

# Guang-feng Yang

## List of Publications by Year in descending order

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49  
papers

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citations

279487

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docs citations

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times ranked

2007  
citing authors

#	ARTICLE	IF	CITATIONS
1	The inhibition of the Anammox process: A review. <i>Chemical Engineering Journal</i> , 2012, 197, 67-79.	6.6	692
2	The effect of sulfide inhibition on the ANAMMOX process. <i>Water Research</i> , 2013, 47, 1459-1469.	5.3	208
3	Comparison of nitrogen removal and microbial properties in solid-phase denitrification systems for water purification with various pretreated lignocellulosic carriers. <i>Bioresource Technology</i> , 2017, 224, 236-245.	4.8	151
4	Impacts of transient salinity shock loads on Anammox process performance. <i>Bioresource Technology</i> , 2012, 112, 124-130.	4.8	150
5	Distribution and Risk Assessment of Endocrine-Disrupting Pesticides in Drinking Water Sources from Agricultural Watershed. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	138
6	Development of simultaneous nitrification-denitrification (SND) in biofilm reactors with partially coupled a novel biodegradable carrier for nitrogen-rich water purification. <i>Bioresource Technology</i> , 2017, 243, 800-809.	4.8	82
7	Response of denitrifying community, denitrification genes and antibiotic resistance genes to oxytetracycline stress in polycaprolactone supported solid-phase denitrification reactor. <i>Bioresource Technology</i> , 2020, 308, 123274.	4.8	81
8	Changes in the nitrogen removal performance and the properties of granular sludge in an Anammox system under oxytetracycline (OTC) stress. <i>Bioresource Technology</i> , 2013, 129, 65-71.	4.8	78
9	The effect of Cu(II) stress on the activity, performance and recovery on the Anaerobic Ammonium-Oxidizing (Anammox) process. <i>Chemical Engineering Journal</i> , 2013, 226, 39-45.	6.6	75
10	The joint inhibitory effects of phenol, copper (II), oxytetracycline (OTC) and sulfide on Anammox activity. <i>Bioresource Technology</i> , 2012, 126, 187-192.	4.8	71
11	Floatation of flocculent and granular sludge in a high-loaded anammox reactor. <i>Bioresource Technology</i> , 2014, 169, 409-415.	4.8	60
12	Anammox in a UASB reactor treating saline wastewater. <i>Chemical Engineering Research and Design</i> , 2011, 89, 342-348.	2.7	59
13	The influences of temperature, salt and calcium concentration on the performance of anaerobic ammonium oxidation (anammox) process. <i>Chemical Engineering Journal</i> , 2015, 265, 58-66.	6.6	56
14	The evolution of Anammox performance and granular sludge characteristics under the stress of phenol. <i>Bioresource Technology</i> , 2013, 137, 332-339.	4.8	55
15	The properties of anaerobic ammonium oxidation (anammox) granules: Roles of ambient temperature, salinity and calcium concentration. <i>Separation and Purification Technology</i> , 2015, 147, 311-318.	3.9	54
16	Simultaneous nitrification&denitrification and microbial community profile in an oxygen-limiting intermittent aeration SBBR with biodegradable carriers. <i>Biodegradation</i> , 2018, 29, 473-486.	1.5	50
17	Evaluating the recovery performance of the ANAMMOX process following inhibition by phenol and sulfide. <i>Bioresource Technology</i> , 2013, 142, 162-170.	4.8	49
18	Insights into the effects of bio-augmentation on the granule-based anammox process under continuous oxytetracycline stress: Performance and microflora structure. <i>Chemical Engineering Journal</i> , 2018, 348, 503-513.	6.6	47

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19	Influence of effluent recirculation on the performance of Anammox process. <i>Chemical Engineering Journal</i> , 2012, 200-202, 176-185.	6.6	43
20	Performance and robustness of an ANAMMOX anaerobic baffled reactor subjected to transient shock loads. <i>Bioresource Technology</i> , 2012, 114, 126-136.	4.8	35
21	Estimating the recovery of ANAMMOX performance from inhibition by copper (II) and oxytetracycline (OTC). <i>Separation and Purification Technology</i> , 2013, 113, 90-103.	3.9	28
22	Optimization of continuous-flow solid-phase denitrification via coupling carriers in enhancing simultaneous removal of nitrogen and organics for agricultural runoff purification. <i>Biodegradation</i> , 2017, 28, 275-285.	1.5	26
23	Assessment of nutrient removal and microbial population dynamics in a non-aerated vertical baffled flow constructed wetland for contaminated water treatment with composite biochar addition. <i>Journal of Environmental Management</i> , 2019, 246, 355-361.	3.8	26
24	Characteristics of nitrogen removal and microbial community in biofilm system via combination of pretreated lignocellulosic carriers and various conventional fillers. <i>Biodegradation</i> , 2017, 28, 337-349.	1.5	24
25	Bioaugmentation as a useful strategy for performance enhancement in biological wastewater treatment undergoing different stresses: Application and mechanisms. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1877-1899.	6.6	23
26	Intensification and microbial pathways of simultaneous nitrification–denitrification in a sequencing batch biofilm reactor for seawater-based saline wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2766-2773.	1.6	23
27	Performance, kinetics characteristics and enhancement mechanisms in anammox process under Fe(II) enhanced conditions. <i>Biodegradation</i> , 2020, 31, 223-234.	1.5	23
28	Transient and long-term effects of bicarbonate on the ANAMMOX process. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1377-1388.	1.7	20
29	<i>Saccharospirillum alexandrii</i> sp. nov., isolated from the toxigenic marine dinoflagellate <i>Alexandrium catenella</i> LZT09. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 820-826.	0.8	20
30	Simultaneous enhancement of organics and nitrogen removal in drinking water biofilm pretreatment system with reed addition. <i>Bioresource Technology</i> , 2013, 129, 274-280.	4.8	19
31	Startup pattern and performance enhancement of pilot-scale biofilm process for raw water pretreatment. <i>Bioresource Technology</i> , 2014, 172, 22-31.	4.8	17
32	Enhancement removal of endocrine-disrupting pesticides and nitrogen removal in a biofilm reactor coupling of biodegradable <i>Phragmites communis</i> and elastic filler for polluted source water treatment. <i>Bioresource Technology</i> , 2015, 187, 331-337.	4.8	17
33	Start-up and stable operation of partial nitrification prior to ANAMMOX in an internal-loop airlift reactor. <i>Separation and Purification Technology</i> , 2013, 120, 458-466.	3.9	16
34	Performance and enhanced mechanism of a novel bio-diatomite biofilm pretreatment process treating polluted raw water. <i>Bioresource Technology</i> , 2015, 191, 271-280.	4.8	15
35	Variation in microbial populations and antibiotic resistance genes in mariculture sediments in the present of the seaweed <i>Ulva fasciata</i> and under selective pressure of oxytetracycline. <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111114.	2.9	15
36	Enhanced simultaneous nitrification and denitrification via addition of biodegradable carrier <i>Phragmites communis</i> in biofilm pretreatment reactor treating polluted source water. <i>Ecological Engineering</i> , 2015, 84, 346-353.	1.6	14

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37	Dynamics of denitrification performance and denitrifying community under high-dose acute oxytetracycline exposure and various biorecovery strategies in polycaprolactone-supported solid-phase denitrification. <i>Journal of Environmental Management</i> , 2021, 279, 111763.	3.8	13
38	Removal performance of nitrogen and endocrine-disrupting pesticides simultaneously in the enhanced biofilm system for polluted source water pretreatment. <i>Bioresource Technology</i> , 2014, 170, 549-555.	4.8	12
39	Response of performance and bacterial community to oligotrophic stress in biofilm systems for raw water pretreatment. <i>Biodegradation</i> , 2017, 28, 231-244.	1.5	12
40	Potential risk and control strategy of biofilm pretreatment process treating raw water. <i>Bioresource Technology</i> , 2015, 198, 456-463.	4.8	11
41	Performance and hydrodynamic features of a staged up-flow ANAMMOX sludge bed (SUASB) reactor. <i>Chemical Engineering Journal</i> , 2014, 253, 298-304.	6.6	10
42	Kinetic characteristics and bacterial structures in biofilm reactors with pre-cultured biofilm for source water pretreatment. <i>International Biodeterioration and Biodegradation</i> , 2017, 121, 26-34.	1.9	8
43	Performance improvement of raw water pretreatment process with pre-inoculation biofilm: feasibility and limiting factors. <i>Biodegradation</i> , 2017, 28, 111-123.	1.5	8
44	The role of <i>Ulva fasciata</i> in the evolution of the microbial community and antibiotic resistance genes in maricultural sediments. <i>Marine Pollution Bulletin</i> , 2021, 163, 111940.	2.3	6
45	Comparative analysis of denitrification performance, denitrifying community and functional genes to oxytetracycline exposure between single and hybrid biodegradable polymers supported solid-phase denitrification systems. <i>Biodegradation</i> , 2020, 31, 289-301.	1.5	5
46	Underestimated effects of sediments on enhanced startup performance of biofilm systems for polluted source water pretreatment. <i>Biodegradation</i> , 2018, 29, 89-103.	1.5	4
47	Interaction of tetrahydrofuran and methyl tert-butyl ether in waste gas treatment by a biotrickling filter bioaugmented with <i>Piscinibacter caeni</i> MQ-18 and <i>Pseudomonas oleovorans</i> DT4. <i>Chemosphere</i> , 2022, 286, 131552.	4.2	4
48	Performance and Spatial Distribution of Functional Bacteria under Low-Temperature Stress in Biofilm Systems for Polluted Source Water Pretreatment. <i>International Journal of Environmental Research</i> , 2019, 13, 769-780.	1.1	1
49	Effects of organic carbon source on the performance and bacterial structure in biofilm processes for source water pretreatment. <i>Journal of Physics: Conference Series</i> , 2021, 2009, 012010.	0.3	0