

# Sang Don Kim

## List of Publications by Year in descending order

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56  
papers

2,087  
citations

218677

26  
h-index

233421

45  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential toxicities of fine particulate matters from various sources. <i>Scientific Reports</i> , 2018, 8, 17007.	3.3	233
2	Effect of kinetics of complexation by humic acid on toxicity of copper to <i>Ceriodaphnia dubia</i> . <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 828-837.	4.3	162
3	Estrogenic chemicals and estrogenicity in river waters of South Korea and seven Asian countries. <i>Chemosphere</i> , 2010, 78, 286-293.	8.2	147
4	Influence of dissolved organic matter on the toxicity of copper to <i>Ceriodaphnia dubia</i> : Effect of complexation kinetics. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2433-2437.	4.3	117
5	Bioaccumulation of Perfluorochemicals in Pacific Oyster under Different Salinity Gradients. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2695-2701.	10.0	98
6	The effect of suspended particles coated by humic acid on the toxicity of pharmaceuticals, estrogens, and phenolic compounds. <i>Environment International</i> , 2008, 34, 184-192.	10.0	80
7	Biotoxicity of nanoparticles: effect of natural organic matter. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3051-3061.	1.9	73
8	EFFECT OF KINETICS OF COMPLEXATION BY HUMIC ACID ON TOXICITY OF COPPER TO CERIODAPHNIA DUBIA. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 828.	4.3	73
9	Comparative sorption isotherms and removal studies for Pb(II) by physical and thermochemical modification of low-cost agro-wastes from Tanzania. <i>Chemosphere</i> , 2018, 195, 135-145.	8.2	70
10	Citrate coated silver nanoparticles change heavy metal toxicities and bioaccumulation of <i>Daphnia magna</i> . <i>Chemosphere</i> , 2016, 143, 99-105.	8.2	57
11	Aqueous and dietary bioaccumulation of antibiotic tetracycline in <i>D. magna</i> and its multigenerational transfer. <i>Journal of Hazardous Materials</i> , 2014, 279, 428-435.	12.4	54
12	The individual and population effects of tetracycline on <i>Daphnia magna</i> in multigenerational exposure. <i>Ecotoxicology</i> , 2012, 21, 993-1002.	2.4	53
13	ESTIMATING THE COMBINED TOXICITY BY TWO-STEP PREDICTION MODEL ON THE COMPLICATED CHEMICAL MIXTURES FROM WASTEWATER TREATMENT PLANT EFFLUENTS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2107.	4.3	45
14	Comparative Whole Effluent Toxicity Assessment of Wastewater Treatment Plant Effluents using <i>Daphnia magna</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 80, 196-200.	2.7	45
15	Profiling the decomposition products of perfluorooctane sulfonate (PFOS) irradiated using an electron beam. <i>Science of the Total Environment</i> , 2018, 631-632, 1295-1303.	8.0	45
16	Multigenerational effect of perfluorooctane sulfonate (PFOS) on the individual fitness and population growth of <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2016, 569-570, 1553-1560.	8.0	44
17	Effect of preparation methods on toxicity of fullerene water suspensions to Japanese medaka embryos. <i>Science of the Total Environment</i> , 2010, 408, 5606-5612.	8.0	42
18	Implications of rainfall variability for seasonality and climate-induced risks concerning surface water quality in East Asia. <i>Journal of Hydrology</i> , 2011, 400, 323-332.	5.4	41

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19	Combined toxicity of copper and phenol derivatives to <i>Daphnia magna</i> : Effect of complexation reaction. <i>Environment International</i> , 2006, 32, 487-492.	10.0	40
20	Relationship between trans-generational effects of tetracycline on <i>Daphnia magna</i> at the physiological and whole organism level. <i>Environmental Pollution</i> , 2014, 191, 111-118.	7.5	40
21	Characteristics and health effects of PM2.5 emissions from various sources in Gwangju, South Korea. <i>Science of the Total Environment</i> , 2019, 696, 133890.	8.0	36
22	Multigenerational Effects of the Antibiotic Tetracycline on Transcriptional Responses of <i>Daphnia magna</i> and Its Relationship to Higher Levels of Biological Organizations. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12898-12907.	10.0	34
23	Embryonic toxicity changes of organic nanomaterials in the presence of natural organic matter. <i>Science of the Total Environment</i> , 2012, 426, 423-429.	8.0	30
24	Effect of copper binding by suspended particulate matter on toxicity. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 710-714.	4.3	27
25	Multi-generational effects of propranolol on <i>Daphnia magna</i> at different environmental concentrations. <i>Environmental Pollution</i> , 2015, 206, 188-194.	7.5	27
26	Sorption of Estrogens onto Different Fractions of Sediment and Its Effect on Vitellogenin Expression in Male Japanese Medaka. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 59, 147-156.	4.1	26
27	Mode of action characterization for adverse effect of propranolol in <i>Daphnia magna</i> based on behavior and physiology monitoring and metabolite profiling. <i>Environmental Pollution</i> , 2018, 233, 99-108.	7.5	26
28	Effect of dissolved organic matter on the growth of algae, <i>Pseudokirchneriella subcapitata</i> , in Korean lakes: The importance of complexation reactions. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 335-343.	6.0	25
29	Determination of toxic organic pollutants in fine particulate matter using selective pressurized liquid extraction and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1590, 39-46.	3.7	24
30	Application of toxicity identification evaluation procedure to toxic industrial effluent in South Korea. <i>Chemosphere</i> , 2016, 143, 71-77.	8.2	23
31	Bioaccumulation and biotransformation of the beta-blocker propranolol in multigenerational exposure to <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2016, 216, 811-818.	7.5	21
32	Identification of biotransformation products of organophosphate ester from various aquatic species by suspect and non-target screening approach. <i>Water Research</i> , 2021, 200, 117201.	11.3	20
33	Role of food and clay particles in toxicity of copper and diazinon using <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 400-406.	6.0	18
34	Characterizing biotransformation products and pathways of the flame retardant triphenyl phosphate in <i>Daphnia magna</i> using non-target screening. <i>Science of the Total Environment</i> , 2020, 708, 135106.	8.0	18
35	Physicochemical factors affecting the sensitivity of <i>Ceriodaphnia dubia</i> to copper. <i>Environmental Monitoring and Assessment</i> , 2001, 70, 105-116.	2.7	17
36	Developing and applying a site-specific multimedia fate model to address ecological risk of oxytetracycline discharged with aquaculture effluent in coastal waters off Jangheung, Korea. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 221-226.	6.0	14

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37	Effect of $\beta$ -adrenergic receptor agents on cardiac structure and function and whole-body gene expression in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2018, 241, 869-878.	7.5	14
38	Damage Assessment of Rice Crop after Toluene Exposure Based on the Vegetation Index (VI) and UAV Multispectral Imagery. <i>Remote Sensing</i> , 2021, 13, 25.	4.0	13
39	Evaluation of remediation processes for explosive-contaminated soils: kinetics and Microtox bioassay. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 928-937.	3.2	12
40	Application of various cytotoxic endpoints for the toxicity prioritization of fine dust (PM2.5) sources using a multi-criteria decision-making approach. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1775-1788.	3.4	12
41	Development of a multiresidue method for the determination of multiclass pesticides in soil using GC. <i>Biomedical Chromatography</i> , 2010, 24, 893-901.	1.7	10
42	Derivation of Predicted No Effect Concentrations (PNECs) for Heavy Metals in Freshwater Organisms in Korea Using Species Sensitivity Distributions (SSDs). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 697.	2.0	10
43	Development and validation of a multiresidue method for determination of 37 pesticides in soil using GC-MS. <i>Biomedical Chromatography</i> , 2011, 25, 1003-1009.	1.7	9
44	Sorption and toxicity reduction of pharmaceutically active compounds and endocrine disrupting chemicals in the presence of colloidal humic acid. <i>Water Science and Technology</i> , 2016, 74, 904-913.	2.5	8
45	Organophosphate esters in Great Lakes fish: An improved analysis to assess concentrations and human exposure via consumption. <i>Science of the Total Environment</i> , 2022, 807, 150981.	8.0	7
46	Chemical accidents in freshwater: Development of forecasting system for drinking water resources. <i>Journal of Hazardous Materials</i> , 2022, 432, 128714.	12.4	7
47	Determination of conjugated estrogens in human urine using carrier-mediated hollow-fiber liquid phase microextraction and LC-MS/MS. <i>Desalination and Water Treatment</i> , 2016, 57, 16024-16033.	1.0	6
48	Validation of a biotic ligand model on site-specific copper toxicity to <i>Daphnia magna</i> in the Yeongsan River, Korea. <i>Ecotoxicology and Environmental Safety</i> , 2018, 149, 108-115.	6.0	6
49	Cytotoxicity induced by the mixture components of nickel and poly aromatic hydrocarbons. <i>Environmental Geochemistry and Health</i> , 2019, 41, 391-400.	3.4	6
50	Reduction and persulfate oxidation of nitro explosives in contaminated soils using Fe-bearing materials. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 863-871.	3.5	4
51	Prediction of Cd toxicity to <i>Daphnia magna</i> in the mixture of multi-walled carbon nanotubes and kaolinite. <i>Environmental Geochemistry and Health</i> , 2019, 41, 2011-2021.	3.4	4
52	The application of hollow fibre-liquid phase micro-extraction on the bioassay experiment of oestrogen chemicals. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 255-267.	3.3	3
53	Coupling of the AQUATOX and EFDC Models for Ecological Impact Assessment of Chemical Spill Scenarios in the Jeonju River, Korea. <i>Biology</i> , 2020, 9, 340.	2.8	3
54	Application of a Solid Ceramic Membrane for Monitoring Volatile Organic Compounds in Industrial Wastewater. <i>Membranes</i> , 2020, 10, 186.	3.0	3

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55	Assessment of RNA extraction protocols from cladocerans. PLoS ONE, 2022, 17, e0264989.	2.5	3
56	Identification and Toxicity Prediction of Biotransformation Molecules of Organophosphate Flame Retardants by Microbial Reactions in a Wastewater Treatment Plant. International Journal of Molecular Sciences, 2021, 22, 5376.	4.1	2