and oxidative stress status in isolated gill mitochondria of the mud crab <i>Scylla serrata</i> . <i>Journal of Thermal Biology</i> , 2014, 41, 104-111.	1.1	55
56	Re: Editorial Comment on Constitutional, Organopathic and Combined Homeopathic Treatment of Benign Prostatic Hypertrophy: A Clinical Trial. <i>Journal of Urology</i> , 2014, 192, 1000-1001.	0.2	4
57	Seasonal variability of antioxidant biomarkers in mud crabs (<i>Scylla serrata</i>). <i>Ecotoxicology and Environmental Safety</i> , 2013, 87, 33-41.	2.9	67
58	Antioxidant and oxidative stress parameters in brain of <i>Heteropneustes fossilis</i> under air exposure condition; role of mitochondrial electron transport chain. <i>Ecotoxicology and Environmental Safety</i> , 2013, 95, 69-77.	2.9	49
59	Modulation of expression of SOD isoenzymes in mud crab (<i>Scylla serrata</i>): effects of inhibitors, salinity and season. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 195-204.	2.5	32
60	In silico prediction of 3D structure of Mn superoxide dismutase of <i>Scylla serrata</i> and its binding properties with inhibitors. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2013, 5, 69-76.	2.2	17
61	A comparative study of hepatic mitochondrial oxygen consumption in four vertebrates by using Clark-type electrode. <i>Acta Biologica Hungarica</i> , 2013, 64, 152-160.	0.7	8
62	Effects of salinity on O ₂ consumption, ROS generation and oxidative stress status of gill mitochondria of the mud crab <i>Scylla serrata</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 228-237.	1.3	40
63	Constitutional, organopathic and combined homeopathic treatment of benign prostatic hypertrophy: a clinical trial. <i>Homeopathy</i> , 2012, 101, 217-223.	0.5	14
64	Biology and conservation of the genus <i>Scylla</i> in India subcontinent. <i>Journal of Environmental Biology</i> , 2012, 33, 871-9.	0.2	7
65	In silico prediction and characterization of 3D structure and binding properties of catalase from the commercially important crab, <i>Scylla serrata</i> . <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2011, 3, 110-120.	2.2	21
66	Antioxidant defenses and oxidative stress parameters in tissues of mud crab (<i>Scylla serrata</i>) with reference to changing salinity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 142-151.	1.3	114
67	Supplementation of curcumin and vitamin E enhances oxidative stress, but restores hepatic histoarchitecture in hypothyroid rats. <i>Life Sciences</i> , 2009, 84, 372-379.	2.0	50
68	Alleviation of enhanced oxidative stress and oxygen consumption of l-thyroxine induced hyperthyroid rat liver mitochondria by vitamin E and curcumin. <i>Chemico-Biological Interactions</i> , 2008, 173, 105-114.	1.7	76
69	Artificial superoxide dismutase for cosmetic therapy and industrial use. , 0, , .		0
70	Self-nurturing of nature via SARS-CoV-2. , 0, , .		1