

Giuseppe Laera

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3921227/publications.pdf>

Version: 2024-02-01

41
papers

1,774
citations

218592

26
h-index

276775

41
g-index

41
all docs

41
docs citations

41
times ranked

2311
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of sludge retention time on the performance of a membrane bioreactor treating municipal sewage. <i>Journal of Membrane Science</i> , 2008, 317, 65-70.	4.1	127
2	Toxicity assessment of common xenobiotic compounds on municipal activated sludge: comparison between respirometry and Microtox [®] . <i>Water Research</i> , 2004, 38, 2103-2110.	5.3	106
3	Physical characteristics of the sludge in a complete retention membrane bioreactor. <i>Water Research</i> , 2007, 41, 1832-1840.	5.3	100
4	Fate of zinc and silver engineered nanoparticles in sewerage networks. <i>Water Research</i> , 2015, 77, 72-84.	5.3	96
5	Biomass growth and activity in a membrane bioreactor with complete sludge retention. <i>Water Research</i> , 2004, 38, 1799-1808.	5.3	91
6	Removal of Organics and Degradation Products from Industrial Wastewater by a Membrane Bioreactor Integrated with Ozone or UV/H ₂ O ₂ Treatment. <i>Environmental Science & Technology</i> , 2012, 46, 1010-1018.	4.6	85
7	An integrated MBR+TiO ₂ photocatalysis process for the removal of Carbamazepine from simulated pharmaceutical industrial effluent. <i>Bioresource Technology</i> , 2011, 102, 7012-7015.	4.8	84
8	Zero net growth in a membrane bioreactor with complete sludge retention. <i>Water Research</i> , 2005, 39, 5241-5249.	5.3	73
9	Tertiary filtered municipal wastewater as alternative water source in agriculture: a field investigation in Southern Italy. <i>Science of the Total Environment</i> , 2004, 324, 201-210.	3.9	71
10	Membrane bioreactor sludge rheology at different solid retention times. <i>Water Research</i> , 2007, 41, 4197-4203.	5.3	70
11	Biodegradability of pharmaceutical industrial wastewater and formation of recalcitrant organic compounds during aerobic biological treatment. <i>Bioresource Technology</i> , 2010, 101, 2585-2591.	4.8	64
12	Effective organics degradation from pharmaceutical wastewater by an integrated process including membrane bioreactor and ozonation. <i>Chemosphere</i> , 2010, 78, 1100-1109.	4.2	59
13	Techno-environmental assessment of integrating polyhydroxyalkanoate (PHA) production with services of municipal wastewater treatment. <i>Journal of Cleaner Production</i> , 2016, 137, 1368-1381.	4.6	58
14	Techno-economic and environmental assessment of upgrading alternatives for sludge stabilization in municipal wastewater treatment plants. <i>Journal of Cleaner Production</i> , 2016, 112, 3106-3115.	4.6	54
15	A comparison between two full-scale MBR and CAS municipal wastewater treatment plants: techno-economic-environmental assessment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17383-17393.	2.7	50
16	Towards energy self-sufficiency and integral material recovery in waste water treatment plants: Assessment of upgrading options. <i>Journal of Cleaner Production</i> , 2018, 170, 1206-1218.	4.6	50
17	Evaluating the photodegradation of Carbamazepine in a sequential batch photoreactor system: Impacts of effluent organic matter and inorganic ions. <i>Chemical Engineering Journal</i> , 2011, 174, 595-602.	6.6	48
18	Mass and energy balances of sludge processing in reference and upgraded wastewater treatment plants. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7203-7215.	2.7	40

#	ARTICLE	IF	CITATIONS
19	Life cycle inventory practices for major nitrogen, phosphorus and carbon flows in wastewater and sludge management systems. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 1197-1212.	2.2	36
20	Rheology of Sludge in a Complete Retention Membrane Bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 1009-1018.	1.2	34
21	Techno-economic and environmental assessment of sewage sludge wet oxidation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7327-7338.	2.7	33
22	Methodology for technical and economic assessment of advanced routes for sludge processing and disposal. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7190-7202.	2.7	33
23	Upgrading small wastewater treatment plants with the sequencing batch biofilter granular reactor technology: Techno-economic and environmental assessment. <i>Journal of Cleaner Production</i> , 2017, 148, 606-615.	4.6	32
24	Influence of solid retention time on the rheology of MBR sludge. <i>Water Science and Technology</i> , 2007, 56, 151-159.	1.2	31
25	Photocatalytic activity of TiO ₂ nanofibers in simulated and real municipal effluents. <i>Catalysis Today</i> , 2011, 161, 147-152.	2.2	31
26	Upgrading a wastewater treatment plant with thermophilic digestion of thermally pre-treated secondary sludge: techno-economic and environmental assessment. <i>Journal of Cleaner Production</i> , 2015, 102, 353-361.	4.6	27
27	Optimal sludge retention time for a bench scale MBR treating municipal sewage. <i>Water Science and Technology</i> , 2008, 57, 319-322.	1.2	25
28	Fate of the fecal indicator <i>Escherichia coli</i> in irrigation with partially treated wastewater. <i>Water Research</i> , 2015, 85, 66-73.	5.3	24
29	Removal of nalidixic acid and its degradation products by an integrated MBR-ozonation system. <i>Journal of Hazardous Materials</i> , 2012, 203-204, 46-52.	6.5	22
30	Membrane filtration of municipal wastewater effluents for implementing agricultural reuse in southern Italy. <i>Water Science and Technology</i> , 2010, 62, 1121-1128.	1.2	21
31	Influence of sludge retention time on biomass characteristics and cleaning requirements in a membrane bioreactor for municipal wastewater treatment. <i>Desalination</i> , 2009, 236, 104-110.	4.0	20
32	Inhibiting effects of chloroform on anaerobic microbial consortia as monitored by the rantox biosensor. <i>Water Research</i> , 2001, 35, 1179-1190.	5.3	16
33	Method for technical, economic and environmental assessment of advanced sludge processing routes. <i>Water Science and Technology</i> , 2014, 69, 2407-2416.	1.2	14
34	Vegetable crop irrigation with tertiary filtered municipal wastewater. <i>Plant Biosystems</i> , 2007, 141, 275-281.	0.8	11
35	Functional Response of MBR Microbial Consortia to Substrate Stress as Revealed by Metaproteomics. <i>Microbial Ecology</i> , 2019, 78, 873-884.	1.4	11
36	Isolation of Squarebop I bacteriorhodopsin from biomass of coastal salterns. <i>Protein Expression and Purification</i> , 2012, 84, 73-79.	0.6	7

#	ARTICLE	IF	CITATIONS
37	Enhanced Versus Conventional Sludge Anaerobic Processes: Performances and Techno-Economic Assessment. <i>Water Environment Research</i> , 2016, 88, 468-478.	1.3	6
38	Application of sequencing batch membrane bioreactors (SB-MBR) for the treatment of municipal wastewater. <i>Water Science and Technology</i> , 2011, 64, 391-396.	1.2	5
39	Long term effects of complete sludge retention in a membrane bioreactor for municipal wastewater treatment. <i>Desalination</i> , 2006, 199, 325-327.	4.0	4
40	Activated Sludge Diffusion for Odour Removal - Effects of H ₂ S on the Biomass. <i>Environmental Technology (United Kingdom)</i> , 2006, 27, 875-883.	1.2	3
41	Sewage sludge minimisation by means of wet oxidation: process performance and economic sustainability. <i>International Journal of Global Warming</i> , 2014, 6, 234.	0.2	2