

Hui Gong

List of Publications by Year in Descending Order

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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.

62

papers

935

citations

18

h-index

29

g-index

69

ext. papers

1,283

ext. citations

7.8

avg, IF

4.81

L-index

#	Paper	IF	Citations
62	Advanced organic recovery from municipal wastewater with an enhanced magnetic separation (EMS) system: Pilot-scale verification.. <i>Water Research</i> , 2022 , 217, 118449	12.5	0
61	Modeling and optimization of the hydrolysis and acidification via liquid fraction of digestate from corn straw by response surface methodology and artificial neural network. <i>Journal of Cleaner Production</i> , 2022 , 132241	10.3	0
60	Selective Ion Removal by Capacitive Deionization (CDI)-Based Technologies. <i>Processes</i> , 2022 , 10, 1075	2.9	2
59	One-stage partial nitrification-anammox treatment of reject water from high-solid-sludge anaerobic digestion with thermal hydrolysis pretreatment: Inhibition and system recovery. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107958	6.8	0
58	Hydrogenotrophic methanogenic granular sludge formation for highly efficient transforming hydrogen to CH ₄ . <i>Journal of Environmental Management</i> , 2021 , 113999	7.9	0
57	Carbon-nitrogen nexus changed by improved organic carbon pre-concentration and autotrophic deammonification to improve wastewater treatment energy self-sufficiency. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102432	6.7	0
56	A novel anammox aggregate nourished sustainably internal heterotrophic nitrate removal pathway with endogenous carbon source.. <i>Bioresource Technology</i> , 2021 , 346, 126525	11	2
55	Performance and microbial community evaluation of full-scale two-phase anaerobic digestion of waste activated sludge.. <i>Science of the Total Environment</i> , 2021 , 152525	10.2	1
54	Utilizing hydrolysis and acidification via liquid fraction of digestate (LFD-HA) for methane production enhancement of corn straw: Physicochemical and microbial community characterization. <i>Journal of Cleaner Production</i> , 2021 , 326, 129282	10.3	3
53	First experimental constraints on WIMP couplings in the effective field theory framework from CDEX. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	1
52	Advanced nitrogen removal in a fixed-bed anaerobic ammonia oxidation reactor following an anoxic/oxic reactor: Nitrogen removal contributions and mechanisms. <i>Bioresource Technology</i> , 2021 , 320, 124297	11	3
51	Spontaneous mainstream anammox in a full-scale wastewater treatment plant with hybrid sludge retention time in a temperate zone of China. <i>Water Environment Research</i> , 2021 , 93, 854-864	2.8	4
50	Ammonia removal from low-strength municipal wastewater by powdered resin combined with simultaneous recovery as struvite. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1	5.8	2
49	High-solid anaerobic digestion of sewage sludge: achievements and perspectives. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1	5.8	18
48	The transition temperature (42°C) from mesophilic to thermophilic micro-organisms enhances biomethane potential of corn stover. <i>Science of the Total Environment</i> , 2021 , 759, 143549	10.2	1
47	Unbalanced inhibition on granular and mixed anammox sludge by different molecular weight fractions of unbiodegradable proportion of sludge anaerobic digestion reject water. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102197	6.7	3
46	Conceptual design of the grazing-incidence focusing small-angle neutron scattering (gif-SANS) instrument at CPHS. <i>Journal of Neutron Research</i> , 2021 , 23, 201-205	0.5	1

45	Up-concentration processes of organics for municipal wastewater treatment: New trends in separation. <i>Science of the Total Environment</i> , 2021 , 787, 147690	10.2	5
44	Optimizing granular anammox retention via hydrocycloning during two-stage deammonification of high-solid sludge anaerobic digester supernatant. <i>Science of the Total Environment</i> , 2021 , 791, 148048	10.2	0
43	Performance of partial nitritation - microfiltration-anammox (PN-MF-A) process with enhanced system stability via in-between membrane filtration for sludge anaerobic reject water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106005	6.8	1
42	The evaluation of GHG emissions from Shanghai municipal wastewater treatment plants based on IPCC and operational data integrated methods (ODIM). <i>Science of the Total Environment</i> , 2021 , 797, 148967	10.2	3
41	Variations of heavy metals, nutrients, POPs and particle size distribution during "sludge anaerobic digestion-solar drying-land utilization process": Case study in China. <i>Science of the Total Environment</i> , 2021 , 801, 149609	10.2	5
40	Insight into the benefits of anammox bacteria living as aggregates. <i>Bioresource Technology</i> , 2020 , 318, 124103	11	11
39	Optimized scaling-up towards commercial ultrafiltration-pre-concentration-based integrated sewage resource recovery for cleaner production. <i>Journal of Cleaner Production</i> , 2020 , 269, 122275	10.3	4
38	Fabrication of zeolite NaX-doped electrospun porous fiber membrane for simultaneous ammonium recovery and organic carbon enrichment. <i>Journal of Membrane Science</i> , 2020 , 603, 118030	9.6	2
37	Aerobic granular sludge formation based on substrate availability: Effects of flow pattern and fermentation pretreatment. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	5
36	Enhanced triallyl isocyanurate (TAIC) degradation through application of an O3/UV process: Performance optimization and degradation pathways. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1	5.8	2
35	Revealing the intrinsic differences between static and flow electrode capacitive deionization by introducing semi-flow electrodes. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 362-372	4.2	5
34	Application of in-situ H-assisted biogas upgrading in high-rate anaerobic wastewater treatment. <i>Bioresource Technology</i> , 2020 , 299, 122598	11	25
33	An overview of removing heavy metals from sewage sludge: Achievements and perspectives. <i>Environmental Pollution</i> , 2020 , 266, 115375	9.3	35
32	Optimizing dry anaerobic digestion at pilot scale for start-up strategy and long-term operation: Organic loading rate, temperature and co-digestion. <i>Bioresource Technology</i> , 2020 , 316, 123828	11	11
31	Evaluation of bacterial association in methane generation pathways of an anaerobic digesting sludge via metagenomic sequencing. <i>Archives of Microbiology</i> , 2020 , 202, 31-41	3	12
30	Integrating floc, aggregate and carrier to reap high-quality anammox biofilm. <i>Bioresource Technology</i> , 2020 , 309, 123325	11	11
29	Expected Rural Wastewater Treatment Promoted by Provincial Local Discharge Limit Legislation in China. <i>Sustainability</i> , 2019 , 11, 2756	3.6	6
28	Revealing the effect of preparation parameters on zeolite adsorption performance for low and medium concentrations of ammonium. <i>Journal of Environmental Sciences</i> , 2019 , 85, 177-188	6.4	13

27	Metagenomic analysis and characterization of acidogenic microbiome and effect of pH on organic acid production. <i>Archives of Microbiology</i> , 2019 , 201, 1163-1171	3	12
26	Strategies to improve aerobic granular sludge stability and nitrogen removal based on feeding mode and substrate. <i>Journal of Environmental Sciences</i> , 2019 , 84, 144-154	6.4	29
25	Municipal wastewater treatment in China: Development history and future perspectives. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	127
24	Enhanced membrane-based pre-concentration improves wastewater organic matter recovery: Pilot-scale performance and membrane fouling. <i>Journal of Cleaner Production</i> , 2019 , 206, 307-314	10.3	30
23	Performances of a prototype point-contact germanium detector immersed in liquid nitrogen for light dark matter search. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	3
22	Redesigning C and N mass flows for energy-neutral wastewater treatment by coagulation adsorption enhanced membrane (CAEM)-based pre-concentration process. <i>Chemical Engineering Journal</i> , 2018 , 342, 304-309	14.7	17
21	Aerobic granules cultivated with simultaneous feeding/draw mode and low-strength wastewater: Performance and bacterial community analysis. <i>Bioresource Technology</i> , 2018 , 261, 232-239	11	27
20	Recovering ammonia from municipal wastewater by flow-electrode capacitive deionization. <i>Chemical Engineering Journal</i> , 2018 , 348, 301-309	14.7	63
19	Pilot-Scale Hydrolysis-Aerobic Treatment for Actual Municipal Wastewater: Performance and Microbial Community Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	5
18	Imbalanced Development and Economic Burden for Urban and Rural Wastewater Treatment in China Discharge Limit Legislation. <i>Sustainability</i> , 2018 , 10, 2597	3.6	10
17	Not-in-My-Backyard: Legislation Requirements and Economic Analysis for Developing Underground Wastewater Treatment Plant in China. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	5
16	Nitrogen recovery from low-strength wastewater by combined membrane capacitive deionization (MCDI) and ion exchange (IE) process. <i>Chemical Engineering Journal</i> , 2017 , 316, 1-6	14.7	69
15	Effects of adsorbent cake layer on membrane fouling during hybrid coagulation/adsorption microfiltration for sewage organic recovery. <i>Chemical Engineering Journal</i> , 2017 , 317, 751-757	14.7	26
14	Improved low-carbon-consuming fouling control in long-term membrane-based sewage pre-concentration: The role of enhanced coagulation process and air backflushing in sustainable sewage treatment. <i>Journal of Membrane Science</i> , 2017 , 529, 252-262	9.6	19
13	Finding better draw solutes for osmotic heat engines: Understanding transport of ions during pressure retarded osmosis. <i>Desalination</i> , 2017 , 421, 32-39	10.3	16
12	First results on ⁷⁶ Ge neutrinoless double beta decay from CDEX-1 experiment. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017 , 60, 1	3.6	9
11	Time-resolved XAFS measurement using quick-scanning techniques at BSRF. <i>Journal of Synchrotron Radiation</i> , 2017 , 24, 674-678	2.4	5
10	Organics and nitrogen recovery from sewage via membrane-based pre-concentration combined with ion exchange process. <i>Chemical Engineering Journal</i> , 2017 , 311, 13-19	14.7	39

9	Efficient sewage pre-concentration with combined coagulation microfiltration for organic matter recovery. <i>Chemical Engineering Journal</i> , 2016 , 292, 130-138	14.7	34
8	Membrane fouling controlled by coagulation/adsorption during direct sewage membrane filtration (DSMF) for organic matter concentration. <i>Journal of Environmental Sciences</i> , 2015 , 32, 1-7	6.4	24
7	Application of hybrid coagulation microfiltration with air backflushing to direct sewage concentration for organic matter recovery. <i>Journal of Hazardous Materials</i> , 2015 , 283, 824-31	12.8	33
6	Direct sewage filtration for concentration of organic matters by dynamic membrane. <i>Water Science and Technology</i> , 2014 , 70, 1434-40	2.2	19
5	Design of Giga bit Ethernet readout module based on ZYNQ for HPGe 2014 ,		5
4	Introduction to the CDEX experiment. <i>Frontiers of Physics</i> , 2013 , 8, 412-437	3.7	70
3	Concentrating process of liquid digestate by disk tube-reverse osmosis system. <i>Desalination</i> , 2013 , 326, 30-36	10.3	40
2	Highly Sensitive Determination of Iron Ions in Water With Bromopyrogallol Red by Light Absorption Ratio Variation Spectrophotometry. <i>Instrumentation Science and Technology</i> , 2009 , 37, 204-217	1.4	1
1	Design of the Online Integral Dose Monitor System for BESIII EMC. <i>Journal of Nuclear Science and Technology</i> , 2008 , 45, 253-255		1