Yuansheng Hu

List of Publications by Year in Descending Order

40 papers	1,687 citations	18 h-index	41 g-index
41 ext. papers	2,062 ext. citations	8.7 avg, IF	5.14 L-index

#	Paper	IF	Citations
40	Novel electro-ion substitution strategy in electrodialysis for ammonium recovery from digested sludge centrate in coastal regions. *Journal of Membrane Science*, **2022**, 642, 120001	9.6	1
39	Low energy harvesting of hydrophobic microalgae (Tribonema sp.) by electro-flotation without coagulation.. *Science of the Total Environment*, **2022**, 155866	10.2	0
38	Stimulatory effects of biochar addition on dry anaerobic co-digestion of pig manure and food waste under mesophilic conditions. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
37	Microbial Interactions in Pollution Control Ecosystems. *Current Pollution Reports*, **2021**, 7, 104-114	7.6	2
36	Novel pyrrhotite and alum sludge as substrates in a two-tiered constructed wetland-microbial fuel cell. *Journal of Cleaner Production*, **2021**, 293, 126087	10.3	12
35	N2O generation via nitritation at different volumetric oxygen transfer levels in partial nitritation-anammox process. *Journal of Cleaner Production*, **2021**, 293, 126104	10.3	0
34	Improved reduction of antibiotic resistance genes and mobile genetic elements from biowastes in dry anaerobic co-digestion. *Waste Management*, **2021**, 126, 152-162	8.6	5
33	Effects of C/N ratio and dissolved oxygen on aerobic denitrification process: A mathematical modeling study. *Chemosphere*, **2021**, 272, 129521	8.4	5
32	Application of magnetic fields to wastewater treatment and its mechanisms: A review. *Science of the Total Environment*, **2021**, 773, 145476	10.2	10
31	What the best way to achieve successful mainstream partial nitritation-anammox application?. *Critical Reviews in Environmental Science and Technology*, **2021**, 51, 1045-1077	11.1	27
30	Filamentous microalgae as an advantageous co-substrate for enhanced methane production and digestate dewaterability in anaerobic co-digestion of pig manure. *Waste Management*, **2021**, 119, 399-407	8.6	11
29	In situ electrochemical oxidation in electrodialysis for antibiotics removal during nutrient recovery from pig manure digestate. *Chemical Engineering Journal*, **2021**, 413, 127485	14.7	5
28	Iron sulphides mediated autotrophic denitrification: An emerging bioprocess for nitrate pollution mitigation and sustainable wastewater treatment. *Water Research*, **2020**, 179, 115914	12.5	54
27	Impact of total solids content on anaerobic co-digestion of pig manure and food waste: Insights into shifting of the methanogenic pathway. *Waste Management*, **2020**, 114, 96-106	8.6	36
26	Long Chain Fatty Acid Degradation Coupled to Biological Sulfidogenesis: A Prospect for Enhanced Metal Recovery. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 550253	5.8	4
25	A novel technology with precise oxygen-input control: Application of the partial nitritation-anammox process. *Water Research*, **2020**, 185, 116213	12.5	12
24	Start up of partial nitritation-anammox process using intermittently aerated sequencing batch reactor: Performance and microbial community dynamics. *Science of the Total Environment*, **2019**, 647, 1188-1198	10.2	39

23	MODELLING HIGH RATE P-REMOVAL IN A TWO-STAGE PILOT SCALE ALUM SLUDGE BASED CONSTRUCTED WETLAND SYSTEM. *Environmental Engineering and Management Journal*, **2019**, 18, 359-366	0.6	
22	Achieving an extraordinary high organic and hydraulic loadings with good performance via an alternative operation strategy in a multi-stage constructed wetland system. *Environmental Science and Pollution Research*, **2018**, 25, 11841-11853	5.1	6
21	Recovery of nutrients and volatile fatty acids from pig manure hydrolysate using two-stage bipolar membrane electrodialysis. *Chemical Engineering Journal*, **2018**, 334, 134-142	14.7	80
20	Enrichment of highly settleable microalgal consortia in mixed cultures for effluent polishing and low-cost biomass production. *Water Research*, **2017**, 125, 11-22	12.5	42
19	Performance of Denitrifying Phosphate Removal via Nitrite from Slaughterhouse Wastewater Treatment at Low Temperature. *Water (Switzerland)*, **2017**, 9, 818	3	3
18	Destroying lignocellulosic matters for enhancing methane production from excess sludge. *Environmental Technology (United Kingdom)*, **2016**, 37, 623-9	2.6	9
17	The integrated processes for wastewater treatment based on the principle of microbial fuel cells: A review. *Critical Reviews in Environmental Science and Technology*, **2016**, 46, 60-91	11.1	114
16	Promoting the bio-cathode formation of a constructed wetland-microbial fuel cell by using powder activated carbon modified alum sludge in anode chamber. *Scientific Reports*, **2016**, 6, 26514	4.9	36
15	Enhancing anaerobic digestion of lignocellulosic materials in excess sludge by bioaugmentation and pre-treatment. *Waste Management*, **2016**, 49, 55-63	8.6	47
14	Key issues to consider when using alum sludge as substrate in constructed wetland. *Water Science and Technology*, **2015**, 71, 1775-82	2.2	8
13	A review of incorporation of constructed wetland with other treatment processes. *Chemical Engineering Journal*, **2015**, 279, 220-230	14.7	105
12	Nitrogen dynamics model for a pilot field-scale novel dewatered alum sludge cake-based constructed wetland system. *Environmental Technology (United Kingdom)*, **2015**, 36, 732-41	2.6	3
11	A review of a recently emerged technology: Constructed wetland--Microbial fuel cells. *Water Research*, **2015**, 85, 38-45	12.5	217
10	Enhancing the CH4 yield of anaerobic digestion via endogenous CO2 fixation by exogenous H2. *Chemosphere*, **2015**, 140, 34-9	8.4	50
9	Robust biological nitrogen removal by creating multiple tides in a single bed tidal flow constructed wetland. *Science of the Total Environment*, **2014**, 470-471, 1197-204	10.2	94
8	Achieving high-rate autotrophic nitrogen removal via Canon process in a modified single bed tidal flow constructed wetland. *Chemical Engineering Journal*, **2014**, 237, 329-335	14.7	36
7	Preliminary investigation of constructed wetland incorporating microbial fuel cell: Batch and continuous flow trials. *Chemical Engineering Journal*, **2013**, 229, 364-370	14.7	191
6	Comments on Reduction in carbon dioxide and production of methane by biological reaction in the electronics industry by Kim et al., International Journal of Hydrogen Energy 2013;38:3488–3496. *International Journal of Hydrogen Energy*, **2013**, 38, 13842-13844	6.7	2

5	Looking beyond struvite for P-recovery. *Environmental Science & Technology*, **2013**, 47, 4965-6	10.3	159
4	High rate nitrogen removal in an alum sludge-based intermittent aeration constructed wetland. *Environmental Science & Technology*, **2012**, 46, 4583-90	10.3	136
3	Effects of livestock wastewater variety and disinfectants on the performance of constructed wetlands in organic matters and nitrogen removal. *Environmental Science and Pollution Research*, **2011**, 18, 1414-21	5.1	10
2	Removal of glyphosate from aqueous environment by adsorption using water industrial residual. *Desalination*, **2011**, 271, 150-156	10.3	101
1	A Two-Prong Approach of Beneficial Reuse of Alum Sludge in Engineered Wetland: First Experience from Ireland. *Waste and Biomass Valorization*, **2010**, 1, 227-234	3.2	14