

Zongming Ren

List of Publications by Year in descending order

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51
papers

1,729
citations

304368

22
h-index

288905

40
g-index

51
all docs

51
docs citations

51
times ranked

1893
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Assessment of eco-toxic effects of commonly used water disinfectant on zebrafish (<i>Danio rerio</i>) swimming behaviour and recovery responses: an early-warning biomarker approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 41849-41862. | 2.7 | 7 |
| 2 | IR-Based Novel Device for Real-Time Online Acquisition of Fish Heart ECG Signals. <i>Environmental Science & Technology</i> , 2022, 56, 4262-4271. | 4.6 | 7 |
| 3 | The specification of zebrafish (<i>Danio rerio</i>) heart electrocardiogram index characteristic responses to different types of pollutants. <i>Chemosphere</i> , 2021, 267, 129199. | 4.2 | 2 |
| 4 | Organophosphorus-based chemical additives induced behavioral changes in zebrafish (<i>Danio rerio</i>): Swimming activity is a sensitive stress indicator. <i>Neurotoxicology and Teratology</i> , 2021, 83, 106945. | 1.2 | 6 |
| 5 | Synthetic organic chemicals (flame retardants and pesticides) with neurotoxic potential induced behavioral impairment on zebrafish (<i>Danio rerio</i>): a non-invasive approach for neurotoxicology. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37534-37546. | 2.7 | 8 |
| 6 | Responses of <i>Cirrhinus mrigala</i> to second-generation fluoroquinolone (ciprofloxacin) toxicity: Assessment of antioxidants, tissue morphology, and inorganic ions. <i>Environmental Toxicology</i> , 2021, 36, 887-902. | 2.1 | 23 |
| 7 | 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. <i>Environmental Engineering Research</i> , 2021, 26, 200022-0. | 1.5 | 17 |
| 8 | The continuous physiological changes of zebrafish (<i>Danio rerio</i>) based on metabolism under controlled thallium stress. <i>Chemosphere</i> , 2020, 240, 124974. | 4.2 | 13 |
| 9 | Potential effects of internal physio-ecological changes on the online biomonitoring of water quality: The behavior responses with circadian rhythms of zebrafish (<i>Danio rerio</i>) to different chemicals. <i>Chemosphere</i> , 2020, 239, 124752. | 4.2 | 22 |
| 10 | Organophosphorus flame retardant induced hepatotoxicity and brain AChE inhibition on zebrafish (<i>Danio rerio</i>). <i>Neurotoxicology and Teratology</i> , 2020, 82, 106919. | 1.2 | 28 |
| 11 | Application of temporal self-organizing maps to patterning short-time series of fish behavior responding to environmental stress. <i>Ecological Modelling</i> , 2020, 433, 109242. | 1.2 | 5 |
| 12 | Simultaneous eco-toxicity assessment technique using an online monitoring system: effects of different environmental factors on swimming behavior of zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2020, 255, 126934. | 4.2 | 8 |
| 13 | Biochemical responses of a freshwater fish <i>Cirrhinus mrigala</i> exposed to tris(2-chloroethyl) phosphate (TCEP). <i>Environmental Science and Pollution Research</i> , 2020, 27, 34369-34387. | 2.7 | 25 |
| 14 | Biochemical and behavior effects induced by diheptyl phthalate (DHpP) and Diisodecyl phthalate (DIDP) exposed to zebrafish. <i>Chemosphere</i> , 2020, 252, 126498. | 4.2 | 32 |
| 15 | The potential assessment of green alga <i>Chlamydomonas reinhardtii</i> CC-503 in the biodegradation of benz(a)anthracene and the related mechanism analysis. <i>Chemosphere</i> , 2020, 249, 126097. | 4.2 | 19 |
| 16 | Is circadian rhythm a good indicator in the environmental assessment? The toxic effects of contaminants in trace level on the behavior responses of goldfish (<i>Carassius auratus</i>). <i>Ecological Indicators</i> , 2019, 105, 700-708. | 2.6 | 8 |
| 17 | The online monitoring and assessment of thallium stress using oxygen consumption rate and carbon dioxide excretion rate of zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019, 216, 103-109. | 4.2 | 12 |
| 18 | The Monitoring and Assessment of Cd ²⁺ Stress Using Zebrafish (<i>Danio rerio</i>). , 2018, , . | | 1 |

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|----|---|-----|-----------|
| 19 | Toxic responses of zebrafish (<i>Danio rerio</i>) to thallium and deltamethrin characterized in the electrocardiogram. <i>Chemosphere</i> , 2018, 212, 1085-1094. | 4.2 | 28 |
| 20 | Behavior responses of zebrafish (<i>Danio rerio</i>) to aquatic environmental stresses in the characteristic of circadian rhythms. <i>Chemosphere</i> , 2018, 210, 129-138. | 4.2 | 33 |
| 21 | Equilibrium adsorption study of the adsorptive removal of Cd ²⁺ and Cr ⁶⁺ using activated carbon. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25538-25550. | 2.7 | 21 |
| 22 | Two-Dimensional VO ₂ Mesoporous Microarrays for High-Performance Supercapacitor. <i>Nanoscale Research Letters</i> , 2018, 13, 142. | 3.1 | 14 |
| 23 | The physiological characteristics of zebra fish (<i>Danio rerio</i>) based on metabolism and behavior: A new method for the online assessment of cadmium stress. <i>Chemosphere</i> , 2017, 184, 1150-1156. | 4.2 | 29 |
| 24 | Is sodium percarbonate a good choice in situ remediation of deltamethrin pollution?. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1. | 3.3 | 21 |
| 25 | Toxic Assessment of Cadmium Based on Online Swimming Behavior and the Continuous AChE Activity in the Gill of Zebrafish (<i>Danio rerio</i>). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 29 |
| 26 | Cadmium stress assessment based on the electrocardiogram characteristics of zebra fish (<i>Danio rerio</i>). <i>Journal of Environmental Science and Pollution Research</i> , 2017, 24, 1075-1084. | 1.9 | 29 |
| 27 | Does time difference of the acetylcholinesterase (AChE) inhibition in different tissues exist? A case study of zebra fish (<i>Danio rerio</i>) exposed to cadmium chloride and deltamethrin. <i>Chemosphere</i> , 2017, 168, 908-916. | 4.2 | 38 |
| 28 | The Monitoring and Assessment of Aquatic Toxicology. <i>BioMed Research International</i> , 2017, 2017, 1-2. | 0.9 | 13 |
| 29 | The Role of AChE in Swimming Behavior of <i>Daphnia magna</i> : Correlation Analysis of Both Parameters Affected by Deltamethrin and Methomyl Exposure. <i>Journal of Toxicology</i> , 2017, 2017, 1-11. | 1.4 | 19 |
| 30 | Highly efficient photocatalytic degradation of methylene blue by PoPD/TiO ₂ nanocomposite. <i>PLoS ONE</i> , 2017, 12, e0174104. | 1.1 | 24 |
| 31 | Integrative Characterization of Toxic Response of Zebra Fish (<i>Danio rerio</i>) to Deltamethrin Based on AChE Activity and Behavior Strength. <i>BioMed Research International</i> , 2016, 2016, 1-10. | 0.9 | 28 |
| 32 | Environmental Characteristics of Polybrominated Diphenyl Ethers in Marine System, with Emphasis on Marine Organisms and Sediments. <i>BioMed Research International</i> , 2016, 2016, 1-16. | 0.9 | 28 |
| 33 | The toxic effects of deltamethrin on <i>Danio rerio</i> : the correlation among behavior response, physiological damage and AChE. <i>RSC Advances</i> , 2016, 6, 109826-109833. | 1.7 | 17 |
| 34 | Behavior persistence in defining threshold switch in stepwise response of aquatic organisms exposed to toxic chemicals. <i>Chemosphere</i> , 2016, 165, 409-417. | 4.2 | 13 |
| 35 | Persistence Parameter: a Reliable Measurement for Behavioral Responses of Medaka (<i>Oryzias latipes</i>) to Environmental Stress. <i>Environmental Modeling and Assessment</i> , 2016, 21, 159-167. | 1.2 | 14 |
| 36 | Analysis of Nonpoint Source Pollution and Water Environmental Quality Variation Trends in the Nansi Lake Basin from 2002 to 2012. <i>Journal of Chemistry</i> , 2015, 2015, 1-11. | 0.9 | 5 |

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|----|---|-----|-----------|
| 37 | Characterizing response behavior of medaka (<i>Oryzias latipes</i>) under chemical stress based on self-organizing map and filtering by integration. <i>Ecological Informatics</i> , 2015, 29, 107-118. | 2.3 | 25 |
| 38 | AChE inhibition: One dominant factor for swimming behavior changes of <i>Daphnia magna</i> under DDVP exposure. <i>Chemosphere</i> , 2015, 120, 252-257. | 4.2 | 70 |
| 39 | The ammonia effects to the habitat requirements and adaptability of <i>Daphnia magna</i> . <i>Desalination and Water Treatment</i> , 2014, 52, 2695-2699. | 1.0 | 6 |
| 40 | Modeling macrozooplankton and water quality relationships after wetland construction in the Wenyuhe River Basin, China. <i>Ecological Modelling</i> , 2013, 252, 97-105. | 1.2 | 7 |
| 41 | Nanostructured iron(III)-copper(II) binary oxide: A novel adsorbent for enhanced arsenic removal from aqueous solutions. <i>Water Research</i> , 2013, 47, 4022-4031. | 5.3 | 290 |
| 42 | The Stepwise Behavioral Responses: Behavioral Adjustment of the Chinese Rare Minnow (<i>Gobiocypris rarus</i>) in the Exposure of Carbamate Pesticides. <i>BioMed Research International</i> , 2013, 2013, 1-9. | 0.9 | 8 |
| 43 | Evidence for the Stepwise Behavioral Response Model (SBRM): The effects of Carbamate Pesticides on medaka (<i>Oryzias latipes</i>) in an online monitoring system. <i>Chemosphere</i> , 2012, 87, 734-741. | 4.2 | 27 |
| 44 | Facile synthesis, characterization of a MnFe ₂ O ₄ /activated carbon magnetic composite and its effectiveness in tetracycline removal. <i>Materials Chemistry and Physics</i> , 2012, 135, 16-24. | 2.0 | 175 |
| 45 | The Effects of Residual Chlorine on the Behavioural Responses of <i>Daphnia magna</i> in the Early Warning of Drinking Water Accidental Events. <i>Procedia Environmental Sciences</i> , 2012, 13, 71-79. | 1.3 | 21 |
| 46 | Influences of Temperature, pH and Turbidity on the Behavioral Responses of <i>Daphnia magna</i> and Japanese Medaka (<i>Oryzias latipes</i>) in the Biomonitor. <i>Procedia Environmental Sciences</i> , 2012, 13, 80-86. | 1.3 | 27 |
| 47 | Adsorptive removal of arsenic from water by an iron-zirconium binary oxide adsorbent. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 230-237. | 5.0 | 236 |
| 48 | A new online monitoring and management system for accidental pollution events developed for the regional water basin in Ningbo, China. <i>Water Science and Technology</i> , 2011, 64, 1828-1834. | 1.2 | 9 |
| 49 | Differences in the behavior characteristics between <i>Daphnia magna</i> and Japanese medaka in an on-line biomonitoring system. <i>Journal of Environmental Sciences</i> , 2010, 22, 703-708. | 3.2 | 44 |
| 50 | Behavioral Responses of <i>Daphnia Magna</i> to Stresses of Chemicals with Different Toxic Characteristics. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 310-316. | 1.3 | 54 |
| 51 | The early warning of aquatic organophosphorus pesticide contamination by on-line monitoring behavioral changes of <i>Daphnia magna</i> . <i>Environmental Monitoring and Assessment</i> , 2007, 134, 373-383. | 1.3 | 84 |