

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
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all docs

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docs citations

37
times ranked

2094
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential Effect of Common Ligands and Molecular Oxygen on Antimicrobial Activity of Silver Nanoparticles versus Silver Ions. <i>Environmental Science & Technology</i> , 2011, 45, 9003-9008.	10.0	466
2	Impacts of inorganic anions and natural organic matter on thermally activated persulfate oxidation of BTEX in water. <i>Chemosphere</i> , 2018, 190, 296-306.	8.2	204
3	Changes in activation energy and kinetics of heat-activated persulfate oxidation of phenol in response to changes in pH and temperature. <i>Chemosphere</i> , 2017, 189, 86-93.	8.2	75
4	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. <i>Environmental Science: Nano</i> , 2020, 7, 2178-2194.	4.3	74
5	Effects of adding bulking agent, inorganic nutrient and microbial inocula on biopile treatment for oil-field drilling waste. <i>Chemosphere</i> , 2016, 150, 17-23.	8.2	70
6	Comparison of phytoremediation, bioaugmentation and natural attenuation for remediating saline soil contaminated by heavy crude oil. <i>Biochemical Engineering Journal</i> , 2016, 112, 170-177.	3.6	54
7	Methane Bioattenuation and Implications for Explosion Risk Reduction along the Groundwater to Soil Surface Pathway above a Plume of Dissolved Ethanol. <i>Environmental Science & Technology</i> , 2012, 46, 6013-6019.	10.0	50
8	Isolation and niche characteristics in simultaneous nitrification and denitrification application of an aerobic denitrifier, <i>Acinetobacter</i> sp. YS2. <i>Bioresource Technology</i> , 2020, 302, 122799.	9.6	49
9	Vapor Intrusion Investigations and Decision-Making: A Critical Review. <i>Environmental Science & Technology</i> , 2020, 54, 7050-7069.	10.0	47
10	Assessment of Bacterial and Archaeal Community Structure in Swine Wastewater Treatment Processes. <i>Microbial Ecology</i> , 2015, 70, 77-87.	2.8	39
11	Stability of dissolved percarbonate and its implications for groundwater remediation. <i>Chemosphere</i> , 2018, 205, 41-44.	8.2	36
12	Aerobic denitrifiers with petroleum metabolizing ability isolated from caprolactam sewage treatment pool. <i>Bioresource Technology</i> , 2019, 290, 121719.	9.6	34
13	Numerical Model Investigation for Potential Methane Explosion and Benzene Vapor Intrusion Associated with High-Ethanol Blend Releases. <i>Environmental Science & Technology</i> , 2014, 48, 474-481.	10.0	29
14	Characteristics and mechanisms of controlled-release KMnO ₄ for groundwater remediation: Experimental and modeling investigations. <i>Water Research</i> , 2020, 171, 115385.	11.3	27
15	Percarbonate persistence under different water chemistry conditions. <i>Chemical Engineering Journal</i> , 2020, 389, 123422.	12.7	26
16	Microbial processes influencing the transport, fate and groundwater impacts of fuel ethanol releases. <i>Current Opinion in Biotechnology</i> , 2013, 24, 457-466.	6.6	24
17	Influence of water matrix species on persulfate oxidation of phenol: reaction kinetics and formation of undesired degradation byproducts. <i>Water Science and Technology</i> , 2018, 2017, 340-350.	2.5	23
18	Groundwater ecosystem resilience to organic contaminations: microbial and geochemical dynamics throughout the 5-year life cycle of a surrogate ethanol blend fuel plume. <i>Water Research</i> , 2015, 80, 119-129.	11.3	20

#	ARTICLE	IF	CITATIONS
19	Applicability of Soil Concentration for VOC-Contaminated Site Assessments Explored Using Field Data from the Beijing-Tianjin-Hebei Urban Agglomeration. <i>Environmental Science & Technology</i> , 2019, 53, 789-797.	10.0	19
20	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. <i>Journal of Hazardous Materials</i> , 2017, 332, 10-18.	12.4	17
21	Degradation of benzotriazole by sulfate radical-based advanced oxidation process. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 238-247.	2.2	17
22	Isolation and Characterization of Oil-Degrading Microorganisms for Bench-Scale Evaluations of Autochthonous Bioaugmentation for Soil Remediation. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	16
23	Adaptive microbial population shifts in response to a continuous ethanol blend release increases biodegradation potential. <i>Environmental Pollution</i> , 2013, 178, 419-425.	7.5	14
24	Sensitivity and uncertainty analysis for Abreu & Johnson numerical vapor intrusion model. <i>Journal of Hazardous Materials</i> , 2016, 304, 522-531.	12.4	14
25	Combinations of Surfactant Flushing and Bioremediation for Removing Fuel Hydrocarbons from Contaminated Soils. <i>Clean - Soil, Air, Water</i> , 2016, 44, 984-991.	1.1	13
26	Bioremediation Enhances the Pollutant Removal Efficiency of Soil Vapor Extraction (SVE) in Treating Petroleum Drilling Waste. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	11
27	Succession of microbial functional communities in response to a pilot-scale ethanol-blended fuel release throughout the plume life cycle. <i>Environmental Pollution</i> , 2015, 198, 154-160.	7.5	10
28	A source depletion model for vapor intrusion involving the influence of building characteristics. <i>Environmental Pollution</i> , 2019, 246, 864-872.	7.5	7
29	Flux Chamber Measurements Should Play a More Important Role in Contaminated Site Management. <i>Environmental Science & Technology</i> , 2020, 54, 11645-11647.	10.0	7
30	Biodegradability evaluation of pollutants in acrylonitrile wastewaters based on particle size distribution. <i>Desalination and Water Treatment</i> , 2015, 53, 2792-2798.	1.0	6
31	Vapor intrusion risk of lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (DCA). <i>Environmental Pollution</i> , 2016, 213, 825-832.	7.5	6
32	Characterization of Dietzia cercidiphylli C-1 isolated from extra-heavy oil contaminated soil. <i>RSC Advances</i> , 2017, 7, 19486-19491.	3.6	6
33	Vapor Intrusion Management in China: Lessons Learned from the United States. <i>Environmental Science & Technology</i> , 2018, 52, 3338-3339.	10.0	6
34	Degradation of benzothiazole pollutant by sulfate radical-based advanced oxidation process. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2834-2843.	2.2	5
35	Comparisons of Four Methods for Measuring Total Petroleum Hydrocarbons and Short-term Weathering Effect in Soils Contaminated by Crude Oil and Fuel Oils. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	5
36	Sulphate radical oxidation of benzophenone: kinetics, mechanisms and influence of water matrix anions. <i>Environmental Technology (United Kingdom)</i> , 2020, 42, 1-9.	2.2	2

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37	Response to the comments on “Changes in activation energy and kinetics of heat-activated persulfate oxidation of phenol in response to changes in pH and temperature” by Ma, J., Li, H., Chi, L., Chen, H., & Chen, C. [Chemosphere 189 (2017) 86–93]. Chemosphere, 2018, 194, 403-404.	8.2	0