Zongming Ren

List of Publications by Year
in descending order

51	1,729	304368	288905
papers	citations	22 h-index	40 g-index

51	51	51	1893
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanostructured iron(III)-copper(II) binary oxide: A novel adsorbent for enhanced arsenic removal from aqueous solutions. Water Research, 2013, 47, 4022-4031.	5.3	290
2	Adsorptive removal of arsenic from water by an ironâ€“zirconium binary oxide adsorbent. Journal of Colloid and Interface Science, 2011, 358, 230-237.	5.0	236
3	Facile synthesis, characterization of a MnFe2O4/activated carbon magnetic composite and its effectiveness in tetracycline removal. Materials Chemistry and Physics, 2012, 135, 16-24.	2.0	175
4	The early warning of aquatic organophosphorus pesticide contamination by on-line monitoring behavioral changes of Daphnia magna. Environmental Monitoring and Assessment, 2007, 134, 373-383.	1.3	84
5	AChE inhibition: One dominant factor for swimming behavior changes of Daphnia magna under DDVP exposure. Chemosphere, 2015, 120, 252-257.	4.2	70
6	Behavioral Responses of Daphnia Magna to Stresses of Chemicals with Different Toxic Characteristics. Bulletin of Environmental Contamination and Toxicology, 2009, 82, 310-316.	1.3	54
7	Differences in the behavior characteristics between Daphnia magna and Japanese madaka in an on-line biomonitoring system. Journal of Environmental Sciences, 2010, 22, 703-708.	3.2	44
8	Does time difference of the acetylcholinesterase (AChE) inhibition in different tissues exist? A case study of zebra fish (Danio rerio) exposed to cadmium chloride and deltamethrin. Chemosphere, 2017, 168, 908-916.	4.2	38
9	Behavior responses of zebrafish (Danio rerio) to aquatic environmental stresses in the characteristic of circadian rhythms. Chemosphere, 2018, 210, 129-138.	4.2	33
10	Biochemical and behavior effects induced by diheptyl phthalate (DHpP) and Diisodecyl phthalate (DIDP) exposed to zebrafish. Chemosphere, 2020, 252, 126498.	4.2	32
11	The physiological characteristics of zebra fish (Danio rerio) based on metabolism and behavior: A new method for the online assessment of cadmium stress. Chemosphere, 2017, 184, 1150-1156.	4.2	29
12	Toxic Assessment of Cadmium Based on Online Swimming Behavior and the Continuous AChE Activity in the Gill of Zebrafish (Danio rerio). Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	29
13	Cadmium stress assessment based on the electrocardiogram characteristics of zebra fish (Danio) Tj ETQq1 1 0.784314 rgBT /Overloc	1.9	29
14	Integrative Characterization of Toxic Response of Zebra Fish (Danio rerio) to Deltamethrin Based on AChE Activity and Behavior Strength. BioMed Research International, 2016, 2016, 1-10.	0.9	28
15	Environmental Characteristics of Polybrominated Diphenyl Ethers in Marine System, with Emphasis on Marine Organisms and Sediments. BioMed Research International, 2016, 2016, 1-16.	0.9	28
16	Toxic responses of zebrafish (Danio rerio) to thallium and deltamethrin characterized in the electrocardiogram. Chemosphere, 2018, 212, 1085-1094.	4.2	28
17	Organophosphorus flame retardant induced hepatotoxicity and brain AChE inhibition on zebrafish (Danio rerio). Neurotoxicology and Teratology, 2020, 82, 106919.	1.2	28
18	Evidence for the Stepwise Behavioral Response Model (SBRM): The effects of Carbamate Pesticides on medaka (Oryzias latipes) in an online monitoring system. Chemosphere, 2012, 87, 734-741.	4.2	27

#	Article	IF	Citations
19	Influences of Temperature, pH and Turbidity on the Behavioral Responses of Daphnia magna and Japanese Medaka (Oryzias latipes) in the Biomonitor. Procedia Environmental Sciences, 2012, 13, 80-86.	1.3	27
20	Characterizing response behavior of medaka (Oryzias latipes) under chemical stress based on self-organizing map and filtering by integration. Ecological Informatics, 2015, 29, 107-118.	2.3	25
21	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
22	Highly efficient photocatalytic degradation of methylene blue by PoPD/TiO2 nanocomposite. PLoS ONE, 2017, 12, e0174104.	1.1	24
23	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
24	Potential effects of internal physio-ecological changes on the online biomonitoring of water quality: The behavior responses with circadian rhythms of zebrafish (Danio rerio) to different chemicals. Chemosphere, 2020, 239, 124752.	4.2	22
25	The Effects of Residual Chlorine on the Behavioural Responses of Daphnia magna in the Early Warning of Drinking Water Accidental Events. Procedia Environmental Sciences, 2012, 13, 71-79.	1.3	21
26	Is sodium percarbonate a good choice in situ remediation of deltamethrin pollution?. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	3.3	21
27	Equilibrium adsorption study of the adsorptive removal of Cd2+ and Cr6+ using activated carbon. Environmental Science and Pollution Research, 2018, 25, 25538-25550.	2.7	21
28	The Role of AChE in Swimming Behavior of Daphnia magna: Correlation Analysis of Both Parameters Affected by Deltamethrin and Methomyl Exposure. Journal of Toxicology, 2017, 2017, 1-11.	1.4	19
29	The potential assessment of green alga Chlamydomonas reinhardtii CC-503 in the biodegradation of benz(a)anthracene and the related mechanism analysis. Chemosphere, 2020, 249, 126097.	4.2	19
30	The toxic effects of deltamethrin on Danio rerio: the correlation among behavior response, physiological damage and AChE. RSC Advances, 2016, 6, 109826-109833.	1.7	17
31	The fuzzy comprehensive evaluation (FCE) and the principal component analysis (PCA) model simulation and its applications in water quality assessment of Nansi Lake Basin, China. Environmental Engineering Research, 2021, 26, 200022-0.	1.5	17
32	Persistence Parameter: a Reliable Measurement for Behavioral Responses of Medaka (Oryzias latipes) to Environmental Stress. Environmental Modeling and Assessment, 2016, 21, 159-167.	1.2	14
33	Two-Dimensional VO2 Mesoporous Microarrays for High-Performance Supercapacitor. Nanoscale Research Letters, 2018, 13, 142.	3.1	14
34	Behavior persistence in defining threshold switch in stepwise response of aquatic organisms exposed to toxic chemicals. Chemosphere, 2016, 165, 409-417.	4.2	13
35	The Monitoring and Assessment of Aquatic Toxicology. BioMed Research International, 2017, 2017, 1-2.	0.9	13
36	The continuous physiological changes of zebrafish (Danio rerio) based on metabolism under controlled thallium stress. Chemosphere, 2020, 240, 124974.	4.2	13

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37	The online monitoring and assessment of thallium stress using oxygen consumption rate and carbon dioxide excretion rate of zebrafish (Danio rerio). Chemosphere, 2019, 216, 103-109.	4.2	12
38	A new online monitoring and management system for accidental pollution events developed for the regional water basin in Ningbo, China. Water Science and Technology, 2011, 64, 1828-1834.	1.2	9
39	The Stepwise Behavioral Responses: Behavioral Adjustment of the Chinese Rare Minnow (Gobiocypris rarus) in the Exposure of Carbamate Pesticides. BioMed Research International, 2013, 2013, 1-9.	0.9	8
40	Is circadian rhythm a good indicator in the environmental assessment? The toxic effects of contaminants in trace level on the behavior responses of goldfish (Carassius auratus). Ecological Indicators, 2019, 105, 700-708.	2.6	8
41	Simultaneous eco-toxicity assessment technique using an online monitoring system: effects of different environmental factors on swimming behavior of zebrafish (Danio rerio). Chemosphere, 2020, 255, 126934.	4.2	8
42	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
43	Modeling macrozooplankton and water quality relationships after wetland construction in the Wenyuhe River Basin, China. Ecological Modelling, 2013, 252, 97-105.	1.2	7
44	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
45	IR-Based Novel Device for Real-Time Online Acquisition of Fish Heart ECG Signals. Environmental Science & Technology, 2022, 56, 4262-4271.	4.6	7
46	The ammonia effects to the habitat requirements and adaptability ofDaphnia magna. Desalination and Water Treatment, 2014, 52, 2695-2699.	1.0	6
47	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
48	Analysis of Nonpoint Source Pollution and Water Environmental Quality Variation Trends in the Nansi Lake Basin from 2002 to 2012. Journal of Chemistry, 2015, 2015, 1-11.	0.9	5
49	Application of temporal self-organizing maps to patterning short-time series of fish behavior responding to environmental stress. Ecological Modelling, 2020, 433, 109242.	1.2	5
50	The specification of zebrafish (Danio rerio) heart electrocardiogram index characteristic responses to different types of pollutants. Chemosphere, 2021, 267, 129199.	4.2	2
51	The Monitoring and Assessment of Cd2+ Stress Using Zebrafish (Danio rerio). , 2018, , .		1