Guangxu Yan

List of Publications by Year
in descending order

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37 papers	1,528 citations	430874 18 h-index	345221 36 g-index
37 all docs	37 docs citations	37 times ranked	2094 citing authors

#	Article	IF	Citations
1	Degradation of benzothiazole pollutant by sulfate radical-based advanced oxidation process. Environmental Technology (United Kingdom), 2022, 43, 2834-2843.	2.2	5
2	Degradation of benzotriazole by sulfate radical-based advanced oxidation process. Environmental Technology (United Kingdom), 2021, 42, 238-247.	2.2	17
3	Comparisons of Four Methods for Measuring Total Petroleum Hydrocarbons and Short-term Weathering Effect in Soils Contaminated by Crude Oil and Fuel Oils. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	5
4	Percarbonate persistence under different water chemistry conditions. Chemical Engineering Journal, 2020, 389, 123422.	12.7	26
5	Characteristics and mechanisms of controlled-release KMnO4 for groundwater remediation: Experimental and modeling investigations. Water Research, 2020, 171, 115385.	11.3	27
6	Flux Chamber Measurements Should Play a More Important Role in Contaminated Site Management. Environmental Science & Technology, 2020, 54, 11645-11647.	10.0	7
7	Vapor Intrusion Investigations and Decision-Making: A Critical Review. Environmental Science & Technology, 2020, 54, 7050-7069.	10.0	47
8	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater â€“ a perspective. Environmental Science: Nano, 2020, 7, 2178-2194.	4.3	74
9	Isolation and niche characteristics in simultaneous nitrification and denitrification application of an aerobic denitrifier, Acinetobacter sp. YS2. Bioresource Technology, 2020, 302, 122799.	9.6	49
10	Sulphate radical oxidation of benzophenone: kinetics, mechanisms and influence of water matrix anions. Environmental Technology (United Kingdom), 2020, 42, 1-9.	2.2	2
11	Aerobic denitrifiers with petroleum metabolizing ability isolated from caprolactam sewage treatment pool. Bioresource Technology, 2019, 290, 121719.	9.6	34
12	Applicability of Soil Concentration for VOC-Contaminated Site Assessments Explored Using Field Data from the Beijing-Tianjin-Hebei Urban Agglomeration. Environmental Science & Technology, 2019, 53, 789-797.	10.0	19
13	A source depletion model for vapor intrusion involving the influence of building characteristics. Environmental Pollution, 2019, 246, 864-872.	7.5	7
14	Vapor Intrusion Management in China: Lessons Learned from the United States. Environmental Science & Technology, 2018, 52, 3338-3339.	10.0	6
15	Stability of dissolved percarbonate and its implications for groundwater remediation. Chemosphere, 2018, 205, 41-44.	8.2	36
16	Influence of water matrix species on persulfate oxidation of phenol: reaction kinetics and formation of undesired degradation byproducts. Water Science and Technology, 2018, 2017, 340-350.	2.5	23
17	Impacts of inorganic anions and natural organic matter on thermally activated persulfate oxidation of BTEX in water. Chemosphere, 2018, 190, 296-306.	8.2	204
18	Response to the comments on â€˜â€˜Changes in activation energy and kinetics of heat-activated persulfate oxidation of phenol in response to changes in pH and temperatureâ€™â€™ by Ma, J., Li, H., Chi, L., Chen, H., & Chen, C. [Chemosphere 189 (2017) 86â€“93]. Chemosphere, 2018, 194, 403-404.	8.2	0

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19	Vapor intrusion risk of fuel ether oxygenates methyl tert -butyl ether (MTBE), tert -amyl methyl ether (TAME) and ethyl tert -butyl ether (ETBE): A modeling study. Journal of Hazardous Materials, 2017, 332, 10-18.	12.4	17
20	Changes in activation energy and kinetics of heat-activated persulfate oxidation of phenol in response to changes in pH and temperature. Chemosphere, 2017, 189, 86-93.	8.2	75
21	Characterization of Dietzia cercidiphylli C-1 isolated from extra-heavy oil contaminated soil. RSC Advances, 2017, 7, 19486-19491.	3.6	6
22	Combinations of Surfactant Flushing and Bioremediation for Removing Fuel Hydrocarbons from Contaminated Soils. Clean - Soil, Air, Water, 2016, 44, 984-991.	1.1	13
23	Bioremediation Enhances the Pollutant Removal Efficiency of Soil Vapor Extraction (SVE) in Treating Petroleum Drilling Waste. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	11
24	Sensitivity and uncertainty analysis for Abreu & Johnson numerical vapor intrusion model. Journal of Hazardous Materials, 2016, 304, 522-531.	12.4	14
25	Vapor intrusion risk of lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (DCA). Environmental Pollution, 2016, 213, 825-832.	7.5	6
26	Comparison of phytoremediation, bioaugmentation and natural attenuation for remediating saline soil contaminated by heavy crude oil. Biochemical Engineering Journal, 2016, 112, 170-177.	3.6	54
27	Effects of adding bulking agent, inorganic nutrient and microbial inocula on biopile treatment for oil-field drilling waste. Chemosphere, 2016, 150, 17-23.	8.2	70
28	Groundwater ecosystem resilience to organic contaminations: microbial and geochemical dynamics throughout the 5-year life cycle of a surrogate ethanol blend fuel plume. Water Research, 2015, 80, 119-129.	11.3	20
29	Biodegradability evaluation of pollutants in acrylonitrile wastewaters based on particle size distribution. Desalination and Water Treatment, 2015, 53, 2792-2798.	1.0	6
30	Assessment of Bacterial and Archaeal Community Structure in Swine Wastewater Treatment Processes. Microbial Ecology, 2015, 70, 77-87.	2.8	39
31	Isolation and Characterization of Oil-Degrading Microorganisms for Bench-Scale Evaluations of Autochthonous Bioaugmentation for Soil Remediation. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	16
32	Succession of microbial functional communities in response to a pilot-scale ethanol-blended fuel release throughout the plume life cycle. Environmental Pollution, 2015, 198, 154-160.	7.5	10
33	Numerical Model Investigation for Potential Methane Explosion and Benzene Vapor Intrusion Associated with High-Ethanol Blend Releases. Environmental Science & Technology, 2014, 48, 474-481.	10.0	29
34	Microbial processes influencing the transport, fate and groundwater impacts of fuel ethanol releases. Current Opinion in Biotechnology, 2013, 24, 457-466.	6.6	24
35	Adaptive microbial population shifts in response to a continuous ethanol blend release increases biodegradation potential. Environmental Pollution, 2013, 178, 419-425.	7.5	14
36	Methane Bioattenuation and Implications for Explosion Risk Reduction along the Groundwater to Soil Surface Pathway above a Plume of Dissolved Ethanol. Environmental Science & Technology, 2012, 46, 6013-6019.	10.0	50

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37	Differential Effect of Common Ligands and Molecular Oxygen on Antimicrobial Activity of Silver Nanoparticles versus Silver Ions. Environmental Science & Technology, 2011, 45, 9003-9008.	10.0	466