Ki-Tae Kim

List of Publications by Year in Descending Order

68 papers	1,514 citations	22 h-index	37 g-index
72 ext. papers	1,885 ext. citations	6.5 avg, IF	5.1 L-index

#	Paper	IF	Citations
68	A Practical Hydrazine-Carbothioamide-Based Fluorescent Probe for the Detection of Zn2+: Applications to Paper Strip, Zebrafish and Water Samples. *Chemosensors*, **2022**, 10, 32	4	1
67	A solvent-dependent dual chemosensor for detecting Zn2+ and Hg2+ based on thiophene and thiourea functional groups by fluorescence turn-on. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 428, 113882	4.7	0
66	An NBD-based fluorescent and colorimetric chemosensor for detecting S: Practical application to zebrafish and water samples.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy* , **2022**, 276, 121207	4.4	0
65	A benzothiazole-based fluorescent and colorimetric probe for the detection of ClO and its application to zebrafish and water sample.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 270, 120827	4.4	1
64	A Novel Thiosemicarbazide-Based Fluorescent Chemosensor for Hypochlorite in Near-Perfect Aqueous Solution and Zebrafish. *Chemosensors*, **2021**, 9, 65	4	2
63	Exposure to a low concentration of mixed organochlorine pesticides impairs glucose metabolism and mitochondrial function in L6 myotubes and zebrafish. *Journal of Hazardous Materials*, **2021**, 414, 125437	12.8	5
62	Effects of the chorion on the developmental toxicity of organophosphate esters in zebrafish embryos. *Journal of Hazardous Materials*, **2021**, 401, 123389	12.8	16
61	Differential mitochondrial dysregulation by exposure to individual organochlorine pesticides (OCPs) and their mixture in zebrafish embryos. *Environmental Pollution*, **2021**, 277, 115904	9.3	4
60	Mechanisms and effects of zinc oxide nanoparticle transformations on toxicity to zebrafish embryos. *Environmental Science: Nano*, **2021**, 8, 1690-1700	7.1	1
59	Advantages of omics technology for evaluating cadmium toxicity in zebrafish. *Toxicological Research*, **2021**, 37, 395-403	3.7	1
58	Nonmonotonic response of type 2 diabetes by low concentration organochlorine pesticide mixture: Findings from multi-omics in zebrafish. *Journal of Hazardous Materials*, **2021**, 416, 125956	12.8	2
57	Mixed Exposure of Persistent Organic Pollutants Alters Oxidative Stress Markers and Mitochondrial Function in the Tail of Zebrafish Depending on Sex. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3
56	A selective fluorescence sensor for hypochlorite used for the detection of hypochlorite in zebrafish. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 261, 120059	4.4	1
55	Nano-QTTR development for interspecies aquatic toxicity of silver nanoparticles between daphnia and fish. *Chemosphere*, **2021**, 283, 131164	8.4	2
54	Integrated multi-omics analysis reveals the underlying molecular mechanism for developmental neurotoxicity of perfluorooctanesulfonic acid in zebrafish. *Environment International*, **2021**, 157, 106802	12.9	6
53	Detecting and bioimaging of hypochlorite by a conjugated fluorescent chemosensor based on thioamide. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 421, 113531	4.7	1
52	Comparative Analysis of Neurotoxicity of Six Phthalates in Zebrafish Embryos. *Toxics*, **2021**, 9,	4.7	10

51	Predicting PBT and CMR properties of substances of very high concern (SVHCs) using QSAR models, and application for K-REACH. *Toxicology Reports*, **2020**, 7, 995-1000	4.8	2
50	A thiourea-based fluorescent chemosensor for bioimaging hypochlorite. *Journal of Industrial and Engineering Chemistry*, **2020**, 89, 436-441	6.3	9
49	miR-137 and miR-141 regulate tail defects in zebrafish embryos caused by triphenyl phosphate (TPHP). *Environmental Pollution*, **2020**, 262, 114286	9.3	6
48	Developing a new chemosensor targeting zinc ion based on two types of quinoline platform. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 241, 118652	4.4	11
47	Detection of zinc (II) and hypochlorite by a thiourea-based chemosensor via two emission channels and its application in vivo. *Microchemical Journal*, **2020**, 155, 104788	4.8	10
46	Sensing of zinc ions and sulfide using a highly practical and water-soluble fluorescent sensor: applications in test kits and zebrafish. *New Journal of Chemistry*, **2020**, 44, 442-449	3.6	13
45	Low-concentration exposure to organochlorine pesticides (OCPs) in L6 myotubes and RIN-m5F pancreatic beta cells induces disorders of glucose metabolism. *Toxicology in Vitro*, **2020**, 65, 104767	3.6	9
44	A benzyl carbazate-based fluorescent chemosensor for detecting Zn: Application to zebrafish. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 228, 117787	4.4	12
43	Ratiometric fluorescence In3+ sensing via In3+-triggered tautomerization: Its applications to water samples, live cells and zebrafish. *Dyes and Pigments*, **2020**, 183, 108704	4.6	4
42	An Acridine-Based Fluorescent Sensor for Monitoring ClO in Water Samples and Zebrafish. *Sensors*, **2020**, 20,	3.8	8
41	Global Proteomic Analysis of Lysine Succinylation in Zebrafish (). *Journal of Proteome Research*, **2019**, 18, 3762-3769	5.6	5
40	A dual-response sensor based on NBD for the highly selective determination of sulfide in living cells and zebrafish. *New Journal of Chemistry*, **2019**, 43, 4029-4035	3.6	5
39	Optimization of experimental conditions and measurement of oxygen consumption rate (OCR) in zebrafish embryos exposed to organophosphate flame retardants (OPFRs). *Ecotoxicology and Environmental Safety*, **2019**, 182, 109377	7	9
38	Fluorescent determination of zinc by a quinoline-based chemosensor in aqueous media and zebrafish. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 219, 74-82	4.4	27
37	Profiling of Histidine Phosphoproteome in Danio rerio by TiO Enrichment. *Proteomics*, **2019**, 19, e1800418	4	7
36	Comparative analysis of endocrine disrupting effects of major phthalates in employed two cell lines (MVLN and H295R) and embryonic zebrafish assay. *Environmental Research*, **2019**, 172, 319-325	7.9	27
35	A Novel Benzimidazole-Based Fluorescence Probe for Detecting Zinc Ion in Aqueous Solution and Zebrafish. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 961-966	5.1	13
34	Tris(1,3-dichloro-2-propyl)phosphate (TDCIPP) disrupts zebrafish tail fin development. *Ecotoxicology and Environmental Safety*, **2019**, 182, 109449	7	7

33	Synthesis of MgAC-FeO/TiO hybrid nanocomposites via sol-gel chemistry for water treatment by photo-Fenton and photocatalytic reactions. *Scientific Reports*, **2019**, 9, 11855	4.9	14
32	Selective chemosensor capable of sensing both CN and Zn2+: Its application to zebrafish. *Sensors and Actuators B: Chemical*, **2019**, 297, 126814	8.5	10
31	Highly Sensitive Dansyl-Based Chemosensor for Detection of Cu in Aqueous Solution and Zebrafish. *ACS Omega*, **2019**, 4, 12537-12543	3.9	19
30	Relay detection of Zn2+ and S2 by a quinoline-based fluorescent chemosensor in aqueous media and zebrafish. *Dyes and Pigments*, **2019**, 165, 264-272	4.6	17
29	A Novel Thiophene-Based Fluorescent Chemosensor for the Detection of Zn and CN: Imaging Applications in Live Cells and Zebrafish. *Sensors*, **2019**, 19,	3.8	11
28	A novel off-on type fluorescent chemosensor for detection of Zn2+ and its zinc complex for on-off fluorescent sensing of sulfide in aqueous solution, in vitro and in vivo. *Sensors and Actuators B: Chemical*, **2018**, 267, 58-69	8.5	35
27	A water-soluble fluorescence chemosensor for the sequential detection of Zn2+ and pyrophosphate in living cells and zebrafish. *Dyes and Pigments*, **2018**, 152, 131-138	4.6	31
26	Predicting PM concentration in Seoul metropolitan subway stations using artificial neural network (ANN). *Journal of Hazardous Materials*, **2018**, 341, 75-82	12.8	80
25	Comparative proteomics of Zebrafish liver in 5 POPs mixture exposure. *FASEB Journal*, **2018**, 32, 692.13	0.9	
24	Plausibility of the zebrafish embryos/larvae as an alternative animal model for autism: A comparison study of transcriptome changes. *PLoS ONE*, **2018**, 13, e0203543	3.7	6
23	Bisphenol A exposure through receipt handling and its association with insulin resistance among female cashiers. *Environment International*, **2018**, 117, 268-275	12.9	23
22	Effects of chronic exposure to cefadroxil and cefradine on Daphnia magna and Oryzias latipes. *Chemosphere*, **2017**, 185, 844-851	8.4	13
21	Residual weakly bound ligands influence biological compatibility of mixed ligand shell, thiol-stabilized gold nanoparticles. *Environmental Science: Nano*, **2017**, 4, 1634-1646	7.1	4
20	Migration of DEHP and DINP into dust from PVC flooring products at different surface temperature. *Science of the Total Environment*, **2016**, 547, 441-446	10.2	38
19	Effects of tris(2-butoxyethyl) phosphate exposure on endocrine systems and reproduction of zebrafish (Danio rerio). *Environmental Pollution*, **2016**, 214, 568-574	9.3	31
18	Cloning metallothionein gene in Zacco platypus and its potential as an exposure biomarker against cadmium. *Environmental Monitoring and Assessment*, **2015**, 187, 447	3.1	3
17	A multivariate study for characterizing particulate matter (PM(10), PM(2.5), and PM(1)) in Seoul metropolitan subway stations, Korea. *Journal of Hazardous Materials*, **2015**, 297, 295-303	12.8	65
16	Acute and chronic response of Daphnia magna exposed to TiO2 nanoparticles in agitation system. *Bulletin of Environmental Contamination and Toxicology*, **2014**, 93, 456-60	2.7	9

15	Bioconcentration and distribution of silver nanoparticles in Japanese medaka (Oryzias latipes). *Journal of Hazardous Materials*, **2014**, 267, 206-13	12.8	26
14	The role of chorion on toxicity of silver nanoparticles in the embryonic zebrafish assay. *Environmental Health and Toxicology*, **2014**, 29, e2014021	0.7	76
13	Developmental toxicity of Japanese medaka embryos by silver nanoparticles and released ions in the presence of humic acid. *Ecotoxicology and Environmental Safety*, **2013**, 92, 57-63	7	51
12	Integrating zebrafish toxicology and nanoscience for safer product development. *Green Chemistry*, **2013**, 15, 872-880	10	21
11	Silver nanoparticle toxicity in the embryonic zebrafish is governed by particle dispersion and ionic environment. *Nanotechnology*, **2013**, 24, 115101	3.4	70
10	Gold nanoparticles disrupt zebrafish eye development and pigmentation. *Toxicological Sciences*, **2013**, 133, 275-88	4.4	121
9	Embryonic toxicity changes of organic nanomaterials in the presence of natural organic matter. *Science of the Total Environment*, **2012**, 426, 423-9	10.2	25
8	Biochemical effects of veterinary antibiotics on proliferation and cell cycle arrest of human HEK293 cells. *Bulletin of Environmental Contamination and Toxicology*, **2012**, 89, 234-9	2.7	1
7	Biotoxicity of nanoparticles: effect of natural organic matter. *Journal of Nanoparticle Research*, **2011**, 13, 3051-3061	2.3	66
6	Oxidative stress responses of Daphnia magna exposed to TiO(2) nanoparticles according to size fraction. *Science of the Total Environment*, **2010**, 408, 2268-72	10.2	177
5	Effect of preparation methods on toxicity of fullerene water suspensions to Japanese medaka embryos. *Science of the Total Environment*, **2010**, 408, 5606-12	10.2	40
4	Acute toxicity of a mixture of copper and single-walled carbon nanotubes to Daphnia magna. *Environmental Toxicology and Chemistry*, **2010**, 29, 122-6	3.8	57
3	Influence of multiwalled carbon nanotubes dispersed in natural organic matter on speciation and bioavailability of copper. *Environmental Science & Technology*, **2009**, 43, 8979-84	10.3	76
2	Combined toxicity of copper and phenol derivatives to Daphnia magna: effect of complexation reaction. *Environment International*, **2006**, 32, 487-92	12.9	34
1	Estimating the combined effects of copper and phenol to nitrifying bacteria in wastewater treatment plants. *Water Research*, **2006**, 40, 561-8	12.5	23