

List of Publications by Citations

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**Version:** 2024-04-09

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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.

100 papers	1,880 citations	26 h-index	39 g-index
106 ext. papers	2,613 ext. citations	6.9 avg, IF	5.36 L-index

#	Paper	IF	Citations
100	Optimization and microbial community analysis of anaerobic co-digestion of food waste and sewage sludge based on microwave pretreatment. <i>Bioresource Technology</i> , <b>2016</b> , 200, 253-61	11	145
99	The effects of edible chitosan-based coatings on flavor quality of raw grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets during refrigerated storage. <i>Food Chemistry</i> , <b>2018</b> , 242, 412-420	8.5	113
98	Rheological properties of sewage sludge during enhanced anaerobic digestion with microwave-H <sub>2</sub> O <sub>2</sub> pretreatment. <i>Water Research</i> , <b>2016</b> , 98, 98-108	12.5	70
97	The characteristics and influencing factors of the attached microalgae cultivation: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 94, 1110-1119	16.2	69
96	The shelf life extension of refrigerated grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets by chitosan coating combined with glycerol monolaurate. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 448-454	7.9	65
95	Dynamics and diversity of microbial community succession during fermentation of Suan yu, a Chinese traditional fermented fish, determined by high throughput sequencing. <i>Food Research International</i> , <b>2018</b> , 111, 565-573	7	65
94	Microfluidic Flow through Polyaniline Supported by Lamellar-Structured Graphene for Mass-Transfer-Enhanced Electrocatalytic Reduction of Hexavalent Chromium. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13534-41	10.3	64
93	Overview of membrane technology applications for industrial wastewater treatment in China to increase water supply. <i>Resources, Conservation and Recycling</i> , <b>2015</b> , 105, 1-10	11.9	60
92	Optimization of MBR hydrodynamics for cake layer fouling control through CFD simulation and RSM design. <i>Bioresource Technology</i> , <b>2017</b> , 227, 102-111	11	52
91	Characteristics and formation mechanism of membrane fouling in a full-scale RO wastewater reclamation process: Membrane autopsy and fouling characterization. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 843-856	9.6	48
90	Development and properties of bacterial cellulose, curcumin, and chitosan composite biodegradable films for active packaging materials. <i>Carbohydrate Polymers</i> , <b>2021</b> , 260, 117778	10.3	40
89	Inhibitory effects of chitosan-based coatings on endogenous enzyme activities, proteolytic degradation and texture softening of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at 4 °C. <i>Food Chemistry</i> , <b>2018</b> , 262, 1-6	8.5	38
88	Ammonia stress reduces antibiotic efflux but enriches horizontal gene transfer of antibiotic resistance genes in anaerobic digestion. <i>Bioresource Technology</i> , <b>2020</b> , 295, 122191	11	36
87	Profiles and drivers of antibiotic resistance genes distribution in one-stage and two-stage sludge anaerobic digestion based on microwave-H <sub>2</sub> O pretreatment. <i>Bioresource Technology</i> , <b>2017</b> , 241, 573-581	11	35
86	Effects of nitrogen and phosphorus concentrations on the growth of microalgae <i>Scenedesmus</i> . LX1 in suspended-solid phase photobioreactors (ssPBR). <i>Biomass and Bioenergy</i> , <b>2018</b> , 109, 47-53	5.3	34
85	Endogenous ternary pH buffer system with ammonia-carbonates-VFAs in high solid anaerobic digestion of swine manure: An alternative for alleviating ammonia inhibition?. <i>Process Biochemistry</i> , <b>2018</b> , 69, 144-152	4.8	34
84	Recent advances in quality retention of non-frozen fish and fishery products: A review. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2020</b> , 60, 1747-1759	11.5	32

83	Differential roles of ice crystal, endogenous proteolytic activities and oxidation in softening of obscure pufferfish ( <i>Takifugu obscurus</i> ) fillets during frozen storage. <i>Food Chemistry</i> , <b>2019</b> , 278, 452-459	8.5	31
82	Performance of a sequencing-batch membrane bioreactor (SMBR) with an automatic control strategy treating high-strength swine wastewater. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 342, 210-219	12.8	30
81	Fates of intracellular and extracellular antibiotic resistance genes and microbial community structures in typical swine wastewater treatment processes. <i>Environment International</i> , <b>2019</b> , 133, 105183	12.9	30
80	Bio-based edible coatings for the preservation of fishery products: A Review. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2019</b> , 59, 2481-2493	11.5	30
79	Effects of chitosan coating combined with essential oils on quality and antioxidant enzyme activities of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at 4°C. <i>International Journal of Food Science and Technology</i> , <b>2017</b> , 52, 404-412	3.8	29
78	A new study of cell disruption to release recombinant thermostable enzyme from <i>Escherichia coli</i> by thermolysis. <i>Journal of Biotechnology</i> , <b>2007</b> , 129, 668-73	3.7	29
77	Does the biological treatment or membrane separation reduce the antibiotic resistance genes from swine wastewater through a sequencing-batch membrane bioreactor treatment process. <i>Environment International</i> , <b>2018</b> , 118, 274-281	12.9	28
76	Biogas-pH automation control strategy for optimizing organic loading rate of anaerobic membrane bioreactor treating high COD wastewater. <i>Bioresource Technology</i> , <b>2016</b> , 203, 62-70	11	27
75	Inhibition of microbial spoilage of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets with a chitosan-based coating during refrigerated storage. <i>International Journal of Food Microbiology</i> , <b>2018</b> , 285, 61-68	5.8	27
74	Physicochemical, microbiological, and sensory attributes of chitosan-coated grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at 4°C. <i>International Journal of Food Properties</i> , <b>2017</b> , 20, 390-401	3.0	26
73	Theoretical investigation of high-efficiency organic electroluminescent material: HLCT state and hot exciton process. <i>RSC Advances</i> , <b>2017</b> , 7, 19576-19583	3.7	24
72	The relationship between degradation of myofibrillar structural proteins and texture of superchilled grass carp ( <i>Ctenopharyngodon idella</i> ) fillet. <i>Food Chemistry</i> , <b>2019</b> , 301, 125278	8.5	24
71	Preparation of PVDF-CTFE hydrophobic membrane by non-solvent induced phase inversion: Relation between polymorphism and phase inversion. <i>Journal of Membrane Science</i> , <b>2018</b> , 550, 480-491	9.6	23
70	Formation and characteristics of a ternary pH buffer system for in-situ biogas upgrading in two-phase anaerobic membrane bioreactor treating starch wastewater. <i>Bioresource Technology</i> , <b>2018</b> , 269, 57-66	11	23
69	Correlations between microbiota succession and flavor formation during fermentation of Chinese low-salt fermented common carp ( <i>Cyprinus carpio</i> L.) inoculated with mixed starter cultures. <i>Food Microbiology</i> , <b>2020</b> , 90, 103487	6	22
68	Effects of chlortetracycline, Cu and their combination on the performance and microbial community dynamics in swine manure anaerobic digestion. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 67, 206-215	6.4	21
67	Effects of endogenous inhibitors on the evolution of antibiotic resistance genes during high solid anaerobic digestion of swine manure. <i>Bioresource Technology</i> , <b>2018</b> , 270, 328-336	11	21
66	Enhanced attached growth of microalgae <i>Scenedesmus</i> . LX1 through ambient bacterial pre-coating of cotton fiber carriers. <i>Bioresource Technology</i> , <b>2016</b> , 218, 643-9	11	20

65	Effects of aeration on matrix temperature by infrared thermal imager and computational fluid dynamics during sludge bio-drying. <i>Water Research</i> , <b>2017</b> , 122, 317-328	12.5	19
64	CFD simulation and optimization of membrane scouring and nitrogen removal for an airlift external circulation membrane bioreactor. <i>Bioresource Technology</i> , <b>2016</b> , 219, 566-575	11	19
63	Relieving ammonia inhibition by zero-valent iron (ZVI) dosing to enhance methanogenesis in the high solid anaerobic digestion of swine manure. <i>Waste Management</i> , <b>2020</b> , 118, 452-462	8.6	19
62	Membrane Fouling Characteristics of a Side-Stream Tubular Anaerobic Membrane Bioreactor (AnMBR) Treating Domestic Wastewater. <i>Processes</i> , <b>2018</b> , 6, 50	2.9	16
61	Numerical optimization of membrane module design and operation for a full-scale submerged MBR by computational fluid dynamics. <i>Bioresource Technology</i> , <b>2018</b> , 269, 300-308	11	16
60	Roles of hydroxylamine and hydrazine in the in-situ recovery of one-stage partial nitrification-anammox process: Characteristics and mechanisms. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 135648	10.2	15
59	A strategy of ultrasound-assisted processing to improve the performance of bio-based coating preservation for refrigerated carp fillets ( <i>Ctenopharyngodon idellus</i> ). <i>Food Chemistry</i> , <b>2021</b> , 345, 128862	8.5	15
58	The inherited variations of a p53-responsive enhancer in 13q12.12 confer lung cancer risk by attenuating TNFRSF19 expression. <i>Genome Biology</i> , <b>2019</b> , 20, 103	18.3	14
57	Relative Phase Noise-Induced Phase Error and System Impairment in Pump Depletion/Nondepletion Regime. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 2277-2286	4	12
56	Biochemical Conversion and Microbial Community in Response to Ternary pH Buffer System during Anaerobic Digestion of Swine Manure. <i>Energies</i> , <b>2018</b> , 11, 2991	3.1	12
55	Who contributes more to NO emission during sludge bio-drying with two different aeration strategies, nitrifiers or denitrifiers?. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 3393-3404	5.7	11
54	Freshness assessment of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets during storage at 4°C by physicochemical, microbiological and sensorial evaluations. <i>Journal of Food Safety</i> , <b>2017</b> , 37, e12305	2	11
53	Characterization and Dynamic Shift of Microbial Communities during Start-Up, Overloading and Steady-State in an Anaerobic Membrane Bioreactor. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	11
52	Comparative study on quality characteristics of pickled and fermented sturgeon ( <i>Acipenser sinensis</i> ) meat in retort cooking. <i>International Journal of Food Science and Technology</i> , <b>2019</b> , 54, 2553-2562	2.8	10
51	Mode-dependent characteristics of Rayleigh backscattering in weakly-coupled few-mode fiber. <i>Optics Communications</i> , <b>2015</b> , 346, 15-20	2	10
50	Thermolysis of recombinant <i>Escherichia coli</i> for recovering a thermostable enzyme. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 33, 94-98	4.2	10
49	Coupling anammox with denitrification in a full-scale combined biological nitrogen removal process for swine wastewater treatment. <i>Bioresource Technology</i> , <b>2021</b> , 329, 124906	11	10
48	The factors influencing the flavor characteristics of frozen obscure pufferfish ( <i>Takifugu obscurus</i> ) during storage: Ice crystals, endogenous proteolysis and oxidation. <i>International Journal of Refrigeration</i> , <b>2021</b> , 122, 147-155	3.8	10

47	Quality of giant freshwater prawn ( <i>Macrobrachium rosenbergii</i> ) during the storage at $-18^{\circ}\text{C}$ as affected by different methods of freezing. <i>International Journal of Food Properties</i> , <b>2018</b> , 21, 2100-2109 <sup>3</sup>	10
46	Fouling characteristics and cleaning strategies of NF membranes for the advanced treatment of antibiotic production wastewater. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 8967-8977	5.1 9
45	Fouling analysis of membrane bioreactor treating antibiotic production wastewater at different hydraulic retention times. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 9026-9035	5.1 9
44	Multiple effects of trace elements on methanogenesis in a two-phase anaerobic membrane bioreactor treating starch wastewater. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 6631-6642	5.7 9
43	SATB1 Mediates Long-Range Chromatin Interactions: A Dual Regulator of Anti-Apoptotic BCL2 and Pro-Apoptotic NOXA Genes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139170	3.7 9
42	The performance evaluation and kinetics response of advanced anaerobic digestion for sewage sludge under different SRT during semi-continuous operation. <i>Bioresource Technology</i> , <b>2020</b> , 308, 123239 <sup>1</sup>	8
41	Effect of proton pump inhibitor on microbial community, function, and kinetics in anaerobic digestion with ammonia stress. <i>Bioresource Technology</i> , <b>2021</b> , 319, 124118	11 8
40	All-Fiber Tunable LP11 Mode Rotator With 360° Range. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-7	1.8 7
39	Optimization of In Situ Backwashing Frequency for Stable Operation of Anaerobic Ceramic Membrane Bioreactor. <i>Processes</i> , <b>2020</b> , 8, 545	2.9 6
38	Improving Mass Transfer in Gas-Liquid by Ionic Liquids Dispersion. <i>Journal of Dispersion Science and Technology</i> , <b>2012</b> , 33, 1723-1729	1.5 6
37	Ammonia stress decreased biomarker genes of acetoclastic methanogenesis and second peak of production rates during anaerobic digestion of swine manure. <i>Bioresource Technology</i> , <b>2020</b> , 317, 124012 <sup>1</sup>	6
36	The Effects of Chitosan Coating on Biogenic Amines Inhibition and Microbial Succession of Refrigerated Grass Carp ( <i>Ctenopharyngodon idellus</i> ) Fillets. <i>Journal of Aquatic Food Product Technology</i> , <b>2017</b> , 26, 1266-1279	1.6 5
35	Numerical simulation of scaling-up for AEC-MBRs regarding membrane module configurations and cyclic aeration modes. <i>Bioresource Technology</i> , <b>2017</b> , 245, 933-943	11 5
34	Relevance of collagen solubility and gelatinolytic proteinase activity for texture softening in chilled grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets. <i>International Journal of Food Science and Technology</i> , <b>2021</b> , 56, 1801-1808	3.8 5
33	Advances in the application of chitosan as a sustainable bioactive material in food preservation. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-36	11.5 5
32	Comparison of methodological proposal in sensory evaluation for Chinese mitten crab ( <i>Eriocheir sinensis</i> ) by data mining and sensory panel. <i>Food Chemistry</i> , <b>2021</b> , 356, 129698	8.5 5
31	Characterization and mitigation of phase-modulation-dependent loss of liquid crystal on silicon. <i>Optics Letters</i> , <b>2015</b> , 40, 1484-7	3 4
30	Characterization of Rayleigh backscattering arising in various two-mode fibers. <i>Optics Express</i> , <b>2016</b> , 24, 12192-201	3.3 4

29	Expression of intracellular interferon-alpha confers antiviral properties in transfected bovine fetal fibroblasts and does not affect the full development of SCNT embryos. <i>PLoS ONE</i> , <b>2014</b> , 9, e94444	3.7	4
28	Effects of Solids Retention Time on the Anaerobic Membrane Bioreactor with Yttria-Based Ceramic Membrane Treating Domestic Wastewater at Ambient Temperature. <i>Membranes</i> , <b>2020</b> , 10,	3.8	4
27	Comparison of an integrated short-cut biological nitrogen removal process with magnetic coagulation treating swine wastewater and food waste digestate. <i>Bioresource Technology</i> , <b>2021</b> , 329, 124904	11	4
26	Effects of returning NF concentrate on the MBR-NF process treating antibiotic production wastewater. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 13114-27	5.1	4
25	Development of a Short-Cut Combined Magnetic Coagulation-Sequence Batch Membrane Bioreactor for Swine Wastewater Treatment. <i>Membranes</i> , <b>2021</b> , 11,	3.8	4
24	Effects of hydraulic retention time on net present value and performance in a membrane bioreactor treating antibiotic production wastewater. <i>Frontiers of Environmental Science and Engineering</i> , <b>2020</b> , 14, 1	5.8	3
23	The key enzymes and flavor precursors involved in formation of characteristic flavor compounds of low-salt fermented common carp ( <i>Cyprinus carpio</i> L.). <i>LWT - Food Science and Technology</i> , <b>2022</b> , 154, 112806	5.4	3
22	Vacuum impregnation of chitosan coating combined with water-soluble polyphenol extracts on sensory, physical state, microbiota composition and quality of refrigerated grass carp slices. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 847-855	7.9	3
21	Effect of freezing methods on quality changes of grass carp during frozen storage. <i>Journal of Food Process Engineering</i> , <b>2020</b> , 43, e13539	2.4	3
20	Identification of characteristic flavor and microorganisms related to flavor formation in fermented common carp ( <i>Cyprinus carpio</i> L.). <i>Food Research International</i> , <b>2022</b> , 155, 111128	7	3
19	Role Underplayed: Research on the Weakening Function of the All-China Sports Federation from a Historical Perspective. <i>International Journal of the History of Sport</i> , <b>2015</b> , 32, 1279-1290	0.1	2
18	Chitosan/zein bilayer films with one-way water barrier characteristic: Physical, structural and thermal properties.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 200, 378-387	7.9	2
17	Multifunctional bioactive coatings based on water-soluble chitosan with pomegranate peel extract for fish flesh preservation. <i>Food Chemistry</i> , <b>2021</b> , 374, 131619	8.5	2
16	Numerical simulation on the effects of bubble size and internal structure on flow behavior in a DAF tank: A comparative study of CFD and CFD-PBM approach. <i>Chemical Engineering Journal Advances</i> , <b>2021</b> , 7, 100131	3.6	2
15	Delivery and effects of proton pump inhibitor on anaerobic digestion of food and kitchen waste under ammonia stress. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 126211	12.8	2
14	A Robust Mode Converter Based on Liquid Crystal on Silicon (LCOS) With Off-Focus Operation. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-8	1.8	1
13	Effects of mixed-liquor rheology on vibration of hollow-fiber membrane via particle image velocimetry and computational fluid dynamics. <i>Separation and Purification Technology</i> , <b>2020</b> , 239, 116590	8.3	1
12	Metagenomics insights into the profiles of antibiotic resistome in combined sewage overflows from reads to metagenome assembly genomes.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 429, 128277	12.8	1



11	Effect of rainfall characteristics on the sewer sediment, hydrograph, and pollutant discharge of combined sewer overflow. <i>Journal of Environmental Management</i> , <b>2021</b> , 303, 114268	7.9	1
10	Comparison of NF membrane fouling and cleaning by two pretreatment strategies for the advanced treatment of antibiotic production wastewater. <i>Water Science and Technology</i> , <b>2016</b> , 73, 2260-7 <sup>2</sup>	7.2	1
9	Prediction of the Long-Term Effect of Iron on Methane Yield in an Anaerobic Membrane Bioreactor Using Bayesian Network Meta-Analysis. <i>Membranes</i> , <b>2021</b> , 11,	3.8	1
8	The impact of crucial protein degradation in intramuscular connective tissue on softening of ice-stored grass carp ( <i>Ctenopharyngodon idella</i> ) fillets. <i>International Journal of Food Science and Technology</i> , <b>2021</b> , 56, 3527-3535	3.8	1
7	Insights into the ambient temperature startup of an anaerobic ceramic membrane bioreactor with thermally hydrolyzed inoculum for domestic wastewater treatment. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 4, 100122	7.5	1
6	Effect of fermentation on immunological properties of allergens from black carp ( <i>Mylopharyngodon piceus</i> ) sausages. <i>International Journal of Food Science and Technology</i> , <b>2020</b> , 55, 3162-3172 <sup>0</sup>	3.8	0
5	The impacts of salt with Chinese liquor on the inhibition of microbial spoilage and quality attributes of grass carp ( <i>Ctenopharyngodon idellus</i> ) fillets stored at 4°C. <i>Journal of Food Processing and Preservation</i> , <b>2020</b> , 44, e14817	2.1	0
4	Model-Based Solution for Upgrading Nitrogen Removal for a Full-Scale Municipal Wastewater Treatment Plant with CASS Process. <i>Processes</i> , <b>2021</b> , 9, 527	2.9	0
3	Endogenous proteases in giant freshwater prawn ( <i>Macrobrachium rosenbergii</i> ): changes and its impacts on texture deterioration during frozen storage. <i>International Journal of Food Science and Technology</i> , <b>2021</b> , 56, 5824	3.8	0
2	Exploring an alternative source of DIETer to mitigate ammonia inhibition of swine manure by inoculum treating brewery wastewater. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	
1	Distribution and transformation of dissolved organic matters (DOMs) in membrane distillation for desulfurization wastewater in thermal power plant. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 46, 102363	6.7	