

De-Sheng Pei

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,190
citations

117571

34
h-index

168321

53
g-index

82
all docs

82
docs citations

82
times ranked

4688
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue distribution and endocrine disruption effects of chronic exposure to pharmaceuticals and personal care products mixture at environmentally relevant concentrations in zebrafish. <i>Aquatic Toxicology</i> , 2022, 242, 106040.	1.9	16
2	In vivo toxicity assessment of four types of graphene quantum dots (GQDs) using mRNA sequencing. <i>Toxicology Letters</i> , 2022, 363, 55-66.	0.4	10
3	Generation and application of a novel high-throughput detection based on RPA-CRISPR technique to sensitively monitor pathogenic microorganisms in the environment. <i>Science of the Total Environment</i> , 2022, 838, 156048.	3.9	23
4	Role of manganese superoxide dismutase (Mn-SOD) against Cr(III)-induced toxicity in bacteria. <i>Journal of Hazardous Materials</i> , 2021, 403, 123604.	6.5	9
5	Stepwise crosstalk between aberrant Nf1, Tp53 and Rb signalling pathways induces gliomagenesis in zebrafish. <i>Brain</i> , 2021, 144, 615-635.	3.7	6
6	Biotoxic effects and gene expression regulation of urban PM2.5 in southwestern China. <i>Science of the Total Environment</i> , 2021, 753, 141774.	3.9	7
7	A novel WH-flags method based on reducing the acidity of molybdenum blue (MB) reaction and stabilization by EDTA for quickly detecting phosphorus in water. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 735-744.	1.7	1
8	Zebrafish as a model system to evaluate the safety and toxicity of nutraceuticals. , 2021, , 395-409.		0
9	A comprehensive review on genetically modified fish: key techniques, applications and future prospects. <i>Reviews in Aquaculture</i> , 2021, 13, 1635-1660.	4.6	12
10	Chronic exposure to PPCPs mixture at environmentally relevant concentrations (ERCs) altered carbohydrate and lipid metabolism through gut and liver toxicity in zebrafish. <i>Environmental Pollution</i> , 2021, 273, 116494.	3.7	35
11	Combined toxicity of endocrine-disrupting chemicals: A review. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112136.	2.9	73
12	Role of germ-free animal models in understanding interactions of gut microbiota to host and environmental health: A special reference to zebrafish. <i>Environmental Pollution</i> , 2021, 279, 116925.	3.7	26
13	A review on efficient removal of phthalic acid esters via biochars and transition metals-activated persulfate systems. <i>Chemosphere</i> , 2021, 277, 130256.	4.2	32
14	Loss of mpv17 affected early embryonic development via mitochondria dysfunction in zebrafish. <i>Cell Death Discovery</i> , 2021, 7, 250.	2.0	4
15	Generation of a novel transgenic marine medaka (<i>Oryzias melastigma</i>) for highly sensitive detection of heavy metals in the environment. <i>Journal of Hazardous Materials</i> , 2021, 419, 126382.	6.5	2
16	Transcriptome and in silico approaches provide new insights into the mechanism of male reproductive toxicity induced by chronic exposure to DEHP. <i>Environmental Pollution</i> , 2021, 289, 117944.	3.7	14
17	Disruption of Intestinal Homeostasis Through Altered Responses of the Microbial Community, Energy Metabolites, and Immune System in Zebrafish After Chronic Exposure to DEHP. <i>Frontiers in Microbiology</i> , 2021, 12, 729530.	1.5	24
18	Mitochondrial dysfunction, UPRmt signaling, and targeted therapy in metastasis tumor. <i>Cell and Bioscience</i> , 2021, 11, 186.	2.1	20

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19	Individual and combined mechanistic toxicity of sulfonamides and their implications for ecological risk assessment in the Three Gorges Reservoir Area (TGRA), China. <i>Journal of Hazardous Materials</i> , 2020, 382, 121106.	6.5	36
20	Effects of phthalate acid esters on zebrafish larvae: Development and skeletal morphogenesis. <i>Chemosphere</i> , 2020, 246, 125808.	4.2	56
21	Gut bacteria <i>Vibrio</i> sp. and <i>Aeromonas</i> sp. trigger the expression levels of proinflammatory cytokine: First evidence from the germ-free zebrafish. <i>Fish and Shellfish Immunology</i> , 2020, 106, 518-525.	1.6	16
22	Photodynamic Nanophotosensitizers: Promising Materials for Tumor Theranostics. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5474-5485.	2.6	18
23	Characterization of petroleum-based plastics and their absorbed trace metals from the sediments of the Marina Beach in Chennai, India. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	24
24	Acute and chronic effects of polystyrene microplastics on brine shrimp: First evidence highlighting the molecular mechanism through transcriptome analysis. <i>Journal of Hazardous Materials</i> , 2020, 400, 123220.	6.5	100
25	Individual and combined toxicogenetic effects of microplastics and heavy metals (Cd, Pb, and Zn) perturb gut microbiota homeostasis and gonadal development in marine medaka (<i>Oryzias melastigma</i>). <i>Journal of Hazardous Materials</i> , 2020, 397, 122795.	6.5	161
26	Prioritizing phthalate esters (PAEs) using experimental in vitro/vivo toxicity assays and computational in silico approaches. <i>Journal of Hazardous Materials</i> , 2020, 398, 122851.	6.5	48
27	Prioritizing selected PPCPs on the basis of environmental and toxicogenetic concerns: A toxicity estimation to confirmation approach. <i>Journal of Hazardous Materials</i> , 2019, 380, 120828.	6.5	37
28	Chronic exposure to graphene oxide (GO) induced inflammation and differentially disturbed the intestinal microbiota in zebrafish. <i>Environmental Science: Nano</i> , 2019, 6, 2452-2469.	2.2	25
29	Antimicrobial Activity and Mechanism of Functionalized Quantum Dots. <i>Polymers</i> , 2019, 11, 1670.	2.0	67
30	Full-color carbon dots with multiple red-emission tuning: on/off sensors, in vitro and in vivo multicolor bioimaging. <i>Journal of Materials Science</i> , 2019, 54, 6815-6825.	1.7	42
31	Nanotoxicity of different sizes of graphene (G) and graphene oxide (GO) in vitro and in vivo. <i>Environmental Pollution</i> , 2019, 247, 595-606.	3.7	114
32	Impact of water quality on the microbial diversity in the surface water along the Three Gorge Reservoir (TGR), China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 412-418.	2.9	41
33	AP endonuclease 1 (Apex1) influences brain development linking oxidative stress and DNA repair. <i>Cell Death and Disease</i> , 2019, 10, 348.	2.7	24
34	Nitrogen-doped graphene quantum dots (N-GQDs) perturb redox-sensitive system via the selective inhibition of antioxidant enzyme activities in zebrafish. <i>Biomaterials</i> , 2019, 206, 61-72.	5.7	58
35	Knock-In Strategy for Editing Human and Zebrafish Mitochondrial DNA Using Mito-CRISPR/Cas9 System. <i>ACS Synthetic Biology</i> , 2019, 8, 621-632.	1.9	51
36	Use of biological detection methods to assess dioxin-like compounds in sediments of Bohai Bay, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 339-346.	2.9	16

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37	Sex dependent effects of silver nanoparticles on the zebrafish gut microbiota. <i>Environmental Science: Nano</i> , 2018, 5, 740-751.	2.2	55
38	Mesh-Embedded Polysulfone/Sulfonated Polysulfone Supported Thin Film Composite Membranes for Forward Osmosis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2918-2928.	4.0	46
39	Hypersensitive assessment of aryl hydrocarbon receptor transcriptional activity using a novel truncated cyp1a promoter in zebrafish. <i>FASEB Journal</i> , 2018, 32, 2814-2826.	0.2	11
40	Status of indoor air pollution (IAP) through particulate matter (PM) emissions and associated health concerns in South Asia. <i>Chemosphere</i> , 2018, 191, 651-663.	4.2	51
41	Reproductive effects linked to DNA methylation in male zebrafish chronically exposed to environmentally relevant concentrations of di-(2-ethylhexyl) phthalate. <i>Environmental Pollution</i> , 2018, 237, 1050-1061.	3.7	49
42	Generation and application of a novel transgenic zebrafish line Tg(cyp1a:mCherry) as an in vivo assay to sensitively monitor PAHs and TCDD in the environment. <i>Journal of Hazardous Materials</i> , 2018, 344, 723-732.	6.5	27
43	Transcriptomic response and perturbation of toxicity pathways in zebrafish larvae after exposure to graphene quantum dots (GQDs). <i>Journal of Hazardous Materials</i> , 2018, 357, 146-158.	6.5	42
44	Nanotoxicity of Silver Nanoparticles on HEK293T Cells: A Combined Study Using Biomechanical and Biological Techniques. <i>ACS Omega</i> , 2018, 3, 6770-6778.	1.6	42
45	CRISPR/Cas9 based genome engineering of zebrafish using a seamless integration strategy. <i>FASEB Journal</i> , 2018, 32, 5132-5142.	0.2	25
46	Mechanistic toxicity of DEHP at environmentally relevant concentrations (ERCs) and ecological risk assessment in the Three Gorges Reservoir Area, China. <i>Environmental Pollution</i> , 2018, 242, 1939-1949.	3.7	38
47	Potential adverse outcome pathway (AOP) of silver nanoparticles mediated reproductive toxicity in zebrafish. <i>Chemosphere</i> , 2018, 207, 320-328.	4.2	48
48	Environmental Concerns and Toxicogenetic Endpoints of Priority Substances (PSs) and Contaminants of Emerging Concerns (CECs): A Comprehensive Review. <i>American Journal of Environmental Sciences</i> , 2018, 14, 129-155.	0.3	3
49	New toxicogenetic insights and ranking of the selected pharmaceuticals belong to the three different classes: A toxicity estimation to confirmation approach. <i>Aquatic Toxicology</i> , 2018, 201, 151-161.	1.9	11
50	Deletion of mstna and mstnb impairs the immune system and affects growth performance in zebrafish. <i>Fish and Shellfish Immunology</i> , 2018, 72, 572-580.	1.6	40
51	Health hazards of child labor in the leather products and surgical instrument manufacturing industries of Sialkot, Pakistan. <i>Environmental Pollution</i> , 2017, 226, 198-211.	3.7	22
52	Perturbation effect of reduced graphene oxide quantum dots (rGOQDs) on aryl hydrocarbon receptor (AhR) pathway in zebrafish. <i>Biomaterials</i> , 2017, 133, 49-59.	5.7	44
53	Molecular cloning, characterization and expression analysis of heat shock protein 90 in albino northern snakehead <i>Channa argus</i> . <i>Gene</i> , 2017, 626, 173-181.	1.0	13
54	Graphene oxide nanosheets induce DNA damage and activate the base excision repair (BER) signaling pathway both in vitro and in vivo. <i>Chemosphere</i> , 2017, 184, 795-805.	4.2	54

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55	Diverse toxicological risks of PAHs in surface water with an impounding level of 175 m in the Three Gorges Reservoir Area, China. <i>Science of the Total Environment</i> , 2017, 580, 1085-1096.	3.9	30
56	Potential health risk of heavy metals in the leather manufacturing industries in Sialkot, Pakistan. <i>Scientific Reports</i> , 2017, 7, 8848.	1.6	48
57	Role of human DNA2 (hDNA2) as a potential target for cancer and other diseases: A systematic review. <i>DNA Repair</i> , 2017, 59, 9-19.	1.3	20
58	A novel forward osmosis system in landfill leachate treatment for removing polycyclic aromatic hydrocarbons and for direct fertigation. <i>Chemosphere</i> , 2017, 168, 112-121.	4.2	34
59	Recent Status of Fishes in the Yangtze River and its Ecological Health Assessment. <i>American Journal of Environmental Sciences</i> , 2016, 12, 86-93.	0.3	7
60	The Status of Pollutants in the Three Gorges Reservoir Area, China and its Ecological Health Assessment. <i>American Journal of Environmental Sciences</i> , 2016, 12, 308-316.	0.3	3
61	Toxicological characterization of a novel wastewater treatment process using EDTA-Na ₂ Zn as draw solution (DS) for the efficient treatment of MBR-treated landfill leachate. <i>Chemosphere</i> , 2016, 155, 100-108.	4.2	12
62	Toxicity and oxidative stress induced by chromium in workers exposed from different occupational settings around the globe: A review. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20151-20167.	2.7	65
63	In vivo characterization of hair and skin derived carbon quantum dots with high quantum yield as long-term bioprobes in zebrafish. <i>Scientific Reports</i> , 2016, 6, 37860.	1.6	44
64	A novel technique based on in vitro oocyte injection to improve CRISPR/Cas9 gene editing in zebrafish. <i>Scientific Reports</i> , 2016, 6, 34555.	1.6	25
65	Monitoring tetracycline through a solid-state nanopore sensor. <i>Scientific Reports</i> , 2016, 6, 27959.	1.6	17
66	Zebrafish Model for Safety and Toxicity Testing of Nutraceuticals. , 2016, , 333-339.		4
67	Investigation of a genetic algorithm based cubic spline smoothing for baseline correction of Raman spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 152, 1-9.	1.8	32
68	The Effects of Disturbance on Hypothalamus-Pituitary-Thyroid (HPT) Axis in Zebrafish Larvae after Exposure to DEHP. <i>PLoS ONE</i> , 2016, 11, e0155762.	1.1	74
69	Zebrafish as a model system to study toxicology. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 11-17.	2.2	404
70	Zebrafish as a model system to study DNA damage and repair. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 743-744, 151-159.	0.4	68
71	Distinct Neuroblastoma-associated Alterations of PHOX2B Impair Sympathetic Neuronal Differentiation in Zebrafish Models. <i>PLoS Genetics</i> , 2013, 9, e1003533.	1.5	55
72	The ALKF1174L Mutation Potentiates the Oncogenic Activity of MYCN in Neuroblastoma. <i>Cancer Cell</i> , 2012, 22, 117-130.	7.7	270

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73	A novel regulatory circuit in base excision repair involving AP endonuclease 1, Creb1 and DNA polymerase β . <i>Nucleic Acids Research</i> , 2011, 39, 3156-3165.	6.5	26
74	Comparative expression of zebrafish <i>lats1</i> and <i>lats2</i> and their implication in gastrulation movements. <i>Developmental Dynamics</i> , 2009, 238, 2850-2859.	0.8	12
75	Identification of a novel gene K23 over-expressed in fish cross-subfamily cloned embryos. <i>Molecular Biology Reports</i> , 2009, 36, 1375-1380.	1.0	2
76	Construction of cytoplasmic molecular markers distinguishing <i>Danio rerio</i> from <i>Gobiocypris rarus</i> at high identity domains based on MP-PCR strategy and Sybr Green I detection. <i>Molecular Biology Reports</i> , 2008, 35, 45-50.	1.0	5
77	Inhibition of no tail (ntl) gene expression in zebrafish by external guide sequence (EGS) technique. <i>Molecular Biology Reports</i> , 2008, 35, 139-143.	1.0	13
78	Identification and characterization of a novel gene differentially expressed in zebrafish cross-subfamily cloned embryos. <i>BMC Developmental Biology</i> , 2008, 8, 29.	2.1	15
79	Cloning and characterization of cytochrome c oxidase subunit I (COXI) in <i>Gobiocypris rarus</i> . <i>DNA Sequence</i> , 2007, 18, 1-8.	0.7	4
80	Zebrafish GAPDH can be used as a reference gene for expression analysis in cross-subfamily cloned embryos. <i>Analytical Biochemistry</i> , 2007, 363, 291-293.	1.1	31