

Gianluigi Buttiglieri

List of Publications by Citations

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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.

52
papers

1,470
citations

18
h-index

38
g-index

53
ext. papers

1,751
ext. citations

7.4
avg, IF

4.71
L-index

#	Paper	IF	Citations
52	Enhanced sulfamethoxazole degradation through ammonia oxidizing bacteria co-metabolism and fate of transformation products. <i>Water Research</i> , 2016 , 94, 111-119	12.5	149
51	Pharmaceuticals occurrence in a WWTP with significant industrial contribution and its input into the river system. <i>Environmental Pollution</i> , 2014 , 185, 202-12	9.3	143
50	Comprehensive study of ibuprofen and its metabolites in activated sludge batch experiments and aquatic environment. <i>Science of the Total Environment</i> , 2012 , 438, 404-13	10.2	135
49	Effect of oxygen concentration on biological nitrification and microbial kinetics in a cross-flow membrane bioreactor (MBR) and moving-bed biofilm reactor (MBBR) treating old landfill leachate. <i>Journal of Membrane Science</i> , 2006 , 286, 202-212	9.6	105
48	Effects on activated sludge bacterial community exposed to sulfamethoxazole. <i>Chemosphere</i> , 2013 , 93, 99-106	8.4	101
47	A review of nature-based solutions for urban water management in European circular cities: a critical assessment based on case studies and literature. <i>Blue-Green Systems</i> , 2020 , 2, 112-136	5.2	83
46	Characterization of metoprolol biodegradation and its transformation products generated in activated sludge batch experiments and in full scale WWTPs. <i>Water Research</i> , 2014 , 63, 21-32	12.5	77
45	Environmental occurrence and degradation of the herbicide n-chloridazon. <i>Water Research</i> , 2009 , 43, 2865-73	12.5	60
44	Removal of ibuprofen and its transformation products: experimental and simulation studies. <i>Science of the Total Environment</i> , 2012 , 433, 296-301	10.2	54
43	Optimized MBR for greywater reuse systems in hotel facilities. <i>Journal of Environmental Management</i> , 2017 , 193, 503-511	7.9	49
42	Denitrification of drinking water sources by advanced biological treatment using a membrane bioreactor. <i>Desalination</i> , 2005 , 178, 211-218	10.3	43
41	Occurrence of pharmaceuticals and UV filters in swimming pools and spas. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14431-41	5.1	38
40	Perspectives of persistent organic pollutants (POPS) removal in an MBR pilot plant. <i>Desalination</i> , 2008 , 224, 1-6	10.3	33
39	Long term decentralized greywater treatment for water reuse purposes in a tourist facility by vertical ecosystem. <i>Ecological Engineering</i> , 2019 , 138, 138-147	3.9	32
38	Automatic control system for energy optimization in membrane bioreactors. <i>Desalination</i> , 2011 , 268, 276-280	10.3	31
37	Online monitoring of membrane fouling in submerged MBRs. <i>Desalination</i> , 2011 , 277, 414-419	10.3	29
36	Metoprolol and metoprolol acid degradation in UV/HO treated wastewaters: An integrated screening approach for the identification of hazardous transformation products. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120851	12.8	23

35	Unraveling the potential of a combined nitrification-anammox biomass towards the biodegradation of pharmaceutically active compounds. <i>Science of the Total Environment</i> , 2018 , 624, 722-731	10.2	18
34	Recycled corrugated wire hose cover as biological carriers for greywater treatment in a sequential batch biofilm reactor. <i>Journal of Environmental Management</i> , 2019 , 240, 475-484	7.9	17
33	Combining biological processes with UV/H ₂ O ₂ for metoprolol and metoprolol acid removal in hospital wastewater. <i>Chemical Engineering Journal</i> , 2021 , 404, 126482	14.7	17
32	Holistic life cycle assessment of water reuse in a tourist-based community. <i>Journal of Cleaner Production</i> , 2019 , 233, 743-752	10.3	16
31	Removal of Emerging Contaminants in Wastewater Treatment: Conventional Activated Sludge Treatment. <i>Handbook of Environmental Chemistry</i> , 2008 , 1-35	0.8	16
30	Management of Urban Waters with Nature-Based Solutions in Circular Cities Exemplified through Seven Urban Circularity Challenges. <i>Water (Switzerland)</i> , 2021 , 13, 3334	3	16
29	Modelling cometabolic biotransformation of sulfamethoxazole by an enriched ammonia oxidizing bacteria culture. <i>Chemical Engineering Science</i> , 2017 , 173, 465-473	4.4	15
28	Comparative assessment of endocrine disrupting compounds removal in heterotrophic and enriched nitrifying biomass. <i>Chemosphere</i> , 2019 , 217, 659-668	8.4	15
27	The EU watch list compounds in the Ebro delta region: Assessment of sources, river transport, and seasonal variations. <i>Environmental Pollution</i> , 2019 , 253, 606-615	9.3	14
26	Exploring the potential of applying proteomics for tracking bisphenol A and nonylphenol degradation in activated sludge. <i>Chemosphere</i> , 2013 , 90, 2309-14	8.4	14
25	Novel vertical ecosystem for sustainable water treatment and reuse in tourist resorts. <i>International Journal of Sustainable Development and Planning</i> , 2016 , 11, 263-274	2	14
24	Knowledge-based control module for start-up of flat sheet MBRs. <i>Bioresource Technology</i> , 2012 , 106, 50-4	11	13
23	Microalgae-based removal of contaminants of emerging concern: Mechanisms in <i>Chlorella vulgaris</i> and mixed algal-bacterial cultures. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126284	12.8	12
22	Development of a control algorithm for air-scour reduction in membrane bioreactors for wastewater treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 784-789	3.5	10
21	Prospects on coupling UV/HO with activated sludge or a fungal treatment for the removal of pharmaceutically active compounds in real hospital wastewater. <i>Science of the Total Environment</i> , 2021 , 773, 145374	10.2	9
20	Adsorption and removal at low atrazine concentration in an MBR pilot plant. <i>Water Science and Technology</i> , 2011 , 63, 1334-40	2.2	8
19	The use of microcalorimetry to compare the biological activity of a CAS and a MBR sludge-application to pharmaceutical active compounds. <i>Water Science and Technology</i> , 2008 , 58, 529-35	2.2	8
18	Application of UVOX Redox for swimming pool water treatment: Microbial inactivation, disinfection byproduct formation and micropollutant removal. <i>Chemosphere</i> , 2019 , 220, 176-184	8.4	8

17	State-of-the-art and current challenges for TiO/UV-LED photocatalytic degradation of emerging organic micropollutants. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 103-120	5.1	8
16	How do WWTPs operational parameters affect the removal rates of EU Watch list compounds?. <i>Science of the Total Environment</i> , 2020 , 714, 136773	10.2	7
15	Microcalorimetry: A tool to investigate aerobic, anoxic and anaerobic autotrophic and heterotrophic biodegradation. <i>Biochemical Engineering Journal</i> , 2010 , 52, 25-32	4.2	6
14	Possibilities of nature-based and hybrid decentralized solutions for reclaimed water reuse. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2020 , 145-187	1.5	5
13	Nature-based solutions coupled with advanced technologies: An opportunity for decentralized water reuse in cities. <i>Journal of Cleaner Production</i> , 2022 , 340, 130660	10.3	4
12	Impact of UV-LED photoreactor design on the degradation of contaminants of emerging concern. <i>Chemical Engineering Research and Design</i> , 2021 , 153, 94-106	5.5	3
11	Feasibility of vertical ecosystem for sustainable water treatment and reuse in touristic resorts. <i>Journal of Environmental Management</i> , 2021 , 294, 112968	7.9	3
10	Unravelling the performance of UV/HO on the removal of pharmaceuticals in real industrial, hospital, grey and urban wastewaters.. <i>Chemosphere</i> , 2021 , 290, 133315	8.4	2
9	Exploring the limitations of forward osmosis for direct hydroponic fertigation: Impact of ion transfer and fertilizer composition on effective dilution.. <i>Journal of Environmental Management</i> , 2021 , 305, 114339	7.9	2
8	Innovative primary and secondary sewage treatment technologies for organic micropollutants abatement 2017 , 179-213		2
7	Microcalorimetric and manometric tests to assess anammox activity. <i>Water Science and Technology</i> , 2009 , 60, 2705-11	2.2	1
6	Removal of Emerging Contaminants in Wastewater Treatment: Conventional Activated Sludge Treatment 2007 , 1-35		1
5	Performance of TiO/UV-LED-Based Processes for Degradation of Pharmaceuticals: Effect of Matrix Composition and Process Variables.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
4	Fate and Removal of Pharmaceuticals in CAS for Water and Sewage Sludge Reuse. <i>Handbook of Environmental Chemistry</i> , 2020 , 23-51	0.8	0
3	Water management practices in Euro-Mediterranean hotels and resorts. <i>International Journal of Water Resources Development</i> , 1-22	3	0
2	Proteomics reliability for micropollutants degradation insight into activated sludge systems. <i>Water Science and Technology</i> , 2015 , 72, 882-8	2.2	
1	Development of an algorithm for air-scour optimization in membrane bioreactors. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 3795-3799		