

Belinda Sturm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4794152/publications.pdf>

Version: 2024-02-01

42
papers

1,757
citations

394286

19
h-index

454834

30
g-index

42
all docs

42
docs citations

42
times ranked

2586
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of temperature on toxicity and biodegradability of dissolved organic nitrogen formed during hydrothermal liquefaction of biomass. <i>Chemosphere</i> , 2020, 238, 124573.	4.2	33
2	Use of Halophilic Bacteria to Improve Aerobic Granular Sludge Integrity in Hypersaline Wastewaters. <i>Environmental Engineering Science</i> , 2020, 37, 306-315.	0.8	11
3	Estimating irrigation demand with geospatial and in-situ data: Application to the high plains aquifer, Kansas, USA. <i>Agricultural Water Management</i> , 2019, 223, 105675.	2.4	6
4	Screen <i>versus</i> cyclone for improved capacity and robustness for sidestream and mainstream deammonification. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1769-1781.	1.2	13
5	Sustainability metrics for assessing water resource recovery facilities of the future. <i>Water Environment Research</i> , 2019, 91, 45-53.	1.3	29
6	Simultaneous solid and biocrude product transformations from the hydrothermal treatment of high pH-induced flocculated algae at varying Ca concentrations. <i>Algal Research</i> , 2019, 40, 101501.	2.4	13
7	Overcoming floc formation limitations in high-rate activated sludge systems. <i>Chemosphere</i> , 2019, 215, 342-352.	4.2	30
8	Enhancing the decoupling of solids retention times in full-scale deammonification processes using screens. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 185-191.	0.0	0
9	Oxygen uptake rate as control parameter for carbon management in high-rate activated sludge. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 304-307.	0.0	0
10	Fate of Microplastics Through North America WRRFs: An Initial Survey. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 3827-3831.	0.0	0
11	Online oxidation control to maximize energy recovery and ensure year-round effluent quality. <i>Proceedings of the Water Environment Federation</i> , 2018, 2018, 263-268.	0.0	0
12	Air-water CO ₂ and CH ₄ fluxes along a river-reservoir continuum: Case study in the Pengxi River, a tributary of the Yangtze River in the Three Gorges Reservoir, China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 223.	1.3	30
13	Determination of the life cycle climate change impacts of land use and albedo change in algal biofuel production. <i>Algal Research</i> , 2017, 28, 270-281.	2.4	20
14	Fate of phosphorous after thermochemical treatment of algal biomass. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 3888-3891.	0.0	3
15	It's time to harvest: Combining internal selection and flocculent external selection to maximize carbon capture efficiency. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 4294-4296.	0.0	0
16	The Impact of Applying an Internal Substrate Selection Strategy to Improve Aerobic Granular Sludge Formation. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 96-103.	0.0	0
17	Experimental metrics to predict the flocculent settling coefficient in a 1D settler model. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 5431-5435.	0.0	0
18	Strategies to Maximize P Recovery and Minimize Biochar Formation from Hydrothermal Liquefaction of Biomass. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 529-536.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Pinpointing biofloculation limitations for enhanced carbon management in high-rate activated sludge.. Proceedings of the Water Environment Federation, 2017, 2017, 47-52.	0.0	0
20	Impacts of biofuel-based land-use change on water quality and sustainability in a Kansas watershed. Agricultural Water Management, 2016, 175, 4-14.	2.4	13
21	Potential impacts of climate change on reservoir services and management approaches. Lake and Reservoir Management, 2016, 32, 13-26.	0.4	37
22	Promoting catalysis and high-value product streams by in situ hydroxyapatite crystallization during hydrothermal liquefaction of microalgae cultivated with reclaimed nutrients. Green Chemistry, 2015, 17, 2560-2569.	4.6	24
23	Spatial and hydrologic variation of Bacteroidales, adenovirus and enterovirus in a semi-arid, wastewater effluent-impacted watershed. Water Research, 2015, 75, 83-94.	5.3	14
24	Hydroxyapatite Crystallization and Biocrude Oil Production from Wastewater-Cultivated Algae. Proceedings of the Water Environment Federation, 2015, 2015, 1-11.	0.0	0
25	Can Aerobic Granular Reactors help a Land-locked Plant Upgrade to BNR? From Bench-scale testing to Full-scale Conceptual Design. Proceedings of the Water Environment Federation, 2015, 2015, 2760-2783.	0.0	0
26	Economic Linkages to Changing Landscapes. Environmental Management, 2014, 53, 55-66.	1.2	13
27	Life cycle assessment of bio-jet fuel from hydrothermal liquefaction of microalgae. Applied Energy, 2014, 122, 73-82.	5.1	212
28	Evaluation of empirical models coupled with EUTROMOD for water quality prediction in Kansas reservoirs. Inland Waters, 2014, 4, 167-178.	1.1	0
29	Promising Pathway for Algal Biofuels through Wastewater Cultivation and Hydrothermal Conversion. Energy & Fuels, 2013, 27, 857-867.	2.5	127
30	Nitrogen removal and nitrifying and denitrifying bacteria quantification in a stormwater bioretention system. Water Research, 2013, 47, 1691-1700.	5.3	128
31	Pulsed electric field (PEF) as an intensification pretreatment for greener solvent lipid extraction from microalgae. Biotechnology and Bioengineering, 2013, 110, 1605-1615.	1.7	184
32	Geographic Analysis of the Feasibility of Collocating Algal Biomass Production with Wastewater Treatment Plants. Environmental Science & Technology, 2012, 46, 11426-11434.	4.6	50
33	Controls of microalgal biomass and lipid production in municipal wastewater-fed bioreactors. Environmental Progress and Sustainable Energy, 2012, 31, 10-16.	1.3	42
34	An energy evaluation of coupling nutrient removal from wastewater with algal biomass production. Applied Energy, 2011, 88, 3499-3506.	5.1	253
35	Molecular Methods in Biological Systems. Water Environment Research, 2010, 82, 908-930.	1.3	7
36	Differential fate of erythromycin and beta-lactam resistance genes from swine lagoon waste under different aquatic conditions. Environmental Pollution, 2010, 158, 1506-1512.	3.7	70

#	ARTICLE	IF	CITATIONS
37	The ecology of algal biodiesel production. Trends in Ecology and Evolution, 2010, 25, 301-309.	4.2	221
38	Bioaugmentation of microbial communities in laboratory and pilot scale sequencing batch biofilm reactors using the TOL plasmid. Bioresource Technology, 2009, 100, 1746-1753.	4.8	72
39	Accumulation of Tetracycline Resistance Genes in Aquatic Biofilms Due to Periodic Waste Loadings from Swine Lagoons. Environmental Science & Technology, 2009, 43, 7643-7650.	4.6	46
40	Molecular Methods in Biological Systems. Water Environment Research, 2009, 81, 986-1002.	1.3	5
41	Dissolved oxygen as a key parameter to aerobic granule formation. Water Science and Technology, 2008, 58, 781-787.	1.2	50
42	Molecular Methods in Biological Systems. Water Environment Research, 2008, 80, 929-961.	1.3	1