

# Wendong Tao

## List of Publications by Citations

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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	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> , <b>2014</b> , 133, 268-74	7.9	130
59	Struvite recovery from anaerobically digested dairy manure: A review of application potential and hindrances. <i>Journal of Environmental Management</i> , <b>2016</b> , 169, 46-57	7.9	108
58	Effects of vegetation, limestone and aeration on nitrification, anammox and denitrification in wetland treatment systems. <i>Ecological Engineering</i> , <b>2009</b> , 35, 836-842	3.9	89
57	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> , <b>2015</b> , 280, 188-196	14.7	82
56	Developing a vacuum thermal stripping - acid absorption process for ammonia recovery from anaerobic digester effluent. <i>Water Research</i> , <b>2016</b> , 106, 108-115	12.5	66
55	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> , <b>2009</b> , 90, 3675-86	7.9	64
54	Effects of pH and seasonal temperature variation on simultaneous partial nitrification and anammox in free-water surface wetlands. <i>Journal of Environmental Management</i> , <b>2012</b> , 110, 103-9	7.9	58
53	Overcoming challenges to struvite recovery from anaerobically digested dairy manure. <i>Water Environment Research</i> , <b>2012</b> , 84, 34-41	2.8	58
52	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> , <b>2018</b> , 191, 467-476	8.4	52
51	Effects of pH and temperature on coupling nitrification and anammox in biofilters treating dairy wastewater. <i>Ecological Engineering</i> , <b>2012</b> , 47, 76-82	3.9	39
50	A feasible method for the division of ecological vulnerability and its driving forces in Southern Shaanxi. <i>Journal of Cleaner Production</i> , <b>2018</b> , 205, 619-628	10.3	36
49	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> , <b>2006</b> , 26, 252-265	3.9	32
48	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> , <b>2017</b> , 39, 865-877	4.7	31
47	Spatial and seasonal distribution of nitrogen in marsh soils of a typical floodplain wetland in Northeast China. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 1253-63	3.1	30
46	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> , <b>2017</b> , 317, 972-979	14.7	29
45	Characterization of Leachate from a Woodwaste Pile. <i>Water Quality Research Journal of Canada</i> , <b>2005</b> , 40, 476-483	1.7	27
44	Constructed Wetlands for Treatment of Combined Sewer Overflow in the US: A Review of Design Challenges and Application Status. <i>Water (Switzerland)</i> , <b>2014</b> , 6, 3362-3385	3	24

43	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> , <b>2016</b> , 23, 13389-402	5.1	24
42	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> , <b>2013</b> , 244-245, 671-80	12.8	23
41	Effects of influent strength on microorganisms in surface flow mesocosm wetlands. <i>Water Research</i> , <b>2007</b> , 41, 4557-65	12.5	23
40	Reversibility of propionic acid inhibition to anaerobic digestion: Inhibition kinetics and microbial mechanism. <i>Chemosphere</i> , <b>2020</b> , 255, 126840	8.4	21
39	Three-stage treatment for nitrogen and phosphorus recovery from human urine: Hydrolysis, precipitation and vacuum stripping. <i>Journal of Environmental Management</i> , <b>2019</b> , 249, 109435	7.9	19
38	Anaerobic co-digestion of foodwaste with liquid dairy manure or manure digestate: Co-substrate limitation and inhibition. <i>Journal of Environmental Management</i> , <b>2018</b> , 223, 917-924	7.9	19
37	Estimation of ecological water requirements based on habitat response to water level in Huanghe River Delta, China. <i>Chinese Geographical Science</i> , <b>2010</b> , 20, 318-329	2.9	19
36	Designing constructed wetlands for reclamation of pretreated wastewater and stormwater. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2017</b> , 16, 37-57	13.9	17
35	Speciation, sources, and risk assessment of heavy metals in suburban vegetable garden soil in Xianyang City, Northwest China. <i>Frontiers of Earth Science</i> , <b>2018</b> , 12, 397-407	1.7	17
34	Batch operation of biofilter-free-water surface wetland series for enhancing nitrification and anammox. <i>Water Environment Research</i> , <b>2011</b> , 83, 541-8	2.8	17
33	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> , <b>2020</b> , 252, 119872	10.3	15
32	Fatty acid profile and energy efficiency of biodiesel production from an alkaliphilic algae grown in the photobioreactor. <i>Bioresource Technology Reports</i> , <b>2019</b> , 6, 229-236	4.1	14
31	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> , <b>2020</b> , 242, 125226	8.4	14
30	Study on hierarchical transformation mechanisms of regional ecological vulnerability and its applicability. <i>Ecological Indicators</i> , <b>2020</b> , 114, 106343	5.8	13
29	Nitrogen removal in constructed wetlands using nitrification/anammox and nitrification/denitrification: effects of influent nitrogen concentration. <i>Water Environment Research</i> , <b>2012</b> , 84, 2099-105	2.8	13
28	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> , <b>2007</b> , 31, 132-139	3.9	13
27	Dynamics and influencing factors of heterotrophic bacterial utilization of acetate in constructed wetlands treating woodwaste leachate. <i>Water Research</i> , <b>2004</b> , 38, 3442-8	12.5	13
26	Polycyclic aromatic hydrocarbons in atmospheric PM <sub>2.5</sub> and PM <sub>10</sub> in the semi-arid city of Xi'an, Northwest China: Seasonal variations, sources, health risks, and relationships with meteorological factors. <i>Atmospheric Research</i> , <b>2019</b> , 229, 60-73	5.4	12

25	Tertiary treatment of municipal wastewater using isolated algal strains: treatment efficiency and value-added products recovery. <i>Chemistry and Ecology</i> , <b>2020</b> , 36, 48-65	2.3	12
24	Microbial removal and plant uptake of nitrogen in constructed wetlands: mesocosm tests on influencing factors. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 36425-36437	5.1	12
23	Recovery of ammonia in anaerobic digestate using vacuum thermal stripping - acid absorption process: scale-up considerations. <i>Water Science and Technology</i> , <b>2018</b> , 78, 878-885	2.2	12
22	Passive solid-liquid separation of anaerobically digested dairy manure using two-stage filtration. <i>Biosystems Engineering</i> , <b>2012</b> , 111, 392-397	4.8	11
21	Laboratory study on potential mechanisms for treatment of woodwaste leachate in surface flow constructed wetlands. <i>Journal of Environmental Engineering and Science</i> , <b>2007</b> , 6, 85-94	0.8	11
20	Tradable Discharge Permit System for Water Pollution: Case of the Upper Nanpan River of China. <i>Environmental and Resource Economics</i> , <b>2000</b> , 15, 27-38	4.4	11
19	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> , <b>2016</b> , 11, 355-364	0.9	11
18	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> , <b>2021</b> , 99, 267-273	6.4	11
17	Influences of wood preservation, lumber size, and weather on field leaching of red pine lumber. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 260, 296-304	12.8	9
16	Investigation into ammonia stress on <i>Cyperus alternifolius</i> and its impact on nutrient removal in microcosm experiments. <i>Journal of Environmental Management</i> , <b>2015</b> , 163, 254-61	7.9	7
15	Heterotrophic bacterial activities and treatment performance of surface flow constructed wetlands receiving woodwaste leachate. <i>Water Environment Research</i> , <b>2006</b> , 78, 671-9	2.8	7
14	Microbial community similarity and dissimilarity inside and across full-scale activated sludge processes for simultaneous nitrification and denitrification. <i>Water Science and Technology</i> , <b>2020</b> , 81, 333-344	2.2	6
13	Treatment of anaerobically digested dairy manure in a two-stage biofiltration system. <i>Water Science and Technology</i> , <b>2012</b> , 65, 1975-81	2.2	6
12	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> , <b>2020</b> , 38, 101654	6.7	6
11	Treatment performance and copper removal mechanisms of a vegetated submerged bed receiving leachate from ACQ-treated lumber. <i>Ecological Engineering</i> , <b>2014</b> , 70, 162-168	3.9	4
10	Elucidating the kinetics of ammonia inhibition to anaerobic digestion through extended batch experiments and stimulation-inhibition modeling. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125744	11	4
9	Using hydrogen peroxide to supplement oxygen for nitrogen removal in constructed wetlands. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104517	6.8	3
8	Microalga-Mediated Tertiary Treatment of Municipal Wastewater: Removal of Nutrients and Pathogens. <i>Sustainability</i> , <b>2021</b> , 13, 9554	3.6	3

7	Field leaching of alkaline copper quaternary-treated red pine lumber over 3 years: long-term dynamics. <i>Water Science and Technology</i> , <b>2014</b> , 69, 1475-81	2.2	2
6	Vermifiltration Ecological Treatment for the Re-Use of Food Waste Digestate. <i>Water Environment Research</i> , <b>2013</b> , 85, 2184-2193	2.8	2
5	Laboratory study on factors influencing nitrogen removal in marble chip biofilters incorporating nitrification and anammox. <i>Water Science and Technology</i> , <b>2011</b> , 64, 1211-7	2.2	2
4	Biomass and Lipid Productivity by Two Algal Strains of <i>Chlorella sorokiniana</i> Grown in Hydrolysate of Water Hyacinth. <i>Energies</i> , <b>2021</b> , 14, 1411	3.1	2
3	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> , <b>2022</b> , 1	5.1	1
2	Stable, high-rate anaerobic digestion through vacuum stripping of digestate. <i>Bioresource Technology</i> , <b>2022</b> , 343, 126133	11	1
1	Numerical modeling of nitrogen removal processes in biofilters with simultaneous nitrification and anammox. <i>Water Science and Technology</i> , <b>2013</b> , 67, 549-56	2.2	