Ningyuan Zhu

List of Publications by Year
in descending order

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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	Adsorption of arsenic, phosphorus and chromium by bismuth impregnated biochar: Adsorption mechanism and depleted adsorbent utilization. Chemosphere, 2016, 164, 32-40.	4.2	213
2	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
3	Phosphorus and Cu2+ removal by periphytic biofilm stimulated by upconversion phosphors doped with Pr3+-Li+. Bioresource Technology, 2018, 248, 68-74.	4.8	121
4	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
5	Combined CdS nanoparticles-assisted photocatalysis and periphytic biological processes for nitrate removal. Chemical Engineering Journal, 2018, 353, 237-245.	6.6	84
6	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
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	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
9	Arsenic removal by periphytic biofilm and its application combined with biochar. Bioresource Technology, 2018, 248, 49-55.	4.8	57
10	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
11	Protection Mechanisms of Periphytic Biofilm to Photocatalytic Nanoparticle Exposure. Environmental Science & Technology, 2019, 53, 1585-1594.	4.6	56
12	Responses of Periphyton to Fe₂O₃ Nanoparticles: A Physiological and Ecological Basis for Defending Nanotoxicity. Environmental Science & Technology, 2017, 51, 10797-10805.	4.6	46
13	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
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	The unexpected concentration-dependent response of periphytic biofilm during indole acetic acid removal. Bioresource Technology, 2020, 303, 122922.	4.8	8
24	Dam Construction as an Important Anthropogenic Activity Disturbing Soil Organic Carbon in Affected Watersheds. Environmental Science & Technology, 2020, 54, 7932-7941.	4.6	6
25	Augmenting nitrogen removal by periphytic biofilm strengthened via upconversion phosphors (UCPs). Bioresource Technology, 2019, 274, 105-112.	4.8	2