

Ku-Fan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,386
citations

331642

21
h-index

345203

36
g-index

50
all docs

50
docs citations

50
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of persulfate to remediate petroleum hydrocarbon-contaminated soil: Feasibility and comparison with common oxidants. <i>Journal of Hazardous Materials</i> , 2011, 186, 2097-2102.	12.4	191
2	In situ oxidation of petroleum-hydrocarbon contaminated groundwater using passive ISCO system. <i>Water Research</i> , 2011, 45, 2496-2506.	11.3	92
3	Renewable hydrogen generation by bimetallic zero valent iron nanoparticles. <i>Chemical Engineering Journal</i> , 2011, 170, 562-567.	12.7	85
4	Evaluation of natural and enhanced PCP biodegradation at a former pesticide manufacturing plant. <i>Water Research</i> , 2004, 38, 663-672.	11.3	77
5	Remediation of diesel-contaminated soil using <i>in situ</i> chemical oxidation (ISCO) and the effects of common oxidants on the indigenous microbial community: a comparison study. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1877-1888.	3.2	69
6	Development of KMnO ₄ -releasing composites for in situ chemical oxidation of TCE-contaminated groundwater. <i>Water Research</i> , 2014, 54, 149-158.	11.3	55
7	Methyl Tert-Butyl Ether (MTBE) Degradation by Ferrous Ion-Activated Persulfate Oxidation: Feasibility and Kinetics Studies. <i>Water Environment Research</i> , 2009, 81, 687-694.	2.7	54
8	Control of petroleum-hydrocarbon contaminated groundwater by intrinsic and enhanced bioremediation. <i>Journal of Environmental Sciences</i> , 2010, 22, 864-871.	6.1	54
9	Rapid synthesis of Ti-MCM-41 by microwave-assisted hydrothermal method towards photocatalytic degradation of oxytetracycline. <i>Journal of Environmental Sciences</i> , 2016, 44, 76-87.	6.1	49
10	Application of persulfate-releasing barrier to remediate MTBE and benzene contaminated groundwater. <i>Journal of Hazardous Materials</i> , 2011, 185, 1162-1168.	12.4	47
11	Photoelectrochemical oxidation of azo dye and generation of hydrogen via CN co-doped TiO ₂ nanotube arrays. <i>Separation and Purification Technology</i> , 2015, 146, 143-153.	7.9	39
12	Recent Trends in Removal Pharmaceuticals and Personal Care Products by Electrochemical Oxidation and Combined Systems. <i>Water (Switzerland)</i> , 2020, 12, 1043.	2.7	34
13	Intrinsic bioremediation of MTBE-contaminated groundwater at a petroleum-hydrocarbon spill site. <i>Environmental Geology</i> , 2006, 50, 439-445.	1.2	29
14	Nano zerovalent iron particles induce pulmonary and cardiovascular toxicity in an <i>in vitro</i> human co-culture model. <i>Nanotoxicology</i> , 2016, 10, 881-890.	3.0	29
15	The nephrotoxic potential of polystyrene microplastics at realistic environmental concentrations. <i>Journal of Hazardous Materials</i> , 2022, 427, 127871.	12.4	29
16	Natural attenuation of MTBE at two petroleum-hydrocarbon spill sites. <i>Journal of Hazardous Materials</i> , 2005, 125, 10-16.	12.4	28
17	Enhanced photoelectrochemical degradation of Ibuprofen and generation of hydrogen via BiOI-deposited TiO ₂ nanotube arrays. <i>Science of the Total Environment</i> , 2018, 633, 1198-1205.	8.0	27
18	Application of polycolloid-releasing substrate to remediate trichloroethylene-contaminated groundwater: A pilot-scale study. <i>Journal of Hazardous Materials</i> , 2014, 268, 92-101.	12.4	25

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19	Application of Nanoscale Zero-valent Iron (nZVI) to Enhance Microbial Reductive Dechlorination of TCE: A Feasibility Study. <i>Current Nanoscience</i> , 2012, 8, 55-59.	1.2	24
20	Phytoextraction of Cu, Zn, and Pb Enhanced by Chelators with Vetiver (<i>Vetiveria zizanioides</i>): Hydroponic and Pot Experiments. <i>ISRN Ecology</i> , 2012, 2012, 1-12.	1.0	23
21	Pollution Source Investigation and Water Quality Management in the Carp Lake Watershed, Taiwan. <i>Clean - Soil, Air, Water</i> , 2012, 40, 24-33.	1.1	22
22	Green synthesis of nano-silver@titanium nanotube array (Ag/TNA) composite for concurrent ibuprofen degradation and hydrogen generation. <i>Chemosphere</i> , 2021, 264, 128407.	8.2	22
23	A field pilot-scale study on heavy metal-contaminated soil washing by using an environmentally friendly agent—poly- γ -glutamic acid (γ -PGA). <i>Environmental Science and Pollution Research</i> , 2020, 27, 34760-34769.	5.3	21
24	A kinetic and mechanistic study of the degradation of 1,2-dichloroethane and methyl tert-butyl ether using alkaline-activated persulfate oxidation. <i>RSC Advances</i> , 2016, 6, 75578-75587.	3.6	20
25	Remediation of trichloroethene (TCE)-contaminated groundwater by persulfate oxidation: a field-scale study. <i>RSC Advances</i> , 2018, 8, 2433-2440.	3.6	18
26	Enhanced Efficient NIR Photothermal Therapy Using Pleurocidin NRC-03 Peptide-Conjugated Dopamine-Modified Reduced Graphene Oxide Nanocomposite. <i>ACS Omega</i> , 2019, 4, 3298-3305.	3.5	18
27	In vitro renal toxicity evaluation of copper-based metal-organic framework HKUST-1 on human embryonic kidney cells. <i>Environmental Pollution</i> , 2021, 273, 116528.	7.5	18
28	Degradation of trichloroethylene by photoelectrochemically activated persulfate. <i>Chemosphere</i> , 2020, 254, 126796.	8.2	16
29	Development of Biochars Derived from Water Bamboo (<i>Zizania latifolia</i>) Shoot Husks Using Pyrolysis and Ultrasound-Assisted Pyrolysis for the Treatment of Reactive Black 5 (RB5) in Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 1615.	2.7	16
30	Human health-risk assessment based on chronic exposure to the carbonyl compounds and metals emitted by burning incense at temples. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40640-40652.	5.3	15
31	Photocatalytic degradation of Rhodamine B by microwave-assisted hydrothermal synthesized N-doped titanate nanotubes. <i>Journal of Environmental Sciences</i> , 2014, 26, 1505-1512.	6.1	14
32	Biodegradation potential of MTBE and BTEX under aerobic, nitrate reducing, and methanogenic conditions at a gasoline-contaminated site. <i>Desalination and Water Treatment</i> , 2012, 48, 278-284.	1.0	13
33	Environmental concentration of spray paint particulate matters causes pulmonary dysfunction in human normal bronchial epithelial BEAS-2B cell. <i>Chemical Engineering Research and Design</i> , 2019, 126, 250-258.	5.6	13
34	Natural Biodegradation of MTBE Under Different Environmental Conditions: Microcosm and Microbial Identification Studies. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 356-364.	2.7	12
35	A novel three-stage treatment train for the remediation of trichloroethylene-contaminated groundwater. <i>RSC Advances</i> , 2016, 6, 41247-41260.	3.6	11
36	Development of novel persulfate tablets for passive trichloroethylene (TCE)-contaminated groundwater remediation. <i>Chemosphere</i> , 2022, 295, 133906.	8.2	11

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37	Evaluation of the effects of nanoscale zero-valent iron (nZVI) dispersants on intrinsic biodegradation of trichloroethylene (TCE). <i>Water Science and Technology</i> , 2014, 69, 2357-2363.	2.5	10
38	The photocatalytic degradation of methylene blue by green semiconductor films that is induced by irradiation by a light-emitting diode and visible light. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 29-38.	1.9	10
39	The impact of pyrolysis temperature on physicochemical properties and pulmonary toxicity of tobacco stem micro-biochar. <i>Chemosphere</i> , 2021, 263, 128349.	8.2	8
40	Photoinduced antibacterial activity of NRC03 peptide-conjugated dopamine/nano-reduced graphene oxide against <i>Staphylococcus aureus</i> . <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2442-2448.	2.9	7
41	The effect of different in situ chemical oxidation (ISCO) technologies on the survival of indigenous microbes and the remediation of petroleum hydrocarbon-contaminated soil. <i>Chemical Engineering Research and Design</i> , 2022, 163, 105-115.	5.6	7
42	Impacts of Mixing Mode on Photocatalytic Reduction of Hexavalent Chromium over Titanium Dioxide Nanomaterial under Various Environmental Conditions. <i>Water (Switzerland)</i> , 2021, 13, 2291.	2.7	5
43	Impact and Control of Reflected Noise from an Overpass Bottom. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1908.	2.5	4
44	Bioremediation of trichloroethylene-polluted groundwater using emulsified castor oil for slow carbon release and acidification control. <i>Water Environment Research</i> , 2022, 94, e1673.	2.7	4
45	Effect of Operational Parameters on the Removal of Carbamazepine and Nutrients in a Submerged Ceramic Membrane Bioreactor. <i>Membranes</i> , 2022, 12, 420.	3.0	4
46	Dispersant-modified iron nanoparticles for mobility enhancement and TCE degradation: a comparison study. <i>Environmental Science and Pollution Research</i> , 2018, 26, 34157-34166.	5.3	3
47	The Influence of Temperature on Metabolisms of Phosphorus Accumulating Organisms in Biological Wastewater Treatment Plants in the Presence of Cu(II) Toxicity. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1126.	2.5	2
48	Optimized LED-Integrated Agricultural Facilities for Adjusting the Growth of Water Bamboo (<i>Zizania</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	2.5	2
49	Development of Kaoping River Basin Management Strategies Based on Calculated Carrying Capacity. , 2003, , 199.		0
50	Watershed Approach for Controlling Erosion and Non-Point Sources Pollutants to Water Bodies. , 2017, , 797-816.		0