Bimal P Mohanty

List of Publications by Year
in descending order

55	1,196	361413 20	414414 32
papers	citations	h-index	g-index

56	56	56	1487
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nutritional composition of food fishes and their importance in providing food and nutritional security. Food Chemistry, 2019, 293, 561-570.	8.2	148
2	Amino Acid Compositions of 27 Food Fishes and Their Importance in Clinical Nutrition. Journal of Amino Acids, 2014, 2014, 1-7.	5.8	128
3	Proteome analysis of the Atlantic salmon (Salmo salar) cell line SHK-1 following recombinant IFN-Î³ stimulation. Proteomics, 2007, 7, 2275-2286.	2.2	67
4	DHA and EPA Content and Fatty Acid Profile of 39 Food Fishes from India. BioMed Research International, 2016, 2016, 1-14.	1.9	63
5	Immunomodulatory effect of arsenic on cytokine and HSP gene expression in Labeo rohita fingerlings. Fish and Shellfish Immunology, 2015, 44, 43-49.	3.6	52
6	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
7	InvestigatinghspGene Expression in Liver ofChanna striatusunder Heat Stress for Understanding the Upper Thermal Acclimation. BioMed Research International, 2014, 2014, 1-10.	1.9	45
8	Proteomic changes in the liver of Channa striatus in response to high temperature stress. Electrophoresis, 2016, 37, 1704-1717.	2.4	40
9	Breeding and culture status of Hilsa (TenualosaÂilisha, Ham. 1822) in South Asia: a review. Reviews in Aquaculture, 2018, 10, 96-110.	9.0	33
10	hsp90 and hsp47 appear to play an important role in minnow Puntius sophore for surviving in the hot spring run-off aquatic ecosystem. Fish Physiology and Biochemistry, 2017, 43, 89-102.	2.3	31
11	Dietary supplementation of curcumin augments heat stress tolerance through upregulation of nrf-2-mediated antioxidative enzymes and hsps in Puntius sophore. Fish Physiology and Biochemistry, 2017, 43, 1131-1141.	2.3	30
12	Proteomic Analysis of Sarcoplasmic Peptides of Two Related Fish Species for Food Authentication. Applied Biochemistry and Biotechnology, 2013, 171, 1011-1021.	2.9	29
13	Evaluation of housekeeping genes as references for quantitative real-time PCR analysis of gene expression in the murrel Channa striatus under high-temperature stress. Fish Physiology and Biochemistry, 2016, 42, 125-135.	2.3	29
14	Heat Shock Proteins in Stress in Teleosts. Heat Shock Proteins, 2018, , 71-94.	0.2	27
15	Nutrient Profile of Giant River-Catfish Sperata seenghala (Sykes). The National Academy of Sciences, India, 2012, 35, 155-161.	1.3	25
16	Identification of potential biomarkers of hepatotoxicity by plasma proteome analysis of arsenic-exposed carp Labeo rohita. Journal of Hazardous Materials, 2017, 336, 71-80.	12.4	24
17	Fatty Acid Profile of Indian Shad Tenualosa ilisha Oil and its Dietary Significance. The National Academy of Sciences, India, 2012, 35, 263-269.	1.3	22
18	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

#	ARTICLE	IF	CITATIONS
19	Lipid Biomarkers of Lens Aging. Applied Biochemistry and Biotechnology, 2013, 169, 192-200.	2.9	21
20	Nutrient Profile of Small Indigenous Fish Puntius sophore: Proximate Composition, Amino Acid, Fatty Acid and Micronutrient Profiles. The National Academy of Sciences, India, 2014, 37, 39-44.	1.3	21
21	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
22	Suitable reference gene for quantitative real-time PCR analysis of gene expression in gonadal tissues of minnow Puntius sophore under high-temperature stress. BMC Genomics, 2017, 18, 617.	2.8	19
23	Dry Fish and Its Contribution Towards Food and Nutritional Security. Food Reviews International, 2022, 38, 508-536.	8.4	19
24	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
25	Impact assessment of barge trafficking on phytoplankton abundance and Chl a concentration, in River Ganga, India. PLoS ONE, 2019, 14, e0221451.	2.5	16
26	Stocking density matters in open water cage culture: Influence on growth, digestive enzymes, haemato-immuno and stress responses of Puntius sarana (Ham, 1822). Aquaculture, 2022, 547, 737445.	3.5	16
27	Heat stressâ€“induced alterations in the expression of genes associated with gonadal integrity of the teleost Puntius sophore. Fish Physiology and Biochemistry, 2019, 45, 1409-1417.	2.3	15
28	Proteomic and transcriptomic changes in rat liver following oral feeding of formaldehyde. Chemosphere, 2020, 245, 125599.	8.2	13
29	Proteomic profiling of white muscle from freshwater catfish Rita rita. Fish Physiology and Biochemistry, 2015, 41, 789-802.	2.3	11
30	Arsenic in freshwater ecosystems of the Bengal delta: status, sources and seasonal variability. Toxicological and Environmental Chemistry, 2015, 97, 538-551.	1.2	11
31	Comparative studies on nutrient profiling of two deep sea fish (Neoepinnula orientalis and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Zoology, 2016, 77, 41-48.	0.9	11
32	Volatile compounds in hilsa (Tenualosa ilisha , Hamilton) as detected by static headspace gas chromatography and mass spectrometry. Journal of Food Processing and Preservation, 2017, 41, e13212.	2.0	11
33	Phytoplankton biomass in relation to flow dynamics: the case of a tropical river Mahanadi, India. Tropical Ecology, 2019, 60, 485-494.	1.2	11
34	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
35	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
36	A comparative metabolomics study on anadromous clupeid Tenualosa ilisha for better understanding the influence of habitat on nutritional composition. Metabolomics, 2020, 16, 30.	3.0	9

#	Article	IF	Citations
37	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
38	Muscle Proteomics of the Indian Major Carp Catla (Catla catla, Hamilton). Journal of Proteomics and Bioinformatics, 2013, 06, .	0.4	7
39	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
40	Pathophysiological Changes in Rohu (Labeo rohita, Hamilton) Fingerlings Following Arsenic Exposure. The National Academy of Sciences, India, 2015, 38, 315-319.	1.3	6
41	Metal contaminations in sediment and associated ecological risk assessment of river Mahanadi, India. Environmental Monitoring and Assessment, 2020, 192, 810.	2.7	6
42	Brugia malayi Adult Low Molecular Weight IgG4-Reactive Antigens Induce Differential Cytokine Response in Lymphocytes of Endemic Normal and Asymptomatic Microfilariae Carriers In Vitro. Journal of Clinical Immunology, 2007, 27, 397-408.	3.8	5
43	Effect of storage temperature as a preanalytical variable on the lens crystallins protein quality for proteomic studies. Proteomics - Clinical Applications, 2011, 5, 504-512.	1.6	5
44	Curcumin Has Protective Effect on the Eye Lens Against Arsenic Toxicity. Biological Trace Element Research, 2021, 199, 3354-3359.	3.5	5
45	Transcriptomic responses to pollution in natural riverine environment in Rita rita. Environmental Research, 2020, 186, 109508.	7.5	5
46	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
47	Lens proteome map and alpha-crystallin profile of the catfish Rita rita. Indian Journal of Biochemistry and Biophysics, 2011, 48, 35-41.	0.0	5
48	Maternal Fish Consumption and Prevention of Low Birth Weight in the Developing World. The National Academy of Sciences, India, 2012, 35, 433-438.	1.3	3
49	Food Safety, Labeling Regulations and Fish Food Authentication. The National Academy of Sciences, India, 2013, 36, 253-258.	1.3	3
50	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
51	Vasorelaxation of goat mesenteric artery is mediated by endothelial Na+-K+-ATPase. Journal of Pharmacology and Pharmacotherapeutics, 2015, 6, 204-210.	0.4	1
52	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
53	Nutrigenomics and fish. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , .	1.0	1
54	Nutrition, immunity and COVID-19 management. Inland Fisheries Society of India Journal, 2020, 52, 003.	0.2	0

#	Article	IF	Citations
55	Proteomic Profiling and Pathway Analysis of Acid Stress-Induced Vasorelaxation of Mesenteric Arteries In Vitro. Genes, 2022, 13, 801.	2.4	0