

Xiurong Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of carbon sources on sludge performance and microbial community for 4-chlorophenol wastewater treatment in sequencing batch reactors. <i>Bioresource Technology</i> , 2018, 255, 22-28.	9.6	88
2	Deciphering and Suppressing Overâ€Oxidized Nitrogen in Nickelâ€Catalyzed Urea Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26656-26662.	13.8	81
3	Mechanism of toxicity formation and spatial distribution in activated sludge treating synthetic effluent containing bisphenol A (BPA). <i>Chemical Engineering Journal</i> , 2014, 250, 91-98.	12.7	57
4	<i>Chlorella vulgaris</i> cultivation in sludge extracts from 2,4,6-TCP wastewater treatment for toxicity removal and utilization. <i>Journal of Environmental Management</i> , 2017, 187, 146-153.	7.8	42
5	Effects of elevated 4-chlorophenol loads on components of polysaccharides and proteins and toxicity in an activated sludge process. <i>Chemical Engineering Journal</i> , 2017, 330, 236-244.	12.7	41
6	Correlation between microbial diversity and toxicity of sludge treating synthetic wastewater containing 4-chlorophenol in sequencing batch reactors. <i>Chemosphere</i> , 2016, 153, 138-145.	8.2	34
7	Toxicity formation and distribution in activated sludge during treatment of N,N-dimethylformamide (DMF) wastewater. <i>Journal of Hazardous Materials</i> , 2014, 264, 278-285.	12.4	28
8	Effects of 4-chlorophenol wastewater treatment on sludge acute toxicity, microbial diversity and functional genes expression in an activated sludge process. <i>Bioresource Technology</i> , 2018, 265, 39-44.	9.6	28
9	Contrasting sludge toxicity under various starting modes (shocking or acclimating) and original organics (with or without N, N-dimethylformamide (DMF)). <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 435-442.	3.9	21
10	Toxicity in different molecular-weight fractions of sludge treating synthetic wastewater containing 4-chlorophenol. <i>International Biodeterioration and Biodegradation</i> , 2015, 104, 251-257.	3.9	21
11	Cultivation of <i>Chlorella vulgaris</i> in sludge extracts: Nutrient removal and algal utilization. <i>Bioresource Technology</i> , 2019, 280, 505-510.	9.6	20
12	Exploring the relationship between the EPS property and the toxicity of sludge for treating 4-chlorophenol synthetic wastewater in a sequencing batch reactor. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 24-31.	3.9	19
13	Deciphering and Suppressing Overâ€Oxidized Nitrogen in Nickelâ€Catalyzed Urea Electrolysis. <i>Angewandte Chemie</i> , 2021, 133, 26860-26866.	2.0	18
14	Cultivation of <i>Chlorella vulgaris</i> in sludge extract from resorcinolâ€rich wastewater: the removal and inhibitory effect of sludge toxicity. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1240-1248.	3.2	16
15	Study on the differences in sludge toxicity and microbial community structure caused by catechol, resorcinol and hydroquinone with metagenomic analysis. <i>Journal of Environmental Management</i> , 2022, 302, 114027.	7.8	16
16	A control strategy for promoting the stability of denitrifying granular sludge in upflow sludge blankets. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 52-59.	2.2	15
17	Achieving enhanced denitrification via hydrocyclone treatment on mixed liquor recirculation in the anoxic/aerobic process. <i>Chemosphere</i> , 2017, 189, 206-212.	8.2	15
18	Toxicity removal and biodegradability enhancement of sludge extract in hydroquinone-rich wastewater via cultivation of <i>Chlorella vulgaris</i> . <i>Journal of Cleaner Production</i> , 2020, 277, 124030.	9.3	14

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19	The release and removal of sludge toxicity by different disintegration methods. <i>Journal of Cleaner Production</i> , 2021, 278, 123578.	9.3	14
20	Effect of the addition of organic carbon sources on nitrous oxide emission in anaerobic-aerobic (low) Tj ETQq0 0 0 rgBT /Overlock 10 Tf . <i>China</i> , 2010, 4, 490-499.	0.8	11
21	Acclimation process of cultivating <i>Chlorella vulgaris</i> in toxic excess sludge extract and its response mechanism. <i>Science of the Total Environment</i> , 2018, 628-629, 858-869.	8.0	11
22	Using <i>Chlorella vulgaris</i> to treat toxic excess sludge extract, and identification of its response mechanism by proteomics approach. <i>Bioresource Technology</i> , 2018, 253, 188-196.	9.6	11
23	Optimal regulation of N/P in horizontal sub-surface flow constructed wetland through quantitative phosphorus removal by steel slag fed. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5779-5787.	5.3	8
24	Successful startup of a full-scale acrylonitrile wastewater biological treatment plant (ACN-WWTP) by eliminating the inhibitory effects of toxic compounds on nitrification. <i>Water Science and Technology</i> , 2014, 69, 553-559.	2.5	6
25	The influence of SBR parameters on the sludge toxicity of synthetic wastewater containing bisphenol A. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9287-9296.	5.3	6
26	The investigation of different pollutants and operation processes on sludge toxicity in sequencing batch bioreactors. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2048-2057.	2.2	5
27	Two-stage coagulation process for enhanced oil removal from coal chemical wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1563-1570.	1.7	5
28	Two-stage air stripping combined with hydrolysis acidification process for coal gasification wastewater pretreatment. <i>Water Science and Technology</i> , 2019, 79, 2185-2194.	2.5	4
29	Cultivation of energy microalga <i>Chlorella vulgaris</i> with low-toxic sludge extract. <i>Water Science and Technology</i> , 2021, 83, 818-830.	2.5	4
30	Enhancement performance of CO ₂ on the organic toxicity removal of sludge by <i>Scenedesmus obliquus</i> with proteomics analysis. <i>Journal of CO₂ Utilization</i> , 2022, 61, 102038.	6.8	4
31	The Growth Behavior of <i>Chlorella vulgaris</i> in Bisphenol a under different Cultural Conditions. , 2017, 07, .		3
32	Study of enhanced nitrogen removal efficiency and microbial characteristics of an improved two-stage A/O process. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 4306-4316.	2.2	3
33	Effects of different concentrations of CO ₂ on <i>Scenedesmus obliquus</i> to overcome sludge extract toxicity and accumulate biomass. <i>Chemosphere</i> , 2022, 305, 135514.	8.2	3
34	The influence of light intensity and organic content on cultivation of <i>Chlorella vulgaris</i> in sludge extracts diluted with BG11. <i>Aquaculture International</i> , 2021, 29, 2131-2144.	2.2	2
35	Correlation between the uncoupling metabolism induced by 2,4,6-trichlorophenol and sludge toxicity in sequence batch reactors. <i>Water Science and Technology</i> , 2020, 82, 1971-1981.	2.5	2
36	Effects of hydraulic retention time and proteins on sludge toxicity for 4-chlorophenol wastewater treatment in sequencing batch reactors. <i>Water and Environment Journal</i> , 2019, 33, 158-166.	2.2	1

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37	Comparison of nitrogen removal efficiency and microbial characteristics of modified two-stage A/O, A2/O and SBR processes. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4687-4699.	3.4	1
38	Contrast of sludge toxicity variation during treatment of wastewater containing mixed chlorophenols and single chlorophenol. <i>Environmental Engineering Research</i> , 2021, 26, 200335-0.	2.5	1
39	Bacterial diversity evolution process based on physicochemical characteristics of sludge treating hydroquinone during acclimation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 31686-31699.	5.3	1
40	Deciphering the Changes of Sludge Toxicity and the Succession of Dominant Bacteria During the Process of Catechol Degradation by Acclimated Sludge. <i>Waste and Biomass Valorization</i> , 2022, 13, 4285-4296.	3.4	1
41	Acclimatization of resorcinol results in microbial community dynamics and physicochemical characteristics of aerobic activated sludge. <i>Journal of Cleaner Production</i> , 2022, 364, 132467.	9.3	1
42	Toxicity formation and reduction by changing parameters in the process of activated sludge treating bisphenol A (BPA) wastewater. <i>WIT Transactions on the Built Environment</i> , 2014, , .	0.0	0
43	InnenrÄ¼cktitelbild: Deciphering and Suppressing Overâ€Oxidized Nitrogen in Nickelâ€Catalyzed Urea Electrolysis (<i>Angew. Chem.</i> 51/2021). <i>Angewandte Chemie</i> , 2021, 133, 27071-27071.	2.0	0