Tae-Hun Kim

List of Publications by Year
in descending order

22	597	759233 12	677142 22
papers	citations	h-index	g-index

22	22	22	815
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Degradation and toxicity assessment of sulfamethoxazole and chlortetracycline using electron beam, ozone and UV. Journal of Hazardous Materials, 2012, 227-228, 237-242.	12.4	109
2	A comparative study of disinfection efficiency and regrowth control of microorganism in secondary wastewater effluent using UV, ozone, and ionizing irradiation process. Journal of Hazardous Materials, 2015, 295, 201-208.	12.4	94
3	Degradation of sulfamethoxazole by ionizing radiation: Identification and characterization of radiolytic products. Chemical Engineering Journal, 2017, 313, 556-566.	12.7	93
4	Decomposition of perfluorooctane sulfonate (PFOS) using a hybrid process with electron beam and chemical oxidants. Chemical Engineering Journal, 2019, 361, 1363-1370.	12.7	74
5	Profiling the decomposition products of perfluorooctane sulfonate (PFOS) irradiated using an electron beam. Science of the Total Environment, 2018, 631-632, 1295-1303.	8.0	45
6	Photolytic degradation of sulfamethoxazole and trimethoprim using UV-A, UV-C and vacuum-UV (VUV). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 292-300.	1.7	22
7	Enhanced Biodegradability of Pharmaceuticals and Personal Care Products by Ionizing Radiation. Water Environment Research, 2015, 87, 321-325.	2.7	22
8	Reduction of toxicity of antimicrobial compounds by degradation processes using activated sludge, gamma radiation, and UV. Chemosphere, 2013, 93, 2480-2487.	8.2	21
9	Bioaccumulation and biotransformation of the beta-blocker propranolol in multigenerational exposure to Daphnia magna. Environmental Pollution, 2016, 216, 811-818.	7.5	21
10	Oxidation of methylated arsenic species by UV/S2O82â˜. Chemical Engineering Journal, 2011, 173, 290-295.	12.7	19
11	Bacteriophage removal in various clay minerals and clay-amended soils. Environmental Engineering Research, 2015, 20, 133-140.	2.5	14
12	A preliminary study on effect of additive in the removal of NOx and SO2 by electron beam irradiation. Chemical Engineering Journal, 2020, 387, 124083.	12.7	13
13	Reaction kinetics and degradation efficiency of halogenated methylparabens during ozonation and UV/H2O2 treatment of drinking water and wastewater effluent. Journal of Hazardous Materials, 2022, 427, 127878.	12.4	10
14	Pyrosequencing-based assessment of microbial community shifts in leachate from animal carcass burial lysimeter. Science of the Total Environment, 2017, 587-588, 232-239.	8.0	7
15	Treatment of toluene and its by-products using an electron beam/ultra-fine bubble hybrid system. Radiation Physics and Chemistry, 2018, 144, 367-372.	2.8	7
16	Transport and removal of bacteriophages MS2 and PhiX174 in steel slag-amended soils: column experiments and transport model analyses. Environmental Technology (United Kingdom), 2014, 35, 1199-1207.	2.2	6
17	Deterioration of denitrification by oxygen and cost evaluation of electron donor in an uncovered pre-denitrification process. Korean Journal of Chemical Engineering, 2012, 29, 1196-1202.	2.7	5
18	A study on additives to improve electron beam technology for NOx and SO2 reduction. Radiation Physics and Chemistry, 2021, 183, 109397.	2.8	4

#	Article	IF	Citations
19	Treatment of Hydrogen Fluoride Generated from the F-gases Decomposition Processes. Asian Journal of Atmospheric Environment, 2016, 10, 190-196.	1.1	4
20	Characteristics of aerosol by-products generated from sulfur hexafluoride treatment using ionizing energy. Journal of Cleaner Production, 2017, 159, 281-289.	9.3	3
21	Removal of NOx using electron beam process with NaOH spraying. Nuclear Engineering and Technology, 2022, 54, 486-492.	2.3	3
22	Use of converter furnace steel slag for bacteria removal in flow-through columns. Desalination and Water Treatment, 2013, 51, 7681-7689.	1.0	1