# Wei-Hsiang Chen

List of Publications by Year
in descending order

| 30 papers | 625 citations | 623188 14 h-index | 610482 24 g-index |
|---|---|---|---|
| 30 all docs | 30 docs citations | 30 times ranked | 830 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | NDMA Formation during Chlorination and Chloramination of Aqueous Diuron Solutions. Environmental Science &amp; Technology, 2008, 42, 1072-1077. | 4.6 | 119 |
| 2 | Influence of nitrogen source on NDMA formation during chlorination of diuron. Water Research, 2009, 43, 3047-3056. | 5.3 | 50 |
| 3 | Removals of pharmaceuticals in municipal wastewater using a staged anaerobic fluidized membrane bioreactor. International Biodeterioration and Biodegradation, 2019, 140, 29-36. | 1.9 | 38 |
| 4 | Investigating the differences between receptor and dispersion modeling for concentration prediction and health risk assessment of volatile organic compounds from petrochemical industrial complexes. Journal of Environmental Management, 2016, 166, 440-449. | 3.8 | 34 |
| 5 | Comparative assessments of VOC emission rates and associated health risks from wastewater treatment processes. Journal of Environmental Monitoring, 2012, 14, 2464. | 2.1 | 33 |
| 6 | Formation and fates of nitrosamines and their formation potentials from a surface water source to drinking water treatment plants in Southern Taiwan. Chemosphere, 2016, 161, 546-554. | 4.2 | 28 |
| 7 | Enhanced photocatalytic oxidation of gaseous elemental mercury by $TiO_2$ in a high temperature environment. Journal of Hazardous Materials, 2015, 289, 235-243. | 6.5 | 27 |
| 8 | Different influences of nanopore dimension and pH between chlorpheniramine adsorptions on graphene oxide-iron oxide suspension and particle. Chemical Engineering Journal, 2017, 307, 447-455. | 6.6 | 27 |
| 9 | Assessing the altitude effect on distributions of volatile organic compounds from different sources by principal component analysis. Environmental Sciences: Processes and Impacts, 2013, 15, 972. | 1.7 | 25 |
| 10 | Fates of chlorinated volatile organic compounds in aerobic biological treatment processes: The effects of aeration and sludge addition. Chemosphere, 2014, 103, 92-98. | 4.2 | 25 |
| 11 | Underestimated public health risks caused by overestimated VOC removal in wastewater treatment processes. Environmental Sciences: Processes and Impacts, 2014, 16, 271-279. | 1.7 | 24 |
| 12 | Catalytic degradation of chlorpheniramine over $GO-Fe_3O_4$ in the presence of $H_2O_2$ in water: The synergistic effect of adsorption. Science of the Total Environment, 2020, 736, 139468. | 3.9 | 22 |
| 13 | Influences of Aeration and Biological Treatment on the Fates of Aromatic VOCs in Wastewater Treatment Processes. Aerosol and Air Quality Research, 2013, 13, 225-236. | 0.9 | 21 |
| 14 | Impact of pre-oxidation on nitrosamine formation from a source to drinking water: A perspective on cancer risk assessment. Chemical Engineering Research and Design, 2018, 113, 424-434. | 2.7 | 15 |
| 15 | Novel $MoS_2$ quantum dots as a highly efficient visible-light driven photocatalyst in water remediation. RSC Advances, 2020, 10, 31794-31799. | 1.7 | 14 |
| 16 | Removal of Trihalomethanes and Haloacetic Acids from Treated Drinking Water by Biological Activated Carbon Filter. Water, Air, and Soil Pollution, 2014, 225, 1. | 1.1 | 13 |
| 17 | Multivariate analysis of effects of diurnal temperature and seasonal humidity variations by tropical savanna climate on the emissions of anthropogenic volatile organic compounds. Science of the Total Environment, 2014, 470-471, 311-323. | 3.9 | 13 |
| 18 | Comparing volatile organic compound emissions during equalization in wastewater treatment between the flux-chamber and mass-transfer methods. Chemical Engineering Research and Design, 2017, 109, 410-419. | 2.7 | 13 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Removal of chlorpheniramine and variations of nitrosamine formation potentials in municipal wastewaters by adsorption onto the GO-Fe3O4. Environmental Science and Pollution Research, 2019, 26, 20701-20711. | 2.7 | 12 |
| 20 | The competitive effect of different chlorination disinfection methods and additional inorganic nitrogen on nitrosamine formation from aromatic and heterocyclic amine-containing pharmaceuticals. Chemosphere, 2021, 267, 128922. | 4.2 | 11 |
| 21 | Effect of molecular characteristics on the formation of nitrosamines during chlor(am)ination of phenylurea herbicides. Environmental Sciences: Processes and Impacts, 2015, 17, 2092-2100. | 1.7 | 9 |
| 22 | Toward better understanding and feasibility of controlling greenhouse gas emissions from treatment of industrial wastewater with activated sludge. Environmental Science and Pollution Research, 2016, 23, 20449-20461. | 2.7 | 9 |
| 23 | Influence of emulsified biodiesel on the emission and health risk of polycyclic aromatic hydrocarbons in the vapor and particulate phases during engine combustion. Environmental Science and Pollution Research, 2019, 26, 13510-13521. | 2.7 | 9 |
| 24 | Treating Odorous and Nitrogenous Compounds from Waste Composting by Acidic Chlorination Followed by Alkaline Sulfurization. Environmental Engineering Science, 2014, 31, 583-592. | 0.8 | 8 |
| 25 | Variations of N concentrations and microbial community in the start-up of anammox using anaerobic heterotrophic sludge: Influence of a long reaction-phase time and comparison of the efficiencies of attached-versus suspended-growth cultures. Chemosphere, 2022, 287, 132151. | 4.2 | 8 |
| 26 | Temporal and vertical variations of polycyclic aromatic hydrocarbon at low elevations in an industrial city of southern Taiwan. Scientific Reports, 2021, 11, 3453. | 1.6 | 5 |
| 27 | Graphene Family Nanomaterials (GFN)-TiO2 for the Photocatalytic Removal of Water and Air Pollutants: Synthesis, Characterization, and Applications. Nanomaterials, 2021, 11, 3195. | 1.9 | 5 |
| 28 | Adsorption of organic including pharmaceutical and inorganic contaminants in water toward graphene-based materials. , 2020, , 93-113. | | 4 |
| 29 | Influence of water, H2O2, H2SO4, and NaOH filtration on the surface characteristics of a graphene oxide-iron (GO-Fe) membrane. Separation and Purification Technology, 2021, 262, 118317. | 3.9 | 4 |
| 30 | Implications of toxicity testing for health risk assessment of vapor-phase and $PM_{2.5}$-bound polycyclic aromatic hydrocarbons during the diesel engine combustion. Human and Ecological Risk Assessment (HERA), 0, , 1-24. | 1.7 | 0 |