

# Liang Fu

## List of Publications by Year in descending order

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31  
papers

1,275  
citations

279798

23  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Responses of the Microalga <i>Chlorophyta</i> sp. to Bacterial Quorum Sensing Molecules ( <i>N</i> -Acylhomoserine Lactones): Aromatic Protein-Induced Self-Aggregation. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3490-3498.	10.0	102
2	Humic substances as electron acceptors for anaerobic oxidation of methane driven by ANME-2d. <i>Water Research</i> , 2019, 164, 114935.	11.3	95
3	Decoupling of DAMO archaea from DAMO bacteria in a methane-driven microbial fuel cell. <i>Water Research</i> , 2017, 110, 112-119.	11.3	86
4	Cr(VI) reduction coupled with anaerobic oxidation of methane in a laboratory reactor. <i>Water Research</i> , 2016, 102, 445-452.	11.3	80
5	Iron reduction in the DAMO/ <i>Shewanella oneidensis</i> MR-1 coculture system and the fate of Fe(II). <i>Water Research</i> , 2016, 88, 808-815.	11.3	74
6	Design and evaluation of universal 16S rRNA gene primers for high-throughput sequencing to simultaneously detect DAMO microbes and anammox bacteria. <i>Water Research</i> , 2015, 87, 385-394.	11.3	68
7	Excessive phosphorus enhances <i>Chlorella regularis</i> lipid production under nitrogen starvation stress during glucose heterotrophic cultivation. <i>Chemical Engineering Journal</i> , 2017, 330, 566-572.	12.7	65
8	Simultaneous enrichment of denitrifying anaerobic methane-oxidizing microorganisms and anammox bacteria in a hollow-fiber membrane biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 437-446.	3.6	58
9	Excessive phosphorus caused inhibition and cell damage during heterotrophic growth of <i>Chlorella regularis</i> . <i>Bioresource Technology</i> , 2018, 268, 266-270.	9.6	51
10	Quorum sensing molecules in activated sludge could trigger microalgae lipid synthesis. <i>Bioresource Technology</i> , 2018, 263, 576-582.	9.6	49
11	Hollow fiber membrane bioreactor affects microbial community and morphology of the DAMO and Anammox co-culture system. <i>Bioresource Technology</i> , 2017, 232, 247-253.	9.6	48
12	New primers for detecting and quantifying denitrifying anaerobic methane oxidation archaea in different ecological niches. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9805-9812.	3.6	46
13	Environmental evaluation of coexistence of denitrifying anaerobic methane-oxidizing archaea and bacteria in a paddy field. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 439-446.	3.6	43
14	Nitrogen source effects on the denitrifying anaerobic methane oxidation culture and anaerobic ammonium oxidation bacteria enrichment process. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3895-3906.	3.6	41
15	Tracking the activity of the Anammox-DAMO process using excitation-emission matrix (EEM) fluorescence spectroscopy. <i>Water Research</i> , 2017, 122, 624-632.	11.3	38
16	Chromium isotope fractionation during Cr(VI) reduction in a methane-based hollow-fiber membrane biofilm reactor. <i>Water Research</i> , 2018, 130, 263-270.	11.3	38
17	Promoting <i>Chlorella</i> photosynthesis and bioresource production using directionally prepared carbon dots with tunable emission. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 195-203.	9.4	36
18	Degradation of organic pollutants by anaerobic methane-oxidizing microorganisms using methyl orange as example. <i>Journal of Hazardous Materials</i> , 2019, 364, 264-271.	12.4	32

#	ARTICLE	IF	CITATIONS
19	The content of trace element iron is a key factor for competition between anaerobic ammonium oxidation and methane-dependent denitrification processes. <i>Chemosphere</i> , 2018, 198, 370-376.	8.2	30
20	Hormesis effects of phosphorus on the viability of <i>Chlorella regularis</i> cells under nitrogen limitation. <i>Biotechnology for Biofuels</i> , 2019, 12, 121.	6.2	30
21	Co-culture of <i>Chlorella</i> and <i>Scenedesmus</i> could enhance total lipid production under bacteria quorum sensing molecule stress. <i>Journal of Water Process Engineering</i> , 2021, 39, 101739.	5.6	29
22	Mass transfer affects reactor performance, microbial morphology, and community succession in the methane-dependent denitrification and anaerobic ammonium oxidation co-culture. <i>Science of the Total Environment</i> , 2019, 651, 291-297.	8.0	27
23	The role of paraffin oil on the interaction between denitrifying anaerobic methane oxidation and Anammox processes. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7925-7936.	3.6	25
24	Carbon dots enhance the recovery of microalgae bioresources from wastewater containing amoxicillin. <i>Bioresource Technology</i> , 2021, 335, 125258.	9.6	18
25	Benzoic and salicylic acid are the signaling molecules of <i>Chlorella</i> cells for improving cell growth. <i>Chemosphere</i> , 2021, 265, 129084.	8.2	15
26	Trace phenolic acids simultaneously enhance degradation of chlorophenol and biofuel production by <i>Chlorella regularis</i> . <i>Water Research</i> , 2022, 218, 118524.	11.3	13
27	Experimental evaluation of the metabolic reversibility of ANME-2d between anaerobic methane oxidation and methanogenesis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6481-6490.	3.6	12
28	Using easy-to-biodegrade co-substrate to eliminate microcystin toxic on electrochemically active bacteria and enhance bioelectricity generation from cyanobacteria biomass. <i>Science of the Total Environment</i> , 2021, 751, 142292.	8.0	9
29	<i>Shewanella</i> Drive Fe(III) Reduction to Promote Electro-Fenton Reactions and Enhance Fe Inner-Cycle. <i>ACS ES&amp;T Water</i> , 2021, 1, 613-620.	4.6	8
30	Microalgae tolerant of boron stress and bioresources accumulation during the boron removal process. <i>Environmental Research</i> , 2022, 208, 112639.	7.5	6
31	Phosphorus supply via a fed-batch strategy improves lipid heterotrophic production of <i>Chlorella regularis</i> . <i>Environmental Science and Pollution Research</i> , 2020, 27, 31677-31685.	5.3	3