

Wendong Tao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9044948/wendong-cao-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

1,417
citations

21
h-index

36
g-index

66
ext. papers

1,696
ext. citations

6
avg, IF

5.34
L-index

#	Paper	IF	Citations
60	Occurrence and dietary exposure risks of phthalate esters in food in the typical valley city Xi'an, Northwest China.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
59	Stable, high-rate anaerobic digestion through vacuum stripping of digestate. <i>Bioresource Technology</i> , 2022 , 343, 126133	11	1
58	Biomass and Lipid Productivity by Two Algal Strains of <i>Chlorella sorokiniana</i> Grown in Hydrolysate of Water Hyacinth. <i>Energies</i> , 2021 , 14, 1411	3.1	2
57	Enhanced degradation of organic contaminants using catalytic activity of carbonaceous structures: A strategy for the reuse of exhausted sorbents. <i>Journal of Environmental Sciences</i> , 2021 , 99, 267-273	6.4	11
56	Microalga-Mediated Tertiary Treatment of Municipal Wastewater: Removal of Nutrients and Pathogens. <i>Sustainability</i> , 2021 , 13, 9554	3.6	3
55	Elucidating the kinetics of ammonia inhibition to anaerobic digestion through extended batch experiments and stimulation-inhibition modeling. <i>Bioresource Technology</i> , 2021 , 340, 125744	11	4
54	Microbial community similarity and dissimilarity inside and across full-scale activated sludge processes for simultaneous nitrification and denitrification. <i>Water Science and Technology</i> , 2020 , 81, 333-344	2.2	6
53	Study on hierarchical transformation mechanisms of regional ecological vulnerability and its applicability. <i>Ecological Indicators</i> , 2020 , 114, 106343	5.8	13
52	Reversibility of propionic acid inhibition to anaerobic digestion: Inhibition kinetics and microbial mechanism. <i>Chemosphere</i> , 2020 , 255, 126840	8.4	21
51	Phthalate esters in atmospheric PM and PM in the semi-arid city of Xi'an, Northwest China: Pollution characteristics, sources, health risks, and relationships with meteorological factors. <i>Chemosphere</i> , 2020 , 242, 125226	8.4	14
50	Nitrification kinetics and microbial communities of activated sludge as a full-scale membrane bioreactor plant transitioned to low dissolved oxygen operation. <i>Journal of Cleaner Production</i> , 2020 , 252, 119872	10.3	15
49	Tertiary treatment of municipal wastewater using isolated algal strains: treatment efficiency and value-added products recovery. <i>Chemistry and Ecology</i> , 2020 , 36, 48-65	2.3	12
48	Using hydrogen peroxide to supplement oxygen for nitrogen removal in constructed wetlands. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104517	6.8	3
47	Nitrous oxide emission and microbial community of full-scale anoxic/aerobic membrane bioreactors at low dissolved oxygen setpoints. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101654	6.7	6
46	Three-stage treatment for nitrogen and phosphorus recovery from human urine: Hydrolysis, precipitation and vacuum stripping. <i>Journal of Environmental Management</i> , 2019 , 249, 109435	7.9	19
45	Fatty acid profile and energy efficiency of biodiesel production from an alkaliphilic algae grown in the photobioreactor. <i>Bioresource Technology Reports</i> , 2019 , 6, 229-236	4.1	14
44	Polycyclic aromatic hydrocarbons in atmospheric PM2.5 and PM10 in the semi-arid city of Xi'an, Northwest China: Seasonal variations, sources, health risks, and relationships with meteorological factors. <i>Atmospheric Research</i> , 2019 , 229, 60-73	5.4	12

43	Speciation, sources, and risk assessment of heavy metals in suburban vegetable garden soil in Xi'an City, Northwest China. <i>Frontiers of Earth Science</i> , 2018 , 12, 397-407	1.7	17
42	Pollution characteristics and health risk assessment of phthalate esters in urban soil in the typical semi-arid city of Xi'an, Northwest China. <i>Chemosphere</i> , 2018 , 191, 467-476	8.4	52
41	Anaerobic co-digestion of foodwaste with liquid dairy manure or manure digestate: Co-substrate limitation and inhibition. <i>Journal of Environmental Management</i> , 2018 , 223, 917-924	7.9	19
40	Microbial removal and plant uptake of nitrogen in constructed wetlands: mesocosm tests on influencing factors. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 36425-36437	5.1	12
39	A feasible method for the division of ecological vulnerability and its driving forces in Southern Shaanxi. <i>Journal of Cleaner Production</i> , 2018 , 205, 619-628	10.3	36
38	Recovery of ammonia in anaerobic digestate using vacuum thermal stripping - acid absorption process: scale-up considerations. <i>Water Science and Technology</i> , 2018 , 78, 878-885	2.2	12
37	Designing constructed wetlands for reclamation of pretreated wastewater and stormwater. <i>Reviews in Environmental Science and Biotechnology</i> , 2017 , 16, 37-57	13.9	17
36	Efficient ammonia removal in recirculating vertical flow constructed wetlands: Complementary roles of anammox and denitrification in simultaneous nitrification, anammox and denitrification process. <i>Chemical Engineering Journal</i> , 2017 , 317, 972-979	14.7	29
35	Investigating into composition, distribution, sources and health risk of phthalic acid esters in street dust of Xi'an City, Northwest China. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 865-877	4.7	31
34	Struvite recovery from anaerobically digested dairy manure: A review of application potential and hindrances. <i>Journal of Environmental Management</i> , 2016 , 169, 46-57	7.9	108
33	Cost benefit assessment of a novel thermal stripping - acid absorption process for ammonia recovery from anaerobically digested dairy manure. <i>Water Practice and Technology</i> , 2016 , 11, 355-364	0.9	11
32	Characteristics, sources, and health risk of polycyclic aromatic hydrocarbons in urban surface dust: a case study of the city of Xi'an in Northwest China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 13389-402	5.1	24
31	Developing a vacuum thermal stripping - acid absorption process for ammonia recovery from anaerobic digester effluent. <i>Water Research</i> , 2016 , 106, 108-115	12.5	66
30	Coupling thermal stripping and acid absorption for ammonia recovery from dairy manure: Ammonia volatilization kinetics and effects of temperature, pH and dissolved solids content. <i>Chemical Engineering Journal</i> , 2015 , 280, 188-196	14.7	82
29	Investigation into ammonia stress on <i>Cyperus alternifolius</i> and its impact on nutrient removal in microcosm experiments. <i>Journal of Environmental Management</i> , 2015 , 163, 254-61	7.9	7
28	Anaerobic co-digestion of food waste and dairy manure: effects of food waste particle size and organic loading rate. <i>Journal of Environmental Management</i> , 2014 , 133, 268-74	7.9	130
27	Treatment performance and copper removal mechanisms of a vegetated submerged bed receiving leachate from ACQ-treated lumber. <i>Ecological Engineering</i> , 2014 , 70, 162-168	3.9	4
26	Constructed Wetlands for Treatment of Combined Sewer Overflow in the US: A Review of Design Challenges and Application Status. <i>Water (Switzerland)</i> , 2014 , 6, 3362-3385	3	24

25	Field leaching of alkaline copper quaternary-treated red pine lumber over 3 years: long-term dynamics. <i>Water Science and Technology</i> , 2014 , 69, 1475-81	2.2	2
24	Enhancing simultaneous nitrification and anammox in recirculating biofilters: effects of unsaturated zone depth and alkalinity dissolution of packing materials. <i>Journal of Hazardous Materials</i> , 2013 , 244-245, 671-80	12.8	23
23	Influences of wood preservation, lumber size, and weather on field leaching of red pine lumber. <i>Journal of Hazardous Materials</i> , 2013 , 260, 296-304	12.8	9
22	Numerical modeling of nitrogen removal processes in biofilters with simultaneous nitrification and anammox. <i>Water Science and Technology</i> , 2013 , 67, 549-56	2.2	
21	Vermifiltration Ecological Treatment for the Re-Use of Food Waste Digestate. <i>Water Environment Research</i> , 2013 , 85, 2184-2193	2.8	2
20	Passive solid-liquid separation of anaerobically digested dairy manure using two-stage filtration. <i>Biosystems Engineering</i> , 2012 , 111, 392-397	4.8	11
19	Spatial and seasonal distribution of nitrogen in marsh soils of a typical floodplain wetland in Northeast China. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 1253-63	3.1	30
18	Effects of pH and seasonal temperature variation on simultaneous partial nitrification and anammox in free-water surface wetlands. <i>Journal of Environmental Management</i> , 2012 , 110, 103-9	7.9	58
17	Effects of pH and temperature on coupling nitrification and anammox in biofilters treating dairy wastewater. <i>Ecological Engineering</i> , 2012 , 47, 76-82	3.9	39
16	Nitrogen removal in constructed wetlands using nitrification/anammox and nitrification/denitrification: effects of influent nitrogen concentration. <i>Water Environment Research</i> , 2012 , 84, 2099-105	2.8	13
15	Treatment of anaerobically digested dairy manure in a two-stage biofiltration system. <i>Water Science and Technology</i> , 2012 , 65, 1975-81	2.2	6
14	Overcoming challenges to struvite recovery from anaerobically digested dairy manure. <i>Water Environment Research</i> , 2012 , 84, 34-41	2.8	58
13	Batch operation of biofilter-free-water surface wetland series for enhancing nitrification and anammox. <i>Water Environment Research</i> , 2011 , 83, 541-8	2.8	17
12	Laboratory study on factors influencing nitrogen removal in marble chip biofilters incorporating nitrification and anammox. <i>Water Science and Technology</i> , 2011 , 64, 1211-7	2.2	2
11	Estimation of ecological water requirements based on habitat response to water level in Huanghe River Delta, China. <i>Chinese Geographical Science</i> , 2010 , 20, 318-329	2.9	19
10	River channel network design for drought and flood control: A case study of Xiaoqinghe River basin, Jinan City, China. <i>Journal of Environmental Management</i> , 2009 , 90, 3675-86	7.9	64
9	Effects of vegetation, limestone and aeration on nitrification, anammox and denitrification in wetland treatment systems. <i>Ecological Engineering</i> , 2009 , 35, 836-842	3.9	89
8	Microbial biomass and heterotrophic production of surface flow mesocosm wetlands treating woodwaste leachate: Responses to hydraulic and organic loading and relations with mass reduction. <i>Ecological Engineering</i> , 2007 , 31, 132-139	3.9	13

7	Laboratory study on potential mechanisms for treatment of woodwaste leachate in surface flow constructed wetlands. <i>Journal of Environmental Engineering and Science</i> , 2007 , 6, 85-94	0.8	11
6	Effects of influent strength on microorganisms in surface flow mesocosm wetlands. <i>Water Research</i> , 2007 , 41, 4557-65	12.5	23
5	Heterotrophic bacterial activities and treatment performance of surface flow constructed wetlands receiving woodwaste leachate. <i>Water Environment Research</i> , 2006 , 78, 671-9	2.8	7
4	Performance evaluation and effects of hydraulic retention time and mass loading rate on treatment of woodwaste leachate in surface-flow constructed wetlands. <i>Ecological Engineering</i> , 2006 , 26, 252-265	3.9	32
3	Characterization of Leachate from a Woodwaste Pile. <i>Water Quality Research Journal of Canada</i> , 2005 , 40, 476-483	1.7	27
2	Dynamics and influencing factors of heterotrophic bacterial utilization of acetate in constructed wetlands treating woodwaste leachate. <i>Water Research</i> , 2004 , 38, 3442-8	12.5	13
1	Tradable Discharge Permit System for Water Pollution: Case of the Upper Nanpan River of China. <i>Environmental and Resource Economics</i> , 2000 , 15, 27-38	4.4	11