Mathan Ramesh

List of Publications by Year
in descending order

80 papers	2,724 citations	159525 30 h-index	197736 49 g-index
80 all docs	80 docs citations	80 times ranked	2691 citing authors

#	Article	IF	Citations
1	Haematological and biochemical responses of freshwater teleost fish Cyprinus carpio (Actinopterygii:) Tj ETQq1 1 0.784314 rgBT /Overlock Physiology, 2011, 100, 206-211.	1.6	164
2	Toxicological effects of arsenate exposure on hematological, biochemical and liver transaminases activity in an Indian major carp, Catla catla. Food and Chemical Toxicology, 2010, 48, 2848-2854.	1.8	141
3	Toxicity assessment of pyriproxyfen in vertebrate model zebrafish embryos (Danio rerio): A multi biomarker study. Aquatic Toxicology, 2018, 196, 132-145.	1.9	131
4	Hematological, biochemical and ionoregulatory responses of Indian major carp Catla catla during chronic sublethal exposure to inorganic arsenic. Chemosphere, 2011, 82, 977-985.	4.2	130
5	Ecotoxicological impacts of clofibric acid and diclofenac in common carp (Cyprinus carpio) fingerlings: Hematological, biochemical, ionoregulatory and enzymological responses. Journal of Hazardous Materials, 2011, 195, 188-194.	6.5	110
6	Effects of Ibuprofen on hematological, biochemical and enzymological parameters of blood in an Indian major carp, Cirrhinus mrigala. Environmental Toxicology and Pharmacology, 2012, 34, 14-22.	2.0	100
7	Carbamazepine (CBZ) induced enzymatic stress in gill, liver and muscle of a common carp, Cyprinus carpio. Journal of King Saud University - Science, 2012, 24, 179-186.	1.6	81
8	Influence of cypermethrin toxicity on ionic regulation and gill Na+/K+-ATPase activity of a freshwater teleost fish Cyprinus carpio. Environmental Toxicology and Pharmacology, 2010, 29, 44-49.	2.0	77
9	Polystyrene microplastics induce apoptosis via ROS-mediated p53 signaling pathway in zebrafish. Chemico-Biological Interactions, 2021, 345, 109550.	1.7	75
10	Endocrine disruption and reproductive impairment in zebrafish by exposure to 8:2 fluorotelomer alcohol. Aquatic Toxicology, 2010, 96, 70-76.	1.9	74
11	Toxicity of Moringa oleifera seed extract on some hematological and biochemical profiles in a freshwater fish, Cyprinus carpio. Experimental and Toxicologic Pathology, 2012, 64, 681-687.	2.1	74
12	Exposure to polystyrene microplastics induced gene modulated biological responses in zebrafish (Danio rerio). Chemosphere, 2021, 281, 128592.	4.2	70
13	Responses of metabolic and antioxidant enzymatic activities in gill, liver and plasma of Catla catla during methyl parathion exposure. Journal of Basic and Applied Zoology, 2016, 77, 31-40.	0.4	69
14	Evaluation of acute and sublethal effects of chloroquine (C18H26CIN3) on certain enzymological and histopathological biomarker responses of a freshwater fish Cyprinus carpio. Toxicology Reports, 2018, 5, 18-27.	1.6	68
15	Toxicological Effects of the Antibiotic Oxytetracycline to an Indian Major Carp Labeo rohita. Archives of Environmental Contamination and Toxicology, 2013, 64, 494-503.	2.1	60
16	Iron oxide nanoparticles to an Indian major carp, Labeo rohita: Impacts on hematology, iono regulation and gill Na+/K+ ATPase activity. Journal of King Saud University - Science, 2015, 27, 151-160.	1.6	58
17	Developmental toxicity and biological responses of zebrafish (Danio rerio) exposed to anti-inflammatory drug ketoprofen. Chemosphere, 2018, 213, 423-433.	4.2	55
18	Toxicity studies of nonylphenol and octylphenol: hormonal, hematological and biochemical effects in Clarias gariepinus. Journal of Applied Toxicology, 2011, 31, 752-761.	1.4	48

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19	Sulforaphane potentially attenuates arsenic-induced nephrotoxicity via the PI3K/Akt/Nrf2 pathway in albino Wistar rats. Environmental Science and Pollution Research, 2019, 26, 12247-12263.	2.7	46
20	Antioxidant status, biochemical, and hematological responses in a cultivable fish Cirrhinus mrigala exposed to an aquaculture antibiotic Sulfamethazine. Aquaculture, 2018, 491, 10-19.	1.7	45
21	Influence of zinc on cadmium induced haematological and biochemical responses in a freshwater teleost fish Catla catla. Fish Physiology and Biochemistry, 2008, 34, 169-174.	0.9	42
22	Toxicological effects of clofibric acid and diclofenac on plasma thyroid hormones of an Indian major carp, Cirrhinus mrigala during short and long-term exposures. Environmental Toxicology and Pharmacology, 2014, 38, 948-958.	2.0	41
23	Ecological risk assessment of silicon dioxide nanoparticles in a freshwater fish Labeo rohita: Hematology, ionoregulation and gill Na+/K+ ATPase activity. Ecotoxicology and Environmental Safety, 2015, 120, 295-302.	2.9	41
24	Potential effects of low molecular weight phthalate esters (C₁₆H₂₂O₄and C₁₂H₁₄O₄) on the freshwater fish Cyprinus carpio. Toxicology Research, 2017, 6, 505-520.	0.9	40
25	DNA damage and physiological responses in an Indian major carp Labeo rohita exposed to an antimicrobial agent triclosan. Fish Physiology and Biochemistry, 2019, 45, 1463-1484.	0.9	40
26	Hematological, biochemical and enzymological responses in an Indian major carp Labeo rohita induced by sublethal concentration of waterborne selenite exposure. Chemico-Biological Interactions, 2014, 207, 67-73.	1.7	37
27	Short-term mercury exposure on Na+/K+-ATPase activity and ionoregulation in gill and brain of an Indian major carp, Cirrhinus mrigala. Journal of Trace Elements in Medicine and Biology, 2013, 27, 70-75.	1.5	36
28	Comparative toxicity of UV-filter Octyl methoxycinnamate and its photoproducts on zebrafish development. Science of the Total Environment, 2020, 718, 134546.	3.9	36
29	Sulforaphane Potentially Ameliorates Arsenic Induced Hepatotoxicity in Albino Wistar Rats: Implication of PI3K/Akt/Nrf2 Signaling Pathway. Cellular Physiology and Biochemistry, 2019, 52, 1203-1222.	1.1	33
30	Acute and sublethal effects in an Indian major carp Cirrhinus mrigala exposed to silver nitrate: Gill Na+/K+-ATPase, plasma electrolytes and biochemical alterations. Fish and Shellfish Immunology, 2012, 32, 862-868.	1.6	32
31	Biochemical and behavior effects induced by diheptyl phthalate (DHpP) and Diisodecyl phthalate (DIDP) exposed to zebrafish. Chemosphere, 2020, 252, 126498.	4.2	32
32	Hepatic oxidative stress, genotoxicity and histopathological alteration in fresh water fish Labeo rohita exposed to organophosphorus pesticide profenofos. Biocatalysis and Agricultural Biotechnology, 2017, 12, 185-190.	1.5	30
33	Pyriproxyfen induced impairment of reproductive endocrine homeostasis and gonadal histopathology in zebrafish (Danio rerio) by altered expression of hypothalamus-pituitary-gonadal (HPG) axis genes. Science of the Total Environment, 2020, 735, 139496.	3.9	30
34	Transcriptional, biochemical and histological alterations in adult zebrafish (Danio rerio) exposed to benzotriazole ultraviolet stabilizer-328. Science of the Total Environment, 2020, 739, 139851.	3.9	30
35	Iron oxide nanoparticles induced alterations in haematological, biochemical and ionoregulatory responses of an Indian major carp Labeo rohita. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	28
36	Organophosphorus flame retardant induced hepatotoxicity and brain AChE inhibition on zebrafish (Danio rerio). Neurotoxicology and Teratology, 2020, 82, 106919.	1.2	28

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37	In vivo evaluation of Nano-palladium toxicity on larval stages and adult of zebrafish (Danio rerio). Science of the Total Environment, 2021, 765, 144268.	3.9	27
38	Biochemical responses of a freshwater fish Cirrhinus mrigala exposed to tris(2-chloroethyl) phosphate (TCEP). Environmental Science and Pollution Research, 2020, 27, 34369-34387.	2.7	25
39	Acute and sublethal intoxication of deltamethrin in an Indian major carp, Labeo rohita: Hormonal and enzymological responses. Journal of Basic and Applied Zoology, 2015, 72, 58-65.	0.4	23
40	Green synthesis of silver nanoparticles using Piper nigrum: tissue-specific bioaccumulation, histopathology, and oxidative stress responses in Indian major carp Labeo rohita. Environmental Science and Pollution Research, 2018, 25, 11812-11832.	2.7	23
41	Responses of <scp>Cirrhinus mrigala</scp> to secondâ€generation fluoroquinolone (ciprofloxacin) toxicity: Assessment of antioxidants, tissue morphology, and inorganic ions. Environmental Toxicology, 2021, 36, 887-902.	2.1	23
42	Sublethal toxicity of quinalphos on oxidative stress and antioxidant responses in a freshwater fish Cyprinus carpio. Environmental Toxicology, 2016, 31, 1399-1406.	2.1	22
43	Single and joint toxicity assessment of acetamiprid and thiamethoxam neonicotinoids pesticides on biochemical indices and antioxidant enzyme activities of a freshwater fish Catla catla. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 257, 109336.	1.3	22
44	Sublethal toxicological evaluation of methyl parathion on some haematological and biochemical parameters in an Indian major carp Catla catla. Comparative Clinical Pathology, 2012, 21, 55-61.	0.3	18
45	Sublethal concentration of bisphenol A induces hematological and biochemical responses in an Indian major carp Labeo rohita. Ecohydrology and Hydrobiology, 2017, 17, 306-313.	1.0	17
46	Influence of environmental salinity and cortisol pretreatment on gill Na+/K+ â^'ATPase activity and survival and growth rates in Cyprinus carpio. Aquaculture Reports, 2018, 11, 1-7.	0.7	17
47	Responses of the freshwater fish Cyprinus carpio exposed to different concentrations of butachlor and oxadiazon. Biocatalysis and Agricultural Biotechnology, 2017, 11, 275-281.	1.5	16
48	Responses of the Indian major carpLabeo rohitato deltamethrin at acute and sublethal concentrations. Toxicological and Environmental Chemistry, 2015, 97, 186-199.	0.6	15
49	Assessment of triclosan impact on enzymatic biomarkers in an Indian major carp, Catla catla. Journal of Basic and Applied Zoology, 2019, 80, .	0.4	15
50	Alteration in certain enzymological parameters of an Indian major carp, Cirrhinus mrigala exposed to short- and long-term exposure of clofibric acid and diclofenac. Fish Physiology and Biochemistry, 2013, 39, 1431-1440.	0.9	13
51	Impact of sublethal concentration of a fungicide propiconazole on certain health biomarkers of Indian major carp Labeo rohita. Biocatalysis and Agricultural Biotechnology, 2016, 8, 321-327.	1.5	13
52	Distribution of isopod parasites in commercially important marine fishes of the Miri coast, East Malaysia. Journal of Parasitic Diseases, 2017, 41, 55-61.	0.4	13
53	Synthesis and characterization of palladium nanoparticles by chemical and green methods: A comparative study on hepatic toxicity using zebrafish as an animal model. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 244, 108979.	1.3	13
54	Toxicity of furadan (carbofuran 3% g) in Cyprinus carpio: Haematological, biochemical and enzymological alterations and recovery response. Beni-Suef University Journal of Basic and Applied Sciences, 2015, 4, 314-326.	0.8	12

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55	Sitosterol-fabricated chitosan nanocomplex induces apoptotic cell death through mitochondrial dysfunction in lung cancer animal model: an enhanced synergetic drug delivery system for lung cancer therapy. New Journal of Chemistry, 2021, 45, 9251-9263.	1.4	12
56	Distribution of isopod parasites in Carangid fishes from Parangipettai, Southeast coast of India. Journal of Parasitic Diseases, 2016, 40, 124-128.	0.4	11
57	Long term exposure to tris (2-chloroethyl) phosphate (TCEP) causes alterations in reproductive hormones, vitellogenin, antioxidant enzymes, and histology of gonads in zebrafish (Danio rerio): In vivo and computational analysis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2022, 254, 109263.	1.3	11
58	Responses of Labeo rohita fingerlings to N-acetyl-p-aminophenol toxicity. Ecotoxicology and Environmental Safety, 2018, 157, 73-80.	2.9	10
59	Bioaccumulation of silver and its effects on biochemical parameters and histological alterations in an Indian major carp Labeo rohita. Environmental Chemistry and Ecotoxicology, 2021, 3, 51-58.	4.6	10
60	Dose-Dependent Molecular Responses of Labeo rohita to Triphenyl Phosphate. Chemical Research in Toxicology, 2021, 34, 2500-2511.	1.7	10
61	Response of antioxidants to semisynthetic bacteriostatic antibiotic (erythromycin) concentrations: A study on freshwater fish. Acta Ecologica Sinica, 2019, 39, 166-172.	0.9	9
62	Green Synthesized Silver Nanoparticles and Their Impact on the Antioxidant Response and Histology of Indian Major Carp Labeo rohita, with Combined Response Surface Methodology Analysis. Journal of Cluster Science, 2018, 29, 267-279.	1.7	8
63	Synthetic organic chemicals (flame retardants and pesticides) with neurotoxic potential induced behavioral impairment on zebrafish (Danio rerio): a non-invasive approach for neurotoxicology. Environmental Science and Pollution Research, 2021, 28, 37534-37546.	2.7	8
64	Primary stress responses of common carp, <I>Cyprinus carpio</I>, exposed to copper toxicity. Acta Ichthyologica Et Piscatoria, 2007, 37, 81-85.	0.3	8
65	Chronic amoxicillin exposure affects Labeo rohita: assessment of hematological, ionic compounds, biochemical, and enzymological activities. Heliyon, 2019, 5, e01434.	1.4	7
66	Assessment of eco-toxic effects of commonly used water disinfectant on zebrafish (Danio rerio) swimming behaviour and recovery responses: an early-warning biomarker approach. Environmental Science and Pollution Research, 2022, 29, 41849-41862.	2.7	7
67	New record of Norileca indica from the west coast of India. Journal of Parasitic Diseases, 2015, 39, 712-715.	0.4	6
68	Exploring the sublethal genotoxic effects of class II organophosphorus insecticide quinalphos on freshwater fish Cyprinus carpio. Journal of Oceanology and Limnology, 2021, 39, 661-670.	0.6	6
69	Organophosphorus-based chemical additives induced behavioral changes in zebrafish (Danio rerio): Swimming activity is a sensitive stress indicator. Neurotoxicology and Teratology, 2021, 83, 106945.	1.2	6
70	Hostâ€“parasite relationships: Mothocya plagulophora parasitizing Hemiramphus far in the Southeast coast of India. Journal of Parasitic Diseases, 2015, 39, 645-648.	0.4	5
71	Nerocila sundaica (Isopoda, Cymothoidae) parasitizing Otolithes ruber from Nagapattinam, Southeast coast of India. Journal of Parasitic Diseases, 2015, 39, 789-792.	0.4	5
72	Parasitic isopods from marine fishes off Nagapattinam coast, India. Journal of Parasitic Diseases, 2016, 40, 940-944.	0.4	5

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73	Effect of ammonia on the electrolyte status of an Indian major carp Catla catla. Aquaculture Research, 2012, 44, n/a-n/a.	0.9	4
74	Toxicity Assessment of Acetylsalicylic Acid to a Freshwater Fish Cyprinus carpio: Haematological, Biochemical, Enzymological and Antioxidant Responses. Handbook of Environmental Chemistry, 2020, , 191-215.	0.2	4
75	Gene expression profiling in liver of zebrafish exposed to ethylhexyl methoxycinnamate and its photoproducts. Science of the Total Environment, 2022, 826, 154046.	3.9	4
76	Two Nerocila species parasitizing Pomadasys maculatus from Nagapattinam, Southeast coast of India. Journal of Parasitic Diseases, 2016, 40, 968-970.	0.4	3
77	Accumulation of Cadmium and Antioxidant and Hormonal Responses in the Indian Major Carp Cirrhinus mrigala During Acute and Sublethal Exposure. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	3
78	Impact of endosulfan on certain hematological and biochemical parameters of catfishLabeo fimbriatus: Sublethal study. Toxicology and Industrial Health, 2011, 27, 555-562.	0.6	2
79	New potential host for Ryukyua globosa (Crustacea, Isopoda, Cymothoidae) from Parangipettai, Southeast coast of India. Journal of Parasitic Diseases, 2016, 40, 1293-1295.	0.4	1
80	Copper and Copper Nanoparticles Induced Hematological Changes in a Freshwater Fish Labeo rohita â€“ A Comparative Study. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 352-375.	0.3	0