Ningyuan Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8984609/publications.pdf

Version: 2024-02-01

25 papers	1,357 citations	361045 20 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1771 citing authors

#	Article	IF	Citations
1	Clinoptilolite mediated activation of peroxymonosulfate through spherical dispersion and oriented array of NiFe2O4: Upgrading synergy and performance. Journal of Hazardous Materials, 2021, 407, 124736.	6.5	44
2	Photic Biofilms Mediated Distant Nitrate Reduction at the Soilâ€“Water Interface of Paddy Fields. ACS Earth and Space Chemistry, 2021, 5, 1163-1171.	1.2	9
3	A review of clay based photocatalysts: Role of phyllosilicate mineral in interfacial assembly, microstructure control and performance regulation. Chemosphere, 2021, 273, 129723.	4.2	57
4	Bismuth impregnated biochar for efficient estrone degradation: The synergistic effect between biochar and Bi/Bi2O3 for a high photocatalytic performance. Journal of Hazardous Materials, 2020, 384, 121258.	6.5	60
5	Rapid removal of tetrabromobisphenol A by Î±-Fe2O3-x@Graphene@Montmorillonite catalyst with oxygen vacancies through peroxymonosulfate activation: Role of halogen and Î±-hydroxyalkyl radicals. Applied Catalysis B: Environmental, 2020, 260, 118129.	10.8	135
6	Susceptibility of atrazine photo-degradation in the presence of nitrate: Impact of wavelengths and significant role of reactive nitrogen species. Journal of Hazardous Materials, 2020, 388, 121760.	6.5	23
7	Mini review on the roles of nitrate/nitrite in advanced oxidation processes: Radicals transformation and products formation. Journal of Cleaner Production, 2020, 273, 123065.	4.6	66
8	Rational design of efficient visible-light driven photocatalyst through 0D/2D structural assembly: Natural kaolinite supported monodispersed TiO2 with carbon regulation. Chemical Engineering Journal, 2020, 396, 125311.	6.6	29
9	Dam Construction as an Important Anthropogenic Activity Disturbing Soil Organic Carbon in Affected Watersheds. Environmental Science & Technology, 2020, 54, 7932-7941.	4.6	6
10	Dual benefits of long-term ecological agricultural engineering: Mitigation of nutrient losses and improvement of soil quality. Science of the Total Environment, 2020, 721, 137848.	3.9	21
11	The unexpected concentration-dependent response of periphytic biofilm during indole acetic acid removal. Bioresource Technology, 2020, 303, 122922.	4.8	8
12	Tuning and controlling photocatalytic performance of TiO2/kaolinite composite towards ciprofloxacin: Role of 0D/2D structural assembly. Advanced Powder Technology, 2020, 31, 1241-1252.	2.0	30
13	UV365 induced elimination of contaminants of emerging concern in the presence of residual nitrite: Roles of reactive nitrogen species. Water Research, 2020, 178, 115829.	5.3	42
14	Arsenic immobilization through regulated ferrolysis in paddy field amendment with bismuth impregnated biochar. Science of the Total Environment, 2019, 648, 993-1001.	3.9	68
15	Unraveling different mechanisms of persulfate activation by graphite felt anode and cathode to destruct contaminants of emerging concern. Applied Catalysis B: Environmental, 2019, 253, 140-148.	10.8	86
16	Augmenting nitrogen removal by periphytic biofilm strengthened via upconversion phosphors (UCPs). Bioresource Technology, 2019, 274, 105-112.	4.8	2
17	Protection Mechanisms of Periphytic Biofilm to Photocatalytic Nanoparticle Exposure. Environmental Science & Technology, 2019, 53, 1585-1594.	4.6	56
18	Arsenic removal by periphytic biofilm and its application combined with biochar. Bioresource Technology, 2018, 248, 49-55.	4.8	57

#	Article	IF	Citations
19	Phosphorus and Cu2+ removal by periphytic biofilm stimulated by upconversion phosphors doped with Pr3+-Li+. Bioresource Technology, 2018, 248, 68-74.	4.8	121
20	Sustainable pollutant removal by periphytic biofilm via microbial composition shifts induced by uneven distribution of CeO2 nanoparticles. Bioresource Technology, 2018, 248, 75-81.	4.8	34
21	A New Concept of Promoting Nitrate Reduction in Surface Waters: Simultaneous Supplement of Denitrifiers, Electron Donor Pool, and Electron Mediators. Environmental Science & Technology, 2018, 52, 8617-8626.	4.6	38
22	Combined CdS nanoparticles-assisted photocatalysis and periphytic biological processes for nitrate removal. Chemical Engineering Journal, 2018, 353, 237-245.	6.6	84
23	Distinguishing the roles of different extracellular polymeric substance fractions of a periphytic biofilm in defending against Fe₂O₃nanoparticle toxicity. Environmental Science: Nano, 2017, 4, 1682-1691.	2.2	22
24	Responses of Periphyton to Fe₂O₃ Nanoparticles: A Physiological and Ecological Basis for Defending Nanotoxicity. Environmental Science & Technology, 2017, 51, 10797-10805.	4.6	46
25	Adsorption of arsenic, phosphorus and chromium by bismuth impregnated biochar: Adsorption mechanism and depleted adsorbent utilization. Chemosphere, 2016, 164, 32-40.	4.2	213