

David Bolzonella

List of Publications by Year in descending order

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165
papers

9,208
citations

36271

51
h-index

45285

90
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166
all docs

166
docs citations

166
times ranked

7390
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the biomethane potential (BMP) of solid organic wastes and energy crops: a proposed protocol for batch assays. <i>Water Science and Technology</i> , 2009, 59, 927-934.	1.2	1,417
2	Mesophilic anaerobic digestion of waste activated sludge: influence of the solid retention time in the wastewater treatment process. <i>Process Biochemistry</i> , 2005, 40, 1453-1460.	1.8	271
3	Volatile fatty acids production from food wastes for biorefinery platforms: A review. <i>Journal of Environmental Management</i> , 2018, 226, 278-288.	3.8	264
4	Full scale co-digestion of wastewater sludge and food waste: Bottlenecks and possibilities. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 354-362.	8.2	239
5	Anaerobic codigestion of waste activated sludge and OFMSW: the experiences of Viareggio and Treviso plants (Italy). <i>Water Science and Technology</i> , 2006, 53, 203-211.	1.2	192
6	A research challenge vision regarding management of agricultural waste in a circular bio-based economy. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 614-654.	6.6	189
7	Bio-hythane production from food waste by dark fermentation coupled with anaerobic digestion process: A long-term pilot scale experience. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11549-11555.	3.8	175
8	Thermophilic anaerobic co-digestion of cattle manure with agro-wastes and energy crops: Comparison of pilot and full scale experiences. <i>Bioresource Technology</i> , 2010, 101, 545-550.	4.8	172
9	Mesophilic and thermophilic anaerobic co-digestion of waste activated sludge and source sorted biowaste in pilot- and full-scale reactors. <i>Renewable Energy</i> , 2013, 55, 260-265.	4.3	172
10	Optimization of two-phase thermophilic anaerobic digestion of biowaste for hydrogen and methane production through reject water recirculation. <i>Bioresource Technology</i> , 2011, 102, 8605-8611.	4.8	166
11	Dry anaerobic digestion of differently sorted organic municipal solid waste: a full-scale experience. <i>Water Science and Technology</i> , 2006, 53, 23-32.	1.2	158
12	Effect of trace element supplementation on the mesophilic anaerobic digestion of foodwaste in batch trials: The influence of inoculum origin. <i>Biochemical Engineering Journal</i> , 2013, 70, 71-77.	1.8	158
13	Semi-dry thermophilic anaerobic digestion of the organic fraction of municipal solid waste: focusing on the start-up phase. <i>Bioresource Technology</i> , 2003, 86, 123-129.	4.8	132
14	Fate of aromatic hydrocarbons in Italian municipal wastewater systems: An overview of wastewater treatment using conventional activated-sludge processes (CASP) and membrane bioreactors (MBRs). <i>Water Research</i> , 2011, 45, 93-104.	5.3	126
15	Recent developments in biohythane production from household food wastes: A review. <i>Bioresource Technology</i> , 2018, 257, 311-319.	4.8	122
16	Nutrients recovery from anaerobic digestate of agro-waste: Techno-economic assessment of full scale applications. <i>Journal of Environmental Management</i> , 2018, 216, 111-119.	3.8	121
17	An urban biorefinery for food waste and biological sludge conversion into polyhydroxyalkanoates and biogas. <i>Water Research</i> , 2020, 170, 115371.	5.3	112
18	Co-digestion of livestock effluents, energy crops and agro-waste: Feeding and process optimization in mesophilic and thermophilic conditions. <i>Bioresource Technology</i> , 2013, 128, 612-618.	4.8	109

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19	High rate mesophilic, thermophilic, and temperature phased anaerobic digestion of waste activated sludge: A pilot scale study. <i>Waste Management</i> , 2012, 32, 1196-1201.	3.7	108
20	Anaerobic co-digestion of sludge with other organic wastes in small wastewater treatment plants: an economic considerations evaluation. <i>Water Science and Technology</i> , 2007, 56, 45-53.	1.2	100
21	Pilot-Scale Polyhydroxyalkanoate Production from Combined Treatment of Organic Fraction of Municipal Solid Waste and Sewage Sludge. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12149-12158.	1.8	100
22	Changes in microbial community during hydrogen and methane production in two-stage thermophilic anaerobic co-digestion process from biowaste. <i>Waste Management</i> , 2016, 49, 40-46.	3.7	98
23	Pilot scale comparison of single and double-stage thermophilic anaerobic digestion of food waste. <i>Journal of Cleaner Production</i> , 2018, 171, 1376-1385.	4.6	92
24	P removal from anaerobic supernatants by struvite crystallization: long term validation and process modelling. <i>Water Research</i> , 2002, 36, 1927-1938.	5.3	90
25	Automatic process control for stable bio-hythane production in two-phase thermophilic anaerobic digestion of food waste. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17563-17572.	3.8	90
26	Influence of temperature and hydraulic retention on the production of volatile fatty acids during anaerobic fermentation of cow manure and maize silage. <i>Bioresource Technology</i> , 2017, 223, 59-64.	4.8	88
27	Anaerobic Fermentation of Organic Municipal Solid Wastes for the Production of Soluble Organic Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 3412-3418.	1.8	86
28	Tracing pharmaceuticals in a municipal plant for integrated wastewater and organic solid waste treatment. <i>Science of the Total Environment</i> , 2012, 433, 352-361.	3.9	84
29	Progress in real-time control applied to biological nitrogen removal from wastewater. A short-review. <i>Desalination</i> , 2012, 286, 1-7.	4.0	80
30	Performance and energy aspects of single and two phase thermophilic anaerobic digestion of waste activated sludge. <i>Renewable Energy</i> , 2016, 86, 1324-1331.	4.3	79
31	Life cycle assessment of nutrient removal technologies for the treatment of anaerobic digestion supernatant and its integration in a wastewater treatment plant. <i>Science of the Total Environment</i> , 2014, 490, 871-879.	3.9	78
32	Evaluation of the methane potential of different agricultural and food processing substrates for improved biogas production in rural areas. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 1-10.	8.2	78
33	Two-Phase Anaerobic Digestion of Waste Activated Sludge: Effect of an Extreme Thermophilic Prefermentation. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6650-6655.	1.8	75
34	Microalgae Cultivation on Anaerobic Digestate of Municipal Wastewater, Sewage Sludge and Agro-Waste. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1692.	1.8	74
35	Organic Fraction of Municipal Solid Waste Recovery by Conversion into Added-Value Polyhydroxyalkanoates and Biogas. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16375-16385.	3.2	73
36	Optimization of urban waste fermentation for volatile fatty acids production. <i>Waste Management</i> , 2019, 92, 21-29.	3.7	71

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37	Food wastes and sewage sludge as feedstock for an urban biorefinery producing biofuels and added-value bioproducts. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 328-338.	1.6	71
38	Microplastics in real wastewater treatment schemes: Comparative assessment and relevant inhibition effects on anaerobic processes. <i>Chemosphere</i> , 2021, 262, 128415.	4.2	69
39	Biorefinery of cellulosic primary sludge towards targeted Short Chain Fatty Acids, phosphorus and methane recovery. <i>Water Research</i> , 2018, 136, 112-119.	5.3	68
40	Development of a Novel Process Integrating the Treatment of Sludge Reject Water and the Production of Polyhydroxyalkanoates (PHAs). <i>Environmental Science & Technology</i> , 2015, 49, 10877-10885.	4.6	66
41	Mesophilic and thermophilic anaerobic digestion of the liquid fraction of pressed biowaste for high energy yields recovery. <i>Waste Management</i> , 2016, 48, 227-235.	3.7	65
42	Co-digestion of the organic fraction of municipal solid waste and sludge improves the energy balance of wastewater treatment plants: Rovereto case study. <i>Renewable Energy</i> , 2017, 113, 980-988.	4.3	65
43	Combined sewer overflows: A critical review on best practice and innovative solutions to mitigate impacts on environment and human health. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1585-1618.	6.6	62
44	Pilot scale fermentation coupled with anaerobic digestion of food waste - Effect of dynamic digestate recirculation. <i>Renewable Energy</i> , 2017, 114, 455-463.	4.3	61
45	Current status in wastewater treatment, reuse and research in some mediterranean countries. <i>Desalination and Water Treatment</i> , 2015, 53, 2015-2030.	1.0	60
46	Application of food waste disposers and alternate cycles process in small-decentralized towns: A case study. <i>Water Research</i> , 2007, 41, 893-903.	5.3	58
47	Biohydrogen production from food waste in batch and semi-continuous conditions: Evaluation of a two-phase approach with digestate recirculation for pH control. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4351-4360.	3.8	57
48	Can bioplastics be treated in conventional anaerobic digesters for food waste treatment?. <i>Environmental Technology and Innovation</i> , 2021, 22, 101393.	3.0	56
49	Long-term validation of polyhydroxyalkanoates production potential from the sidestream of municipal wastewater treatment plant at pilot scale. <i>Chemical Engineering Journal</i> , 2020, 390, 124627.	6.6	55
50	Effect of sludge age on the performance of a membrane bioreactor: influence on nutrient and metals removal. <i>Desalination</i> , 2002, 146, 467-474.	4.0	54
51	Renewable energy from thermophilic anaerobic digestion of winery residue: Preliminary evidence from batch and continuous lab-scale trials. <i>Biomass and Bioenergy</i> , 2016, 91, 150-159.	2.9	54
52	Winery wastewater treatment: a critical overview of advanced biological processes. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 489-507.	5.1	54
53	Sieving of municipal wastewater and recovery of bio-based volatile fatty acids at pilot scale. <i>Water Research</i> , 2020, 174, 115633.	5.3	54
54	High-rate anaerobic treatment of Fischer-Tropsch wastewater in a packed-bed biofilm reactor. <i>Water Research</i> , 2010, 44, 2745-2752.	5.3	53

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55	Removal of nutrients and micropollutants treating low loaded wastewaters in a membrane bioreactor operating the automatic alternate-cycles process. <i>Desalination</i> , 2005, 183, 395-405.	4.0	51
56	Application of membrane bioreactor technology for wastewater treatment and reuse in the Mediterranean region: Focusing on removal efficiency of non-conventional pollutants. <i>Journal of Environmental Management</i> , 2010, 91, 2424-2431.	3.8	50
57	Decentralized Community Composting: Past, Present and Future Aspects of Italy. <i>Sustainability</i> , 2020, 12, 3319.	1.6	50
58	Enhancing volatile fatty acids (VFA) production from food waste in a two-phases pilot-scale anaerobic digestion process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106062.	3.3	50
59	Denitrification potential enhancement by addition of anaerobic fermentation products from the organic fraction of municipal solid waste. <i>Water Science and Technology</i> , 2001, 44, 187-194.	1.2	48
60	Winery waste recycling through anaerobic co-digestion with waste activated sludge. <i>Waste Management</i> , 2014, 34, 2028-2035.	3.7	48
61	Novel routes for urban bio-waste management: A combined acidic fermentation and anaerobic digestion process for platform chemicals and biogas production. <i>Journal of Cleaner Production</i> , 2019, 220, 368-375.	4.6	48
62	The under sink garbage grinder: A friendly technology for the environment. <i>Environmental Technology (United Kingdom)</i> , 2003, 24, 349-359.	1.2	46
63	Mesophilic and thermophilic anaerobic co-digestion of winery wastewater sludge and wine lees: An integrated approach for sustainable wine production. <i>Journal of Environmental Management</i> , 2017, 203, 745-752.	3.8	45
64	Pilot scale cellulose recovery from sewage sludge and reuse in building and construction material. <i>Waste Management</i> , 2019, 100, 208-218.	3.7	45
65	Brine treatment technologies towards minimum/zero liquid discharge and resource recovery: State of the art and techno-economic assessment. <i>Journal of Environmental Management</i> , 2021, 300, 113681.	3.8	44
66	An Automatically Controlled Alternate Oxidation-Anoxic Process for Small Municipal Wastewater Treatment Plants. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 509-515.	1.8	42
67	Anaerobic digestion of organic solid wastes: process behaviour in transient conditions. <i>Water Science and Technology</i> , 2003, 48, 1-8.	1.2	42
68	Biological nutrients removal from the supernatant originating from the anaerobic digestion of the organic fraction of municipal solid waste. <i>Critical Reviews in Biotechnology</i> , 2014, 34, 244-257.	5.1	41
69	Influence of different household Food Wastes Fractions on Volatile Fatty Acids production by anaerobic fermentation. <i>Bioresource Technology</i> , 2021, 335, 125289.	4.8	40
70	Occurrence and fate of heavy metals in large wastewater treatment plants treating municipal and industrial wastewaters. <i>Water Science and Technology</i> , 2008, 57, 1329-1336.	1.2	39
71	Valorization of Residual Orange Peels: Limonene Recovery, Volatile Fatty Acids, and Biogas Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6834-6843.	3.2	39
72	Some critical aspects of the enzymatic hydrolysis at high dry-matter content: a review. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 711-723.	1.9	35

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73	Volatile fatty acids production from biowaste at mechanical-biological treatment plants: Focusing on fermentation temperature. <i>Bioresource Technology</i> , 2020, 314, 123729.	4.8	35
74	Phosphorus Removal from Supernatants at Low Concentration Using Packed and Fluidized-Bed Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6701-6707.	1.8	34
75	Application of a membrane bioreactor for winery wastewater treatment. <i>Water Science and Technology</i> , 2010, 62, 2754-2759.	1.2	33
76	Biological nutrients removal via nitrite from the supernatant of anaerobic co-digestion using a pilot-scale sequencing batch reactor operating under transient conditions. <i>Chemical Engineering Journal</i> , 2013, 230, 595-604.	6.6	33
77	Is SCENA a good approach for side-stream integrated treatment from an environmental and economic point of view?. <i>Water Research</i> , 2017, 125, 478-489.	5.3	33
78	Acidogenic fermentation of source separated mixtures of vegetables and fruits wasted from supermarkets. <i>Biodegradation</i> , 2000, 11, 407-414.	1.5	32
79	Anaerobic co-digestion of sludge with other organic wastes and phosphorus reclamation in wastewater treatment plants for biological nutrients removal. <i>Water Science and Technology</i> , 2006, 53, 177-186.	1.2	32
80	Mitigating off-gas emissions in the biological nitrogen removal via nitrite process treating anaerobic effluents. <i>Journal of Cleaner Production</i> , 2015, 93, 126-133.	4.6	32
81	Evaluation of the energy and greenhouse gases impacts of grass harvested on riverbanks for feeding anaerobic digestion plants. <i>Journal of Cleaner Production</i> , 2018, 172, 4099-4109.	4.6	32
82	Energy and Nutrientsâ€™ Recovery in Anaerobic Digestion of Agricultural Biomass: An Italian Perspective for Future Applications. <i>Energies</i> , 2019, 12, 3287.	1.6	32
83	Validated innovative approaches for energy-efficient resource recovery and re-use from municipal wastewater: From anaerobic treatment systems to a biorefinery concept. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 869-902.	6.6	32
84	Biodiesel, biogas and fermentable sugars production from Spent coffee Grounds: A cascade biorefinery approach. <i>Bioresource Technology</i> , 2021, 342, 125952.	4.8	32
85	The cascade biorefinery approach for the valorization of the spent coffee grounds. <i>Renewable Energy</i> , 2020, 157, 1203-1211.	4.3	31
86	Treatment of mixed municipal and winery wastewaters in a conventional activated sludge process: a case study. <i>Water Science and Technology</i> , 2005, 51, 89-98.	1.2	30
87	Phosphorus Removal from Anaerobic Supernatants: A Start-Up and Steady-State Conditions of a Fluidized Bed Reactor Full-Scale Plant. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 663-669.	1.8	30
88	Inhibition of biomass activity in the via nitrite nitrogen removal processes by veterinary pharmaceuticals. <i>Bioresource Technology</i> , 2014, 152, 477-483.	4.8	30
89	Optimization of short chain volatile fatty acids production from household food waste for biorefinery applications. <i>Environmental Technology and Innovation</i> , 2021, 23, 101562.	3.0	30
90	Biological nutrient removal wastewater treatments and sewage sludge anaerobic mesophilic digestion performances. <i>Water Science and Technology</i> , 2002, 46, 199-208.	1.2	28

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91	Pilot-scale multi-purposes approach for volatile fatty acid production, hydrogen and methane from an automatic controlled anaerobic process. <i>Journal of Cleaner Production</i> , 2020, 277, 124297.	4.6	27
92	A Multiproduct Biorefinery Approach for the Production of Hydrogen, Methane and Volatile Fatty Acids from Agricultural Waste. <i>Waste and Biomass Valorization</i> , 2020, 11, 5239-5246.	1.8	26
93	Single Cell Proteins production from food processing effluents and digestate. <i>Chemosphere</i> , 2022, 296, 134076.	4.2	26
94	Harmonization of the quantitative determination of volatile fatty acids profile in aqueous matrix samples by direct injection using gas chromatography and high-performance liquid chromatography techniques: Multi-laboratory validation study. <i>Journal of Chromatography A</i> , 2015, 1413, 94-106.	1.8	25
95	Operation and Maintenance of Full-Scale Municipal Membrane Biological Reactors: A Detailed Overview on a Case Study. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6688-6695.	1.8	23
96	Two-phase thermophilic anaerobic digestion process for biohythane production treating biowaste: preliminary results. <i>Water Science and Technology</i> , 2011, 64, 715-721.	1.2	23
97	Organic wastes as alternative sources of phosphorus for plant nutrition in a calcareous soil. <i>Waste Management</i> , 2019, 93, 34-46.	3.7	23
98	Micropollutants Removal and Operating Strategies in Ultrafiltration Membrane Systems for Municipal Wastewater Treatment: Preliminary Results. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6716-6723.	1.8	22
99	Anaerobic co-digestion of winery waste and waste activated sludge: assessment of process feasibility. <i>Water Science and Technology</i> , 2014, 69, 269-277.	1.2	22
100	Biogas from Residual Grass: A Territorial Approach for Sustainable Bioenergy Production. <i>Waste and Biomass Valorization</i> , 2017, 8, 2747-2756.	1.8	21
101	Environmental and sustainability evaluation of livestock waste management practices in Cyprus. <i>Science of the Total Environment</i> , 2018, 634, 127-140.	3.9	21
102	Technical and environmental evaluation of an integrated scheme for the co-treatment of wastewater and domestic organic waste in small communities. <i>Water Research</i> , 2017, 109, 173-185.	5.3	20
103	Effects of Enzymes Addition on Biogas Production From Anaerobic Digestion of Agricultural Biomasses. <i>Waste and Biomass Valorization</i> , 2019, 10, 3711-3722.	1.8	19
104	Biological thermophilic post hydrolysis of digestate enhances the biogas production in the anaerobic digestion of agro-waste. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110174.	8.2	19
105	Soft Sensor Application in Identification of the Activated Sludge Bulking Considering the Technological and Economical Aspects of Smart Systems Functioning. <i>Sensors</i> , 2020, 20, 1941.	2.1	19
106	Volatile Fatty Acid Recovery from Anaerobic Fermentate: Focusing on Adsorption and Desorption Performances. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13701-13709.	1.8	19
107	Poly-chlorinated dibenzo-p-dioxins, dibenzo-furans and dioxin-like poly-chlorinated biphenyls occurrence and removal in conventional and membrane activated sludge processes. <i>Bioresource Technology</i> , 2010, 101, 9445-9454.	4.8	18
108	Monitoring of cyanobacterial blooms and assessing polymer-enhanced microfiltration and ultrafiltration for microcystin removal in an Italian drinking water treatment plant. <i>Environmental Pollution</i> , 2021, 286, 117535.	3.7	18

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109	Validation of an evidence-based methodology to support regional carbon footprint assessment and decarbonisation of wastewater treatment service in Italy. <i>Water Research</i> , 2021, 207, 117831.	5.3	18
110	Long-term experience with an automatic process control for nitrogen removal in membrane bioreactors. <i>Desalination</i> , 2008, 227, 72-84.	4.0	17
111	Are centralized MBRs coping with the current transition of large petrochemical areas? A pilot study in Porto-Marghera (Venice). <i>Chemical Engineering Journal</i> , 2013, 214, 68-77.	6.6	17
112	Role and characteristics of problematic biofilms within the removal and mobility of trace metals in a pilot-scale membrane bioreactor. <i>Process Biochemistry</i> , 2013, 48, 1757-1766.	1.8	17
113	Nutrient removal via nitrite from reject water and polyhydroxyalkanoate (<sc>PHA</sc>) storage during nitrifying conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1802-1810.	1.6	17
114	Decentralised schemes for integrated management of wastewater and domestic organic waste: the case of a small community. <i>Journal of Environmental Management</i> , 2017, 203, 732-740.	3.8	17
115	Comparison of the biodegradability of the grey fraction of municipal solid waste of Barcelona in mesophilic and thermophilic conditions. <i>Water Science and Technology</i> , 2003, 48, 21-28.	1.2	16
116	An alternate oxic-anoxic process automatically controlled. Theory and practice in a real treatment plant network. <i>Water Science and Technology</i> , 2004, 48, 337-344.	1.2	16
117	The AF-BNR-SCP process as a way to reduce global sludge production: comparison with classical approaches on a full scale basis. <i>Water Science and Technology</i> , 2002, 46, 89-96.	1.2	15
118	Treatment of winery wastewater in a conventional municipal activated sludge process: five years of experience. <i>Water Science and Technology</i> , 2007, 56, 79-87.	1.2	15
119	Alternate Cycles Process for Municipal WWTPs Upgrading: Ready for Widespread Application?. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 4387-4393.	1.8	15
120	Treatment of waste activated sludge together with agro-waste by anaerobic digestion: focus on effluent quality. <i>Water Science and Technology</i> , 2014, 69, 525-531.	1.2	15
121	Targeted Bio-Based Volatile Fatty Acid Production from Waste Streams through Anaerobic Fermentation: Link between Process Parameters and Operating Scale. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9970-9987.	3.2	15
122	Phosphogypsum Leachate:â€‰‰ Treatment Feasibility in a Membrane Plant. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 6504-6511.	1.8	14
123	Carbon footprint of aerobic biological treatment of winery wastewater. <i>Water Science and Technology</i> , 2009, 60, 1185-1189.	1.2	14
124	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
125	Nano-occurrence and removal of PCBs within the Europe's largest petrochemical MBR system. <i>Water Research</i> , 2015, 83, 329-336.	5.3	14
126	Producing Biohythane from Urban Organic Wastes. <i>Waste and Biomass Valorization</i> , 2020, 11, 2367-2374.	1.8	14

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127	Effects of the Sludge Retention Time and Carbon Source on Polyhydroxyalkanoate-Storing Biomass Selection under Aerobic-Feast and Anoxic-Famine Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9455-9464.	3.2	14
128	Integration of wastewater and OFMSW treatment cycles: from the pilot scale experiment to the industrial realisation – the new full scale plant of Treviso (Italy). <i>Water Science and Technology</i> , 2000, 41, 165-173.	1.2	13
129	Switching small WWTPs from extended to intermittent aeration: process behaviour and performances. <i>Water Science and Technology</i> , 2008, 58, 865-872.	1.2	13
130	A water-waste-energy nexus approach to bridge the sustainability gap in landfill-based waste management regions. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110441.	8.2	13
131	Non-conventional yeasts for food and additives production in a circular economy perspective. <i>FEMS Yeast Research</i> , 2021, 21, .	1.1	12
132	Water-Energy-Food-Climate Nexus in an Integrated Peri-Urban Wastewater Treatment and Reuse System: From Theory to Practice. <i>Sustainability</i> , 2021, 13, 10952.	1.6	12
133	Two-Stage Start-Up to Achieve the Stable via-Nitrite Pathway in a Demonstration SBR for Anaerobic Codigestate Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15423-15430.	1.8	11
134	Validating Circular Performance Indicators: The Interface between Circular Economy and Stakeholders. <i>Water (Switzerland)</i> , 2021, 13, 2198.	1.2	11
135	Exploitation of Solar Energy for Ammonium Sulfate Recovery from Anaerobic Digestate of Different Origin. <i>Waste and Biomass Valorization</i> , 2019, 10, 3701-3709.	1.8	10
136	A microalgal-based preparation with synergistic cellulolytic and detoxifying action towards chemical-treated lignocellulose. <i>Plant Biotechnology Journal</i> , 2021, 19, 124-137.	4.1	10
137	Catchment-wide validated assessment of combined sewer overflows (CSOs) in a mediterranean coastal area and possible disinfection methods to mitigate microbial contamination. <i>Environmental Research</i> , 2021, 196, 110367.	3.7	10
138	Enhanced retention of deammonification microorganisms for the treatment of psychrophilic anaerobic digestate. <i>Chemical Engineering Journal</i> , 2018, 344, 633-639.	6.6	8
139	Resource recovery from water: From concept to standard practice. <i>Water Research</i> , 2020, 178, 115856.	5.3	8
140	Addition of an External Carbon Source To Enhance Nitrogen Biological Removal in the Treatment of Liquid Industrial Wastes. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2805-2811.	1.8	7
141	Anaerobic Digestion of the Organic Fraction of Municipal Solid Waste for Methane Production. , 2011, , 463-472.		7
142	A novel scheme for denitrifying biological phosphorus removal via nitrite from nutrient-rich anaerobic effluents in a short-cut sequencing batch reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 190-197.	1.6	7
143	Polyhydroxyalkanoated-Rich Microbial Cells from Bio-Based Volatile Fatty Acids as Potential Ingredient for Aquaculture Feed. <i>Energies</i> , 2021, 14, 38.	1.6	7
144	Membrane bioreactor processes: a must for the wastewater treatment plants of the Lagoon of Venice. <i>Annali Di Chimica</i> , 2003, 93, 381-8.	0.6	7

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145	Analysis of Meso/Thermo AD Process Applied to Pressed Biowaste. Waste and Biomass Valorization, 2015, 6, 723-731.	1.8	6
146	Single-phase anaerobic digestion of the organic fraction of municipal solid waste without dilution: Reactor stability and process performance of small, decentralised plants. Waste Management, 2021, 125, 103-111.	3.7	6
147	Two-Phase Anaerobic Digestion of Food Wastes for Hydrogen and Methane Production. Green Energy and Technology, 2016, , 75-90.	0.4	6
148	Valorisation of Agricultural Digestate for the Ammonium Sulfate Recovery and Soil Improvers Production. Waste and Biomass Valorization, 2021, 12, 6903-6916.	1.8	5
149	Optimization of Chemical and Physical Pretreatments in a Platform for the Treatment of Liquid Industrial Wastes. Industrial & Engineering Chemistry Research, 2001, 40, 4506-4512.	1.8	4
150	Treatment of food processing wastewater. , 2007, , 573-596.		4
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