

Juan Lema

List of Publications by Year in descending order

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316
papers

18,552
citations

10986

71
h-index

18647

119
g-index

321
all docs

321
docs citations

321
times ranked

15350
citing authors

#	ARTICLE	IF	CITATIONS
1	Resource allocation explains lactic acid production in mixed culture anaerobic fermentations. <i>Biotechnology and Bioengineering</i> , 2021, 118, 745-758.	3.3	13
2	Microbial invasions in sludge anaerobic digesters. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 21-33.	3.6	6
3	Microbial inefficient substrate use through the perspective of resource allocation models. <i>Current Opinion in Biotechnology</i> , 2021, 67, 130-140.	6.6	9
4	A new decentralized biological treatment process based on activated carbon targeting organic micropollutant removal from hospital wastewaters. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1214-1223.	5.3	10
5	Comprehensive comparison of chemically enhanced primary treatment and high-rate activated sludge in novel wastewater treatment plant configurations. <i>Water Research</i> , 2020, 169, 115258.	11.3	67
6	Metabolic modeling for predicting VFA production from protein-rich substrates by mixed culture fermentation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 73-84.	3.3	31
7	A metabolic model for targeted volatile fatty acids production by cofermentation of carbohydrates and proteins. <i>Bioresource Technology</i> , 2020, 298, 122535.	9.6	25
8	Acidogenesis is a key step in the anaerobic biotransformation of organic micropollutants. <i>Journal of Hazardous Materials</i> , 2020, 389, 121888.	12.4	42
9	Altered Clostridia response in extractive ABE fermentation with solvents of different nature. <i>Biochemical Engineering Journal</i> , 2020, 154, 107455.	3.6	9
10	“Who Cares?” The Acceptance of Decentralized Wastewater Systems in Regions without Water Problems. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9060.	2.6	9
11	Assessment of the fate of organic micropollutants in novel wastewater treatment plant configurations through an empirical mechanistic model. <i>Science of the Total Environment</i> , 2020, 716, 137079.	8.0	4
12	Thermal hydrolysis of sewage sludge partially removes organic micropollutants but does not enhance their anaerobic biotransformation. <i>Science of the Total Environment</i> , 2019, 690, 534-542.	8.0	35
13	Organic overloading affects the microbial interactions during anaerobic digestion in sewage sludge reactors. <i>Chemosphere</i> , 2019, 222, 323-332.	8.2	66
14	Green approaches for the extraction of antioxidants from eucalyptus leaves. <i>Industrial Crops and Products</i> , 2019, 138, 111473.	5.2	41
15	Energetic and economic assessment of sludge thermal hydrolysis in novel wastewater treatment plant configurations. <i>Waste Management</i> , 2019, 92, 30-38.	7.4	26
16	An optimised control system to steer the transition from anaerobic mono- to co-digestion in full-scale plants. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1004-1011.	2.4	7
17	Opportunities for rotating belt filters in novel wastewater treatment plant configurations. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 704-712.	2.4	6
18	Reversibility of enzymatic reactions might limit biotransformation of organic micropollutants. <i>Science of the Total Environment</i> , 2019, 665, 574-578.	8.0	25

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19	Targeted conversion of protein and glucose waste streams to volatile fatty acids by metabolic models. IFAC-PapersOnLine, 2019, 52, 175-180.	0.9	0
20	Air-side ammonia stripping coupled to anaerobic digestion indirectly impacts anaerobic microbiome. Microbial Biotechnology, 2019, 12, 1403-1416.	4.2	19
21	Biotransformation of organic micropollutants by anaerobic sludge enzymes. Water Research, 2019, 152, 202-214.	11.3	71
22	Development of a Superparamagnetic Laccase Nanobiocatalyst for the Enzymatic Biotransformation of Xenobiotics. Journal of Environmental Engineering, ASCE, 2018, 144, 04018007.	1.4	8
23	Role of methanogenesis on the biotransformation of organic micropollutants during anaerobic digestion. Science of the Total Environment, 2018, 622-623, 459-466.	8.0	75
24	Application of a combined fungal and diluted acid pretreatment on olive tree biomass. Industrial Crops and Products, 2018, 121, 10-17.	5.2	54
25	Sequential reactors for the removal of endocrine disrupting chemicals by laccase immobilized onto fumed silica microparticles. Biocatalysis and Biotransformation, 2018, 36, 254-264.	2.0	14
26	Enzymatic reactors for the removal of recalcitrant compounds in wastewater. Biocatalysis and Biotransformation, 2018, 36, 195-215.	2.0	15
27	Polymerization of coniferyl alcohol by Mn ³⁺ -mediated (enzymatic) oxidation: Effects of H ₂ O ₂ concentration, aqueous organic solvents, and pH. Biotechnology Progress, 2018, 34, 81-90.	2.6	3
28	What happens with organic micropollutants during UV disinfection in WWTPs? A global perspective from laboratory to full-scale. Journal of Hazardous Materials, 2018, 342, 670-678.	12.4	29
29	Understanding the sorption and biotransformation of organic micropollutants in innovative biological wastewater treatment technologies. Science of the Total Environment, 2018, 615, 297-306.	8.0	146
30	Simultaneous valorization and detoxification of the hemicellulose rich liquor from the organosolv fractionation. International Biodeterioration and Biodegradation, 2018, 126, 112-118.	3.9	7
31	Blending based optimisation and pretreatment strategies to enhance anaerobic digestion of poultry manure. Waste Management, 2018, 71, 521-531.	7.4	44
32	Lessons learned from the treatment of organosolv pulp with ligninolytic enzymes and chemical delignification agents. Cellulose, 2018, 25, 763-776.	4.9	4
33	Organosolv pretreated beech wood as a substrate for acetone butanol ethanol extractive fermentation. Holzforschung, 2018, 73, 55-64.	1.9	1
34	The time response of anaerobic digestion microbiome during an organic loading rate shock. Applied Microbiology and Biotechnology, 2018, 102, 10285-10297.	3.6	29
35	A novel enzyme catalysis reactor based on superparamagnetic nanoparticles for biotechnological applications. Journal of Environmental Chemical Engineering, 2018, 6, 5950-5960.	6.7	6
36	Why are organic micropollutants not fully biotransformed? A mechanistic modelling approach to anaerobic systems. Water Research, 2018, 142, 115-128.	11.3	50

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37	Scale-up and economic analysis of the production of ligninolytic enzymes from a side-stream of the organosolv process. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3125-3134.	3.2	11
38	Environmental assessment of alternative treatment schemes for energy and nutrient recovery from livestock manure. <i>Waste Management</i> , 2018, 77, 276-286.	7.4	26
39	Trends in organic micropollutants removal in secondary treatment of sewage. <i>Reviews in Environmental Science and Biotechnology</i> , 2018, 17, 447-469.	8.1	41
40	Laccase Activity as an Essential Factor in the Oligomerization of Rutin. <i>Catalysts</i> , 2018, 8, 321.	3.5	12
41	A systematic methodology for the robust quantification of energy efficiency at wastewater treatment plants featuring Data Envelopment Analysis. <i>Water Research</i> , 2018, 141, 317-328.	11.3	36
42	Electron bifurcation mechanism and homoacetogenesis explain products yields in mixed culture anaerobic fermentations. <i>Water Research</i> , 2018, 141, 349-356.	11.3	43
43	A combination of ammonia stripping and low temperature thermal pre-treatment improves anaerobic post-digestion of the supernatant from organic fraction of municipal solid waste treatment. <i>Waste Management</i> , 2018, 78, 271-278.	7.4	13
44	Assessing the feasibility of two hybrid MBR systems using PAC for removing macro and micropollutants. <i>Journal of Environmental Management</i> , 2017, 203, 831-837.	7.8	50
45	Cometabolic Enzymatic Transformation of Organic Micropollutants under Methanogenic Conditions. <i>Environmental Science & Technology</i> , 2017, 51, 2963-2971.	10.0	63
46	Fate of pharmaceuticals in soil after application of STPs products: Influence of physicochemical properties and modelling approach. <i>Chemosphere</i> , 2017, 182, 406-415.	8.2	17
47	Measuring Energy Demand and Efficiency at WWTPs: An Econometric Approach. <i>Lecture Notes in Civil Engineering</i> , 2017, , 404-411.	0.4	0
48	Enhancing thermophilic co-digestion of nitrogen-rich substrates by air side-stream stripping. <i>Bioresource Technology</i> , 2017, 241, 397-405.	9.6	27
49	The ManureEcoMine pilot installation: advanced integration of technologies for the management of organics and nutrients in livestock waste. <i>Water Science and Technology</i> , 2017, 75, 1281-1293.	2.5	21
50	Optimization of solvent extraction of antioxidants from <i>Eucalyptus globulus</i> leaves by response surface methodology: Characterization and assessment of their bioactive properties. <i>Industrial Crops and Products</i> , 2017, 108, 649-659.	5.2	74
51	Comprehensive investigation of the enzymatic oligomerization of esculin by laccase in ethanol-water mixtures. <i>RSC Advances</i> , 2017, 7, 38424-38433.	3.6	14
52	Life cycle assessment of Î ² -Galactosidase enzyme production. <i>Journal of Cleaner Production</i> , 2017, 165, 204-212.	9.3	13
53	Rutin: A review on extraction, identification and purification methods, biological activities and approaches to enhance its bioavailability. <i>Trends in Food Science and Technology</i> , 2017, 67, 220-235.	15.1	392
54	Application of flow cytometry for monitoring the production of poly(3-hydroxybutyrate) by <i>Halomonas boliviensis</i> . <i>Biotechnology Progress</i> , 2017, 33, 276-284.	2.6	6

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55	Formulation of Laccase Nanobiocatalysts Based on Ionic and Covalent Interactions for the Enhanced Oxidation of Phenolic Compounds. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 851.	2.5	14
56	Influence of hydraulic retention time on the psychrophilic hydrolysis/acidogenesis of proteins. <i>Water Science and Technology</i> , 2016, 74, 2399-2406.	2.5	0
57	Presence does not imply activity: DNA and RNA patterns differ in response to salt perturbation in anaerobic digestion. <i>Biotechnology for Biofuels</i> , 2016, 9, 244.	6.2	81
58	Effect of oxygen on the microbial activities of thermophilic anaerobic biomass. <i>Bioresource Technology</i> , 2016, 211, 765-768.	9.6	20
59	Understanding the fate of organic micropollutants in sand and granular activated carbon biofiltration systems. <i>Science of the Total Environment</i> , 2016, 551-552, 640-648.	8.0	77
60	Microbiome response to controlled shifts in ammonium and LCFA levels in co-digestion systems. <i>Journal of Biotechnology</i> , 2016, 220, 35-44.	3.8	32
61	Effect of nitrogen and/or oxygen concentration on poly(3-hydroxybutyrate) accumulation by <i>Halomonas boliviensis</i> . <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1365-1374.	3.4	21
62	Operation of an innovative WWTP with environmental objectives. A model-based analysis. <i>IFAC-PapersOnLine</i> , 2016, 49, 539-543.	0.9	2
63	Production of poly(3-hydroxybutyrate) by simultaneous saccharification and fermentation of cereal mash using <i>Halomonas boliviensis</i> . <i>Biochemical Engineering Journal</i> , 2016, 114, 140-146.	3.6	12
64	Monitoring and diagnosis of energy consumption in wastewater treatment plants. A state of the art and proposals for improvement. <i>Applied Energy</i> , 2016, 179, 1251-1268.	10.1	333
65	Is anaerobic digestion effective for the removal of organic micropollutants and biological activities from sewage sludge?. <i>Water Research</i> , 2016, 102, 211-220.	11.3	140
66	Fungal pretreatment of agricultural residues for bioethanol production. <i>Industrial Crops and Products</i> , 2016, 89, 486-492.	5.2	108
67	Fostering the action of versatile peroxidase as a highly efficient biocatalyst for the removal of endocrine disrupting compounds. <i>New Biotechnology</i> , 2016, 33, 187-195.	4.4	28
68	The potential of the innovative SeMPAC process for enhancing the removal of recalcitrant organic micropollutants. <i>Journal of Hazardous Materials</i> , 2016, 308, 29-36.	12.4	38
69	Biotransformation of pharmaceuticals under nitrification, nitratation and heterotrophic conditions. <i>Science of the Total Environment</i> , 2016, 541, 1439-1447.	8.0	125
70	A UASB reactor coupled to a hybrid aerobic MBR as innovative plant configuration to enhance the removal of organic micropollutants. <i>Chemosphere</i> , 2016, 144, 452-458.	8.2	77
71	Assessing the use of nanoimmobilized laccases to remove micropollutants from wastewater. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3217-3228.	5.3	45
72	Risk assessment of persistent pharmaceuticals in biosolids: Dealing with uncertainty. <i>Journal of Hazardous Materials</i> , 2016, 302, 72-81.	12.4	35

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73	Continuous removal of endocrine disruptors by versatile peroxidase using a two-stage system. <i>Biotechnology Progress</i> , 2015, 31, 908-916.	2.6	32
74	Advanced technologies for water treatment and reuse. <i>AIChE Journal</i> , 2015, 61, 3146-3158.	3.6	67
75	Metabolic Energy-Based Modelling Explains Product Yielding in Anaerobic Mixed Culture Fermentations. <i>PLoS ONE</i> , 2015, 10, e0126739.	2.5	61
76	Microbial management of anaerobic digestion: exploiting the microbiome-functionality nexus. <i>Current Opinion in Biotechnology</i> , 2015, 33, 103-111.	6.6	268
77	Continuous Removal of Nonylphenol by Versatile Peroxidase in a Two-Stage Membrane Bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3038-3047.	2.9	18
78	Potentiality of a ceramic membrane reactor for the laccase-catalyzed removal of bisphenol A from secondary effluents. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9299-9308.	3.6	29
79	Control strategy for maximum anaerobic co-digestion performance. <i>Water Research</i> , 2015, 80, 209-216.	11.3	21
80	Microbial catabolic activities are naturally selected by metabolic energy harvest rate. <i>ISME Journal</i> , 2015, 9, 2630-2641.	9.8	69
81	Enzymatic technologies for remediation of hydrophobic organic pollutants in soil. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 8815-8829.	3.6	47
82	Key microbial communities steering the functioning of anaerobic digesters during hydraulic and organic overloading shocks. <i>Bioresource Technology</i> , 2015, 197, 208-216.	9.6	114
83	Coupling extraction and enzyme catalysis for the removal of anthracene present in polluted soils. <i>Biochemical Engineering Journal</i> , 2015, 93, 289-293.	3.6	10
84	Assessment of morphological changes of <i>Clostridium acetobutylicum</i> by flow cytometry during acetone/butanol/ethanol extractive fermentation. <i>Biotechnology Letters</i> , 2015, 37, 577-584.	2.2	18
85	Kinetic modelling of anaerobic hydrolysis of solid wastes, including disintegration processes. <i>Waste Management</i> , 2015, 35, 96-104.	7.4	52
86	Removal of PPCPs from the sludge supernatant in a one stage nitrification/anammox process. <i>Water Research</i> , 2015, 68, 701-709.	11.3	78
87	Comparison of several methods for the separation of poly(3-hydroxybutyrate) from <i>Cupriavidus necator</i> H16 cultures. <i>Biochemical Engineering Journal</i> , 2015, 93, 250-259.	3.6	75
88	Feasibility of spent metalworking fluids as co-substrate for anaerobic co-digestion. <i>Bioresource Technology</i> , 2014, 155, 281-288.	9.6	16
89	Influence of transitional states on the microbial ecology of anaerobic digesters treating solid wastes. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2015-2027.	3.6	32
90	Outlining microbial community dynamics during temperature drop and subsequent recovery period in anaerobic co-digestion systems. <i>Journal of Biotechnology</i> , 2014, 192, 179-186.	3.8	50

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91	Optimisation of substrate blends in anaerobic co-digestion using adaptive linear programming. <i>Bioresource Technology</i> , 2014, 173, 159-167.	9.6	40
92	Assessing anaerobic co-digestion of pig manure with agroindustrial wastes: The link between environmental impacts and operational parameters. <i>Science of the Total Environment</i> , 2014, 497-498, 475-483.	8.0	46
93	Modelling cometabolic biotransformation of organic micropollutants in nitrifying reactors. <i>Water Research</i> , 2014, 65, 371-383.	11.3	68
94	Understanding the removal mechanisms of PPCPs and the influence of main technological parameters in anaerobic UASB and aerobic CAS reactors. <i>Journal of Hazardous Materials</i> , 2014, 278, 506-513.	12.4	224
95	Life Cycle Assessment of electricity production in Italy from anaerobic co-digestion of pig slurry and energy crops. <i>Renewable Energy</i> , 2014, 68, 625-635.	8.9	109
96	Vegetable oils as NAPLs in two phase partitioning bioreactors for the degradation of anthracene by laccase. <i>Chemical Engineering Journal</i> , 2014, 240, 281-289.	12.7	20
97	Solvent screening methodology for in situ ABE extractive fermentation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5915-5924.	3.6	38
98	Application of a three-compartment model as a tool to understand the partition of 17 β -ethinylestradiol in mixed liquor systems. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 257-262.	2.3	2
99	Fermentation of Biologically Pretreated Wheat Straw for Ethanol Production: Comparison of Fermentative Microorganisms and Process Configurations. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1838-1852.	2.9	19
100	Operational strategies for producing bioethanol in a continuous single-stage reactor. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1929-1937.	3.4	5
101	Generalised modelling approach for anaerobic co-digestion of fermentable substrates. <i>Bioresource Technology</i> , 2013, 147, 525-533.	9.6	37
102	Relationship between phenol degradation efficiency and microbial community structure in an anaerobic SBR. <i>Water Research</i> , 2013, 47, 6739-6749.	11.3	133
103	Enhanced performance of sulfate reducing bacteria based biocathode using stainless steel mesh on activated carbon fabric electrode. <i>Bioresource Technology</i> , 2013, 150, 172-180.	9.6	42
104	On the use of a high-redox potential laccase as an alternative for the transformation of non-steroidal anti-inflammatory drugs (NSAIDs). <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 233-242.	1.8	52
105	Bioencapsulated probiotics increased survival, growth and improved gut flora of turbot (Psetta Tj ETQq1 1 0.784314 rgBT /Qverlock 10	2.2	21
106	Enhanced Saccharification of Biologically Pretreated Wheat Straw for Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1147-1159.	2.9	20
107	Optimisation of the biological pretreatment of wheat straw with white-rot fungi for ethanol production. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1251-1260.	3.4	66
108	Improving the catalytic performance of laccase using a novel continuous-flow microreactor. <i>Chemical Engineering Journal</i> , 2013, 223, 497-506.	12.7	45

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109	Biodegradation kinetic constants and sorption coefficients of micropollutants in membrane bioreactors. <i>Biodegradation</i> , 2013, 24, 165-177.	3.0	82
110	Activation of Kraft Lignin by an Enzymatic Treatment with a Versatile Peroxidase from <i>Bjerkandera sp.</i> R1. <i>Applied Biochemistry and Biotechnology</i> , 2013, 169, 1262-1278.	2.9	7
111	Linking thermodynamics and kinetics to assess pathway reversibility in anaerobic bioprocesses. <i>Energy and Environmental Science</i> , 2013, 6, 3780.	30.8	104
112	Removal of Estrogenic Compounds from Filtered Secondary Wastewater Effluent in a Continuous Enzymatic Membrane Reactor. Identification of Biotransformation Products. <i>Environmental Science & Technology</i> , 2013, 47, 4536-4543.	10.0	105
113	Application of response surface methodology to study the removal of estrogens in a laccase-mediated continuous membrane reactor. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 197-207.	2.0	11
114	Removal of Pharmaceuticals by Membrane Bioreactor (MBR) Technology. <i>Comprehensive Analytical Chemistry</i> , 2013, , 287-317.	1.3	8
115	Evaluation of natural zeolite as microorganism support medium in nitrifying batch reactors: Influence of zeolite particle size. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 420-427.	1.7	16
116	Use of White-Rot Fungi for Valorization of Stillage From Bioethanol Production. <i>Waste and Biomass Valorization</i> , 2012, 3, 295-303.	3.4	8
117	Continuous operation of a fluidized bed reactor for the removal of estrogens by immobilized laccase on Eupergit supports. <i>Journal of Biotechnology</i> , 2012, 162, 404-406.	3.8	42
118	Influence of nitrifying conditions on the biodegradation and adsorption of emerging micropollutants. <i>Water Research</i> , 2012, 46, 5434-5444.	11.3	225
119	Relationship between microbial activity and microbial community structure in six full-scale anaerobic digesters. <i>Microbiological Research</i> , 2012, 167, 581-589.	5.3	186
120	Enhanced methane production from pig manure anaerobic digestion using fish and biodiesel wastes as co-substrates. <i>Bioresource Technology</i> , 2012, 123, 507-513.	9.6	51
121	Immobilisation of laccase on Eupergit supports and its application for the removal of endocrine disrupting chemicals in a packed-bed reactor. <i>Biodegradation</i> , 2012, 23, 373-386.	3.0	89
122	Mass balance of pharmaceutical and personal care products in a pilot-scale single-sludge system: Influence of T, SRT and recirculation ratio. <i>Chemosphere</i> , 2012, 89, 164-171.	8.2	89
123	Operation of stirred tank reactors (STRs) and fixed-bed reactors (FBRs) with free and immobilized <i>Phanerochaete chrysosporium</i> for the continuous removal of pharmaceutical compounds. <i>Biochemical Engineering Journal</i> , 2012, 66, 38-45.	3.6	60
124	Surfactant-assisted two phase partitioning bioreactors for laccase-catalyzed degradation of anthracene. <i>Process Biochemistry</i> , 2012, 47, 1115-1121.	3.7	24
125	Degradation of estrogens by laccase from <i>Myceliophthora thermophila</i> in fed-batch and enzymatic membrane reactors. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 175-183.	12.4	77
126	Biotransformation of three pharmaceutical active compounds by the fungus <i>Phanerochaete chrysosporium</i> in a fed batch stirred reactor under air and oxygen supply. <i>Biodegradation</i> , 2012, 23, 145-156.	3.0	103

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127	Economic comparison of enzymatic reactors and advanced oxidation processes applied to the degradation of phenol as a model compound. <i>Biocatalysis and Biotransformation</i> , 2011, 29, 344-353.	2.0	12
128	Occurrence and fate of pharmaceutical and personal care products in a sewage treatment works. <i>Journal of Environmental Monitoring</i> , 2011, 13, 137-144.	2.1	17
129	Removal of persistent pharmaceutical micropollutants from sewage by addition of PAC in a sequential membrane bioreactor. <i>Water Research</i> , 2011, 45, 5323-5333.	11.3	119
130	Oxidation of pharmaceutically active compounds by a ligninolytic fungal peroxidase. <i>Biodegradation</i> , 2011, 22, 539-550.	3.0	97
131	A new strain of <i>Bjerkandera</i> sp. production, purification and characterization of versatile peroxidase. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 115-122.	3.6	25
132	Degradation of selected pharmaceutical and personal care products (PPCPs) by white-rot fungi. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1839-1846.	3.6	136
133	Biocatalytic generation of Mn(III)â€chelate as a chemical oxidant of different environmental contaminants. <i>Biotechnology Progress</i> , 2011, 27, 668-676.	2.6	12
134	Immobilization of laccase by encapsulation in a solâ€gel matrix and its characterization and use for the removal of estrogens. <i>Biotechnology Progress</i> , 2011, 27, 1570-1579.	2.6	59
135	Combined cross-linked enzyme aggregates from versatile peroxidase and glucose oxidase: Production, partial characterization and application for the elimination of endocrine disruptors. <i>Bioresource Technology</i> , 2011, 102, 6593-6599.	9.6	106
136	Autopilot Abstraction and Standardization for Seamless Integration of Unmanned Aircraft System Applications. <i>Journal of Aerospace Computing, Information, and Communication</i> , 2011, 8, 197-223.	0.8	7
137	Comparison of PPCPs removal on a parallel-operated MBR and AS system and evaluation of effluent post-treatment on vertical flow reed beds. <i>Water Science and Technology</i> , 2011, 63, 2411-2417.	2.5	48
138	Study of mass transfer and biocatalyst stability for the enzymatic degradation of anthracene in a two-phase partitioning bioreactor. <i>Biochemical Engineering Journal</i> , 2010, 51, 79-85.	3.6	23
139	Laccase-catalyzed degradation of anti-inflammatories and estrogens. <i>Biochemical Engineering Journal</i> , 2010, 51, 124-131.	3.6	185
140	A methodology for optimising feed composition for anaerobic co-digestion of agro-industrial wastes. <i>Bioresource Technology</i> , 2010, 101, 1153-1158.	9.6	238
141	The effect and fate of antibiotics during the anaerobic digestion of pig manure. <i>Bioresource Technology</i> , 2010, 101, 8581-8586.	9.6	182
142	Influence of the employment of adsorption and coprecipitation agents for the removal of PPCPs in conventional activated sludge (CAS) systems. <i>Water Science and Technology</i> , 2010, 62, 728-735.	2.5	27
143	Removal of Pharmaceutical and Personal Care Products (PPCPs) under nitrifying and denitrifying conditions. <i>Water Research</i> , 2010, 44, 3214-3224.	11.3	406
144	Environmental assessment of anaerobically digested sludge reuse in agriculture: Potential impacts of emerging micropollutants. <i>Water Research</i> , 2010, 44, 3225-3233.	11.3	121

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145	Reactor Engineering. , 2010, , 245-290.		3
146	Fate and removal of pharmaceuticals and personal care products (PPCPs) in a conventional activated sludge treatment process. , 2010, , .		8
147	Effect of culture temperature on the heterologous expression of <i>Pleurotus eryngii</i> versatile peroxidase in <i>Aspergillus</i> hosts. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 129-134.	3.4	26
148	Influence of Different Pretreatments on Anaerobically Digested Sludge Characteristics: Suitability for Final Disposal. <i>Water, Air, and Soil Pollution</i> , 2009, 199, 311-321.	2.4	41
149	Pre-treatment of hospital wastewater by coagulation-flocculation and flotation. <i>Bioresource Technology</i> , 2009, 100, 2138-2146.	9.6	264
150	Pilot-Scale Validation of a New Sensor for On-Line Analysis of Volatile Fatty Acids and Alkalinity in Anaerobic Wastewater Treatment Plants. <i>Environmental Engineering Science</i> , 2009, 26, 641-649.	1.6	30
151	Selection of variables for on-line monitoring, diagnosis, and control of anaerobic digestion processes. <i>Water Science and Technology</i> , 2009, 60, 615-622.	2.5	31
152	How are pharmaceutical and personal care products (PPCPs) removed from urban wastewaters?. <i>Reviews in Environmental Science and Biotechnology</i> , 2008, 7, 125-138.	8.1	365
153	Determination of the adequate minimum model complexity required in anaerobic bioprocesses using experimental data. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1694-1702.	3.2	13
154	Biofiltration of a methanol containing air stream in a dry tubular biofilm reactor using ceramic rings as carrier. <i>Environmental Progress</i> , 2008, 27, 117-124.	0.7	4
155	Enzymatic degradation of low soluble compounds in monophasic water:solvent reactors. Kinetics and modeling of anthracene degradation by MnP. <i>Biotechnology and Bioengineering</i> , 2008, 100, 619-626.	3.3	10
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311	A new device for measurement and control of gas production by bench scale anaerobic digesters. <i>Water Research</i> , 1990, 24, 1551-1554.	11.3	53
312	The D-xylose fermenting capacities of immobilized <i>Pichia stipitis</i> and <i>Pachysolen tannophilus</i> . <i>Biotechnology Letters</i> , 1989, 11, 353-358.	2.2	3
313	Semi-micro C.O.D. determination method for high-salinity wastewater. <i>Environmental Technology Letters</i> , 1989, 10, 541-548.	0.4	64
314	Anaerobic treatment of landfill leachates: Kinetics and stoichiometry. <i>Environmental Technology Letters</i> , 1987, 8, 555-564.	0.4	16
315	Dynamic simulation of an air-water wetted wall column: Comparison of experimental and numerical results. <i>Computers and Chemical Engineering</i> , 1987, 11, 311-317.	3.8	0
316	Cell immobilization: Application to alcohol production. <i>Enzyme and Microbial Technology</i> , 1987, 9, 642-651.	3.2	52