

Bimal P Mohanty

List of Publications by Year in descending order

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55
papers

1,196
citations

361413

20
h-index

414414

32
g-index

56
all docs

56
docs citations

56
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry Fish and Its Contribution Towards Food and Nutritional Security. Food Reviews International, 2022, 38, 508-536.	8.4	19
2	Arsenic Bioaccumulation and Identification of Low-Arsenic-Accumulating Food Fishes for Aquaculture in Arsenic-Contaminated Ponds and Associated Aquatic Ecosystems. Biological Trace Element Research, 2022, 200, 2923-2936.	3.5	7
3	Stocking density matters in open water cage culture: Influence on growth, digestive enzymes, haemato-immuno and stress responses of <i>Puntius sarana</i> (Ham, 1822). Aquaculture, 2022, 547, 737445.	3.5	16
4	Proteomic Profiling and Pathway Analysis of Acid Stress-Induced Vasorelaxation of Mesenteric Arteries In Vitro. Genes, 2022, 13, 801.	2.4	0
5	Curcumin Has Protective Effect on the Eye Lens Against Arsenic Toxicity. Biological Trace Element Research, 2021, 199, 3354-3359.	3.5	5
6	Culture-dependent study of arsenic-reducing bacteria in deep aquatic sediments of Bengal Delta. Environmental Science and Pollution Research, 2021, 28, 57440-57448.	5.3	2
7	Exploration of heterotrophic bacterial diversity in sediments of the mud volcano in the Andaman and Nicobar Islands, India. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100465.	2.9	5
8	Proteomic and transcriptomic changes in rat liver following oral feeding of formaldehyde. Chemosphere, 2020, 245, 125599.	8.2	13
9	A comparative metabolomics study on anadromous clupeid <i>Tenualosa ilisha</i> for better understanding the influence of habitat on nutritional composition. Metabolomics, 2020, 16, 30.	3.0	9
10	Transcriptomic responses to pollution in natural riverine environment in <i>Rita rita</i> . Environmental Research, 2020, 186, 109508.	7.5	5
11	Clinico-epidemiological study of arsenicosis in arsenic endemic areas of West Bengal, India. Inland Fisheries Society of India Journal, 2020, 52, 068.	0.2	1
12	Nutrition, immunity and COVID-19 management. Inland Fisheries Society of India Journal, 2020, 52, 003.	0.2	0
13	Metal contaminations in sediment and associated ecological risk assessment of river Mahanadi, India. Environmental Monitoring and Assessment, 2020, 192, 810.	2.7	6
14	Impact assessment of barge trafficking on phytoplankton abundance and Chl a concentration, in River Ganga, India. PLoS ONE, 2019, 14, e0221451.	2.5	16
15	Heat stress-induced alterations in the expression of genes associated with gonadal integrity of the teleost <i>Puntius sophore</i> . Fish Physiology and Biochemistry, 2019, 45, 1409-1417.	2.3	15
16	Phytoplankton biomass in relation to flow dynamics: the case of a tropical river Mahanadi, India. Tropical Ecology, 2019, 60, 485-494.	1.2	11
17	Nutritional composition of food fishes and their importance in providing food and nutritional security. Food Chemistry, 2019, 293, 561-570.	8.2	148
18	Time series forecasting model for fisheries in Chilika lagoon (a Ramsar site, 1981), Odisha, India: a case study. Wetlands Ecology and Management, 2018, 26, 677-687.	1.5	10

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19	Heat Shock Proteins in Stress in Teleosts. Heat Shock Proteins, 2018, , 71-94.	0.2	27
20	Breeding and culture status of Hilsa (<i>Tenualosa ilisha</i> , Ham. 1822) in South Asia: a review. Reviews in Aquaculture, 2018, 10, 96-110.	9.0	33
21	Nutrigenomic studies on hilsa to evaluate flesh quality attributes and genes associated with fatty acid metabolism from the rivers Hooghly and Padma. Food Research International, 2018, 103, 21-29.	6.2	22
22	Expression patterns and mutation analysis of p53 in fish Rita rita from polluted riverine environment. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 832-833, 41-51.	1.7	10
23	Expression patterns of heat shock protein genes in Rita rita from natural riverine habitat as biomarker response against environmental pollution. Chemosphere, 2018, 211, 535-546.	8.2	18
24	Volatile compounds in hilsa (<i>Tenualosa ilisha</i> , Hamilton) as detected by static headspace gas chromatography and mass spectrometry. Journal of Food Processing and Preservation, 2017, 41, e13212.	2.0	11
25	Identification of potential biomarkers of hepatotoxicity by plasma proteome analysis of arsenic-exposed carp <i>Labeo rohita</i> . Journal of Hazardous Materials, 2017, 336, 71-80.	12.4	24
26	Dietary supplementation of curcumin augments heat stress tolerance through upregulation of nrf-2-mediated antioxidative enzymes and hsp in <i>Puntius sophore</i> . Fish Physiology and Biochemistry, 2017, 43, 1131-1141.	2.3	30
27	Modelling and Forecasting Marine Fish Production in Odisha Using Seasonal ARIMA Model. The National Academy of Sciences, India, 2017, 40, 393-397.	1.3	19
28	hsp90 and hsp47 appear to play an important role in minnow <i>Puntius sophore</i> for surviving in the hot spring run-off aquatic ecosystem. Fish Physiology and Biochemistry, 2017, 43, 89-102.	2.3	31
29	Suitable reference gene for quantitative real-time PCR analysis of gene expression in gonadal tissues of minnow <i>Puntius sophore</i> under high-temperature stress. BMC Genomics, 2017, 18, 617.	2.8	19
30	DHA and EPA Content and Fatty Acid Profile of 39 Food Fishes from India. BioMed Research International, 2016, 2016, 1-14.	1.9	63
31	Micronutrient Composition of 35 Food Fishes from India and Their Significance in Human Nutrition. Biological Trace Element Research, 2016, 174, 448-458.	3.5	47
32	Comparative studies on nutrient profiling of two deep sea fish (<i>Neopinnula orientalis</i> and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 To</i> Zoology, 2016, 77, 41-48.	0.9	11
33	Proteomic changes in the liver of <i>Channa striatus</i> in response to high temperature stress. Electrophoresis, 2016, 37, 1704-1717.	2.4	40
34	Evaluation of housekeeping genes as references for quantitative real-time PCR analysis of gene expression in the murrel <i>Channa striatus</i> under high-temperature stress. Fish Physiology and Biochemistry, 2016, 42, 125-135.	2.3	29
35	Immunomodulatory effect of arsenic on cytokine and HSP gene expression in <i>Labeo rohita</i> fingerlings. Fish and Shellfish Immunology, 2015, 44, 43-49.	3.6	52
36	Functional Screening and Molecular Characterization of Halophilic and Halotolerant Bacteria by 16S rRNA Gene Sequence Analysis. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 957-964.	1.0	6

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37	Proteomic profiling of white muscle from freshwater catfish <i>Rita rita</i> . <i>Fish Physiology and Biochemistry</i> , 2015, 41, 789-802.	2.3	11
38	Pathophysiological Changes in Rohu (<i>Labeo rohita</i> , Hamilton) Fingerlings Following Arsenic Exposure. <i>The National Academy of Sciences, India</i> , 2015, 38, 315-319.	1.3	6
39	Arsenic in freshwater ecosystems of the Bengal delta: status, sources and seasonal variability. <i>Toxicological and Environmental Chemistry</i> , 2015, 97, 538-551.	1.2	11
40	Vasorelaxation of goat mesenteric artery is mediated by endothelial Na ⁺ -K ⁺ -ATPase. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2015, 6, 204-210.	0.4	1
41	Investigating <i>hsp</i> Gene Expression in Liver of <i>Channa striatus</i> under Heat Stress for Understanding the Upper Thermal Acclimation. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	45
42	Amino Acid Compositions of 27 Food Fishes and Their Importance in Clinical Nutrition. <i>Journal of Amino Acids</i> , 2014, 2014, 1-7.	5.8	128
43	Nutrient Profile of Small Indigenous Fish <i>Puntius sophore</i> : Proximate Composition, Amino Acid, Fatty Acid and Micronutrient Profiles. <i>The National Academy of Sciences, India</i> , 2014, 37, 39-44.	1.3	21
44	Food Safety, Labeling Regulations and Fish Food Authentication. <i>The National Academy of Sciences, India</i> , 2013, 36, 253-258.	1.3	3
45	Lipid Biomarkers of Lens Aging. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 192-200.	2.9	21
46	Proteomic Analysis of Sarcoplasmic Peptides of Two Related Fish Species for Food Authentication. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1011-1021.	2.9	29
47	Muscle Proteomics of the Indian Major Carp <i>Catla (Catla catla, Hamilton)</i> . <i>Journal of Proteomics and Bioinformatics</i> , 2013, 06, .	0.4	7
48	Nutrient Profile of Giant River-Catfish <i>Sperata seenghala (Sykes)</i> . <i>The National Academy of Sciences, India</i> , 2012, 35, 155-161.	1.3	25
49	Fatty Acid Profile of Indian Shad <i>Tenualosa ilisha</i> Oil and its Dietary Significance. <i>The National Academy of Sciences, India</i> , 2012, 35, 263-269.	1.3	22
50	Maternal Fish Consumption and Prevention of Low Birth Weight in the Developing World. <i>The National Academy of Sciences, India</i> , 2012, 35, 433-438.	1.3	3
51	Effect of storage temperature as a preanalytical variable on the lens crystallins protein quality for proteomic studies. <i>Proteomics - Clinical Applications</i> , 2011, 5, 504-512.	1.6	5
52	Lens proteome map and alpha-crystallin profile of the catfish <i>Rita rita</i> . <i>Indian Journal of Biochemistry and Biophysics</i> , 2011, 48, 35-41.	0.0	5
53	Proteome analysis of the Atlantic salmon (<i>Salmo salar</i>) cell line SHK-1 following recombinant IFN- γ stimulation. <i>Proteomics</i> , 2007, 7, 2275-2286.	2.2	67
54	<i>Brugia malayi</i> Adult Low Molecular Weight IgG4-Reactive Antigens Induce Differential Cytokine Response in Lymphocytes of Endemic Normal and Asymptomatic Microfilariae Carriers In Vitro. <i>Journal of Clinical Immunology</i> , 2007, 27, 397-408.	3.8	5

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55	Nutrigenomics and fish. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	1.0	1