Juan Lema

List of Publications by Year in Descending Order

317 papers	15,305 citations	65 h-index	108 g-index
320 ext. papers	16,678 ext. citations	6.6 avg, IF	6.75 L-index

#	Paper	IF	Citations
317	Resource allocation explains lactic acid production in mixed-culture anaerobic fermentations. *Biotechnology and Bioengineering*, **2021**, 118, 745-758	4.9	5
316	Microbial invasions in sludge anaerobic digesters. *Applied Microbiology and Biotechnology*, **2021**, 105, 21-33	5.7	3
315	Microbial inefficient substrate use through the perspective of resource allocation models. *Current Opinion in Biotechnology*, **2021**, 67, 130-140	11.4	3
314	Assessment of the fate of organic micropollutants in novel wastewater treatment plant configurations through an empirical mechanistic model. *Science of the Total Environment*, **2020**, 716, 137079	10.2	3
313	Comprehensive comparison of chemically enhanced primary treatment and high-rate activated sludge in novel wastewater treatment plant configurations. *Water Research*, **2020**, 169, 115258	12.5	30
312	Metabolic modeling for predicting VFA production from protein-rich substrates by mixed-culture fermentation. *Biotechnology and Bioengineering*, **2020**, 117, 73-84	4.9	17
311	A metabolic model for targeted volatile fatty acids production by cofermentation of carbohydrates and proteins. *Bioresource Technology*, **2020**, 298, 122535	11	16
310	Acidogenesis is a key step in the anaerobic biotransformation of organic micropollutants. *Journal of Hazardous Materials*, **2020**, 389, 121888	12.8	25
309	Altered Clostridia response in extractive ABE fermentation with solvents of different nature. *Biochemical Engineering Journal*, **2020**, 154, 107455	4.2	4
308	"Who Cares?": The Acceptance of Decentralized Wastewater Systems in Regions without Water Problems. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	4
307	A new decentralized biological treatment process based on activated carbon targeting organic micropollutant removal from hospital wastewaters. *Environmental Science and Pollution Research*, **2020**, 27, 1214-1223	5.1	3
306	Organic overloading affects the microbial interactions during anaerobic digestion in sewage sludge reactors. *Chemosphere*, **2019**, 222, 323-332	8.4	39
305	Green approaches for the extraction of antioxidants from eucalyptus leaves. *Industrial Crops and Products*, **2019**, 138, 111473	5.9	21
304	Energetic and economic assessment of sludge thermal hydrolysis in novel wastewater treatment plant configurations. *Waste Management*, **2019**, 92, 30-38	8.6	15
303	An optimised control system to steer the transition from anaerobic mono- to co-digestion in full-scale plants. *Environmental Science: Water Research and Technology*, **2019**, 5, 1004-1011	4.2	4
302	Opportunities for rotating belt filters in novel wastewater treatment plant configurations. *Environmental Science: Water Research and Technology*, **2019**, 5, 704-712	4.2	5
301	Thermal hydrolysis of sewage sludge partially removes organic micropollutants but does not enhance their anaerobic biotransformation. *Science of the Total Environment*, **2019**, 690, 534-542	10.2	23

300	Reversibility of enzymatic reactions might limit biotransformation of organic micropollutants. *Science of the Total Environment*, **2019**, 665, 574-578	10.2	22
299	Targeted conversion of protein and glucose waste streams to volatile fatty acids by metabolic models. *IFAC-PapersOnLine*, **2019**, 52, 175-180	0.7	
298	Air-side ammonia stripping coupled to anaerobic digestion indirectly impacts anaerobic microbiome. *Microbial Biotechnology*, **2019**, 12, 1403-1416	6.3	11
297	Biotransformation of organic micropollutants by anaerobic sludge enzymes. *Water Research*, **2019**, 152, 202-214	12.5	49
296	Development of a Superparamagnetic Laccase Nanobiocatalyst for the Enzymatic Biotransformation of Xenobiotics. *Journal of Environmental Engineering, ASCE*, **2018**, 144, 04018007	2	6
295	Role of methanogenesis on the biotransformation of organic micropollutants during anaerobic digestion. *Science of the Total Environment*, **2018**, 622-623, 459-466	10.2	53
294	Application of a combined fungal and diluted acid pretreatment on olive tree biomass. *Industrial Crops and Products*, **2018**, 121, 10-17	5.9	37
293	Sequential reactors for the removal of endocrine disrupting chemicals by laccase immobilized onto fumed silica microparticles. *Biocatalysis and Biotransformation*, **2018**, 36, 254-264	2.5	13
292	Enzymatic reactors for the removal of recalcitrant compounds in wastewater. *Biocatalysis and Biotransformation*, **2018**, 36, 195-215	2.5	11
291	Polymerization of coniferyl alcohol by Mn -mediated (enzymatic) oxidation: Effects of H O concentration, aqueous organic solvents, and pH. *Biotechnology Progress*, **2018**, 34, 81-90	2.8	2
290	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	12.8	24
289	Understanding the sorption and biotransformation of organic micropollutants in innovative biological wastewater treatment technologies. *Science of the Total Environment*, **2018**, 615, 297-306	10.2	99
288	Laccase Activity as an Essential Factor in the Oligomerization of Rutin. *Catalysts*, **2018**, 8, 321	4	10
287	A systematic methodology for the robust quantification of energy efficiency at wastewater treatment plants featuring Data Envelopment Analysis. *Water Research*, **2018**, 141, 317-328	12.5	23
286	Electron bifurcation mechanism and homoacetogenesis explain products yields in mixed culture anaerobic fermentations. *Water Research*, **2018**, 141, 349-356	12.5	29
285	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. *Waste Management*, **2018**, 78, 271-278	8.6	13
284	Simultaneous valorization and detoxification of the hemicellulose rich liquor from the organosolv fractionation. *International Biodeterioration and Biodegradation*, **2018**, 126, 112-118	4.8	5
283	Blending based optimisation and pretreatment strategies to enhance anaerobic digestion of poultry manure. *Waste Management*, **2018**, 71, 521-531	8.6	30

282	Lessons learned from the treatment of organosolv pulp with ligninolytic enzymes and chemical delignification agents. *Cellulose*, **2018**, 25, 763-776	5.5	3
281	Organosolv pretreated beech wood as a substrate for acetone butanol ethanol extractive fermentation. *Holzforschung*, **2018**, 73, 55-64	2	0
280	The time response of anaerobic digestion microbiome during an organic loading rate shock. *Applied Microbiology and Biotechnology*, **2018**, 102, 10285-10297	5.7	15
279	A novel enzyme catalysis reactor based on superparamagnetic nanoparticles for biotechnological applications. *Journal of Environmental Chemical Engineering*, **2018**, 6, 5950-5960	6.8	5
278	Why are organic micropollutants not fully biotransformed? A mechanistic modelling approach to anaerobic systems. *Water Research*, **2018**, 142, 115-128	12.5	40
277	Scale-up and economic analysis of the production of ligninolytic enzymes from a side-stream of the organosolv process. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 3125-3134	3.5	7
276	Environmental assessment of alternative treatment schemes for energy and nutrient recovery from livestock manure. *Waste Management*, **2018**, 77, 276-286	8.6	13
275	Trends in organic micropollutants removal in secondary treatment of sewage. *Reviews in Environmental Science and Biotechnology*, **2018**, 17, 447-469	13.9	23
274	Assessing the feasibility of two hybrid MBR systems using PAC for removing macro and micropollutants. *Journal of Environmental Management*, **2017**, 203, 831-837	7.9	35
273	Cometabolic Enzymatic Transformation of Organic Micropollutants under Methanogenic Conditions. *Environmental Science & Technology*, **2017**, 51, 2963-2971	10.3	48
272	Fate of pharmaceuticals in soil after application of STPs products: Influence of physicochemical properties and modelling approach. *Chemosphere*, **2017**, 182, 406-415	8.4	9
271	Measuring Energy Demand and Efficiency at WWTPs: An Econometric Approach. *Lecture Notes in Civil Engineering*, **2017**, 404-411	0.3	
270	Enhancing thermophilic co-digestion of nitrogen-rich substrates by air side-stream stripping. *Bioresource Technology*, **2017**, 241, 397-405	11	17
269	The ManureEcoMine pilot installation: advanced integration of technologies for the management of organics and nutrients in livestock waste. *Water Science and Technology*, **2017**, 75, 1281-1293	2.2	16
268	Optimization of solvent extraction of antioxidants from Eucalyptus globulus leaves by response surface methodology: Characterization and assessment of their bioactive properties. *Industrial Crops and Products*, **2017**, 108, 649-659	5.9	49
267	Comprehensive investigation of the enzymatic oligomerization of esculin by laccase in ethanol : water mixtures. *RSC Advances*, **2017**, 7, 38424-38433	3.7	11
266	Life cycle assessment of □Galactosidase enzyme production. *Journal of Cleaner Production*, **2017**, 165, 204-212	10.3	6
265	Rutin: A review on extraction, identification and purification methods, biological activities and approaches to enhance its bioavailability. *Trends in Food Science and Technology*, **2017**, 67, 220-235	15.3	241

264	Application of flow cytometry for monitoring the production of poly(3-hydroxybutyrate) by Halomonas boliviensis. *Biotechnology Progress*, **2017**, 33, 276-284	2.8	5
263	Formulation of Laccase Nanobiocatalysts Based on Ionic and Covalent Interactions for the Enhanced Oxidation of Phenolic Compounds. *Applied Sciences (Switzerland)*, **2017**, 7, 851	2.6	13
262	Risk assessment of persistent pharmaceuticals in biosolids: Dealing with uncertainty. *Journal of Hazardous Materials*, **2016**, 302, 72-81	12.8	27
261	Monitoring and diagnosis of energy consumption in wastewater treatment plants. A state of the art and proposals for improvement. *Applied Energy*, **2016**, 179, 1251-1268	10.7	232
260	Is anaerobic digestion effective for the removal of organic micropollutants and biological activities from sewage sludge?. *Water Research*, **2016**, 102, 211-220	12.5	107
259	Fungal pretreatment of agricultural residues for bioethanol production. *Industrial Crops and Products*, **2016**, 89, 486-492	5.9	85
258	Fostering the action of versatile peroxidase as a highly efficient biocatalyst for the removal of endocrine disrupting compounds. *New Biotechnology*, **2016**, 33, 187-95	6.4	23
257	The potential of the innovative SeMPAC process for enhancing the removal of recalcitrant organic micropollutants. *Journal of Hazardous Materials*, **2016**, 308, 29-36	12.8	30
256	Biotransformation of pharmaceuticals under nitrification, nitratation and heterotrophic conditions. *Science of the Total Environment*, **2016**, 541, 1439-1447	10.2	88
255	A UASB reactor coupled to a hybrid aerobic MBR as innovative plant configuration to enhance the removal of organic micropollutants. *Chemosphere*, **2016**, 144, 452-8	8.4	63
254	Assessing the use of nanoimmobilized laccases to remove micropollutants from wastewater. *Environmental Science and Pollution Research*, **2016**, 23, 3217-28	5.1	41
253	Influence of hydraulic retention time on the psychrophilic hydrolysis/acidogenesis of proteins. *Water Science and Technology*, **2016**, 74, 2399-2406	2.2	
252	Presence does not imply activity: DNA and RNA patterns differ in response to salt perturbation in anaerobic digestion. *Biotechnology for Biofuels*, **2016**, 9, 244	7.8	43
251	Effect of oxygen on the microbial activities of thermophilic anaerobic biomass. *Bioresource Technology*, **2016**, 211, 765-8	11	14
250	Understanding the fate of organic micropollutants in sand and granular activated carbon biofiltration systems. *Science of the Total Environment*, **2016**, 551-552, 640-8	10.2	57
249	Microbiome response to controlled shifts in ammonium and LCFA levels in co-digestion systems. *Journal of Biotechnology*, **2016**, 220, 35-44	3.7	26
248	Effect of nitrogen and/or oxygen concentration on poly(3-hydroxybutyrate) accumulation by Halomonas boliviensis. *Bioprocess and Biosystems Engineering*, **2016**, 39, 1365-74	3.7	15
247	Operation of an innovative WWTP with environmental objectives. A model-based analysis. *IFAC-PapersOnLine*, **2016**, 49, 539-543	0.7	2

246	Production of poly(3-hydroxybutyrate) by simultaneous saccharification and fermentation of cereal mash using Halomonas boliviensis. *Biochemical Engineering Journal*, **2016**, 114, 140-146	4.2	8
245	Continuous removal of nonylphenol by versatile peroxidase in a two-stage membrane bioreactor. *Applied Biochemistry and Biotechnology*, **2015**, 175, 3038-47	3.2	15
244	Potentiality of a ceramic membrane reactor for the laccase-catalyzed removal of bisphenol A from secondary effluents. *Applied Microbiology and Biotechnology*, **2015**, 99, 9299-308	5.7	27
243	Control strategy for maximum anaerobic co-digestion performance. *Water Research*, **2015**, 80, 209-16	12.5	20
242	Microbial catabolic activities are naturally selected by metabolic energy harvest rate. *ISME Journal*, **2015**, 9, 2630-41	11.9	42
241	Enzymatic technologies for remediation of hydrophobic organic pollutants in soil. *Applied Microbiology and Biotechnology*, **2015**, 99, 8815-29	5.7	41
240	Key microbial communities steering the functioning of anaerobic digesters during hydraulic and organic overloading shocks. *Bioresource Technology*, **2015**, 197, 208-16	11	92
239	Coupling extraction and enzyme catalysis for the removal of anthracene present in polluted soils. *Biochemical Engineering Journal*, **2015**, 93, 289-293	4.2	9
238	Assessment of morphological changes of Clostridium acetobutylicum by flow cytometry during acetone/butanol/ethanol extractive fermentation. *Biotechnology Letters*, **2015**, 37, 577-84	3	18
237	Kinetic modelling of anaerobic hydrolysis of solid wastes, including disintegration processes. *Waste Management*, **2015**, 35, 96-104	8.6	38
236	Removal of PPCPs from the sludge supernatant in a one stage nitritation/anammox process. *Water Research*, **2015**, 68, 701-9	12.5	65
235	Comparison of several methods for the separation of poly(3-hydroxybutyrate) from Cupriavidus necator H16 cultures. *Biochemical Engineering Journal*, **2015**, 93, 250-259	4.2	51
234	Continuous removal of endocrine disruptors by versatile peroxidase using a two-stage system. *Biotechnology Progress*, **2015**, 31, 908-16	2.8	24
233	Advanced technologies for water treatment and reuse. *AICHE Journal*, **2015**, 61, 3146-3158	3.6	56
232	Metabolic energy-based modelling explains product yielding in anaerobic mixed culture fermentations. *PLoS ONE*, **2015**, 10, e0126739	3.7	48
231	Microbial management of anaerobic digestion: exploiting the microbiome-functionality nexus. *Current Opinion in Biotechnology*, **2015**, 33, 103-11	11.4	210
230	Influence of transitional states on the microbial ecology of anaerobic digesters treating solid wastes. *Applied Microbiology and Biotechnology*, **2014**, 98, 2015-27	5.7	29
229	Outlining microbial community dynamics during temperature drop and subsequent recovery period in anaerobic co-digestion systems. *Journal of Biotechnology*, **2014**, 192 Pt A, 179-86	3.7	48

228	Optimisation of substrate blends in anaerobic co-digestion using adaptive linear programming. *Bioresource Technology*, **2014**, 173, 159-167	11	26
227	Assessing anaerobic co-digestion of pig manure with agroindustrial wastes: the link between environmental impacts and operational parameters. *Science of the Total Environment*, **2014**, 497-498, 475-483	10.2	33
226	Modelling cometabolic biotransformation of organic micropollutants in nitrifying reactors. *Water Research*, **2014**, 65, 371-83	12.5	57
225	Understanding the removal mechanisms of PPCPs and the influence of main technological parameters in anaerobic UASB and aerobic CAS reactors. *Journal of Hazardous Materials*, **2014**, 278, 506-13	12.8	178
224	Life Cycle Assessment of electricity production in Italy from anaerobic co-digestion of pig slurry and energy crops. *Renewable Energy*, **2014**, 68, 625-635	8.1	92
223	Vegetable oils as NAPLs in two phase partitioning bioreactors for the degradation of anthracene by laccase. *Chemical Engineering Journal*, **2014**, 240, 281-289	14.7	17
222	Solvent screening methodology for in situ ABE extractive fermentation. *Applied Microbiology and Biotechnology*, **2014**, 98, 5915-24	5.7	28
221	Feasibility of spent metalworking fluids as co-substrate for anaerobic co-digestion. *Bioresource Technology*, **2014**, 155, 281-8	11	14
220	Application of a three-compartment model as a tool to understand the partition of 17α-ethinylestradiol in mixed liquor systems. *Environmental Progress and Sustainable Energy*, **2013**, 32, 257-262	2.5	2
219	Fermentation of biologically pretreated wheat straw for ethanol production: comparison of fermentative microorganisms and process configurations. *Applied Biochemistry and Biotechnology*, **2013**, 170, 1838-52	3.2	14
218	Operational strategies for producing bioethanol in a continuous single-stage reactor. *Bioprocess and Biosystems Engineering*, **2013**, 36, 1929-37	3.7	5
217	Generalised modelling approach for anaerobic co-digestion of fermentable substrates. *Bioresource Technology*, **2013**, 147, 525-533	11	29
216	Relationship between phenol degradation efficiency and microbial community structure in an anaerobic SBR. *Water Research*, **2013**, 47, 6739-49	12.5	114
215	Enhanced performance of sulfate reducing bacteria based biocathode using stainless steel mesh on activated carbon fabric electrode. *Bioresource Technology*, **2013**, 150, 172-80	11	36
214	On the use of a high-redox potential laccase as an alternative for the transformation of non-steroidal anti-inflammatory drugs (NSAIDs). *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 97, 233-242		47
213	Bioencapsulated probiotics increased survival, growth and improved gut flora of turbot (Psetta maxima) larvae. *Aquaculture International*, **2013**, 21, 337-345	2.6	15
212	Enhanced saccharification of biologically pretreated wheat straw for ethanol production. *Applied Biochemistry and Biotechnology*, **2013**, 169, 1147-59	3.2	17
211	Optimisation of the biological pretreatment of wheat straw with white-rot fungi for ethanol production. *Bioprocess and Biosystems Engineering*, **2013**, 36, 1251-60	3.7	54

210	Improving the catalytic performance of laccase using a novel continuous-flow microreactor. *Chemical Engineering Journal*, **2013**, 223, 497-506	14.7	38
209	Biodegradation kinetic constants and sorption coefficients of micropollutants in membrane bioreactors. *Biodegradation*, **2013**, 24, 165-77	4.1	72
208	Activation of Kraft Lignin by an enzymatic treatment with a versatile peroxidase from Bjerkandera sp. R1. *Applied Biochemistry and Biotechnology*, **2013**, 169, 1262-78	3.2	7
207	Linking thermodynamics and kinetics to assess pathway reversibility in anaerobic bioprocesses. *Energy and Environmental Science*, **2013**, 6, 3780	35.4	84
206	Removal of estrogenic compounds from filtered secondary wastewater effluent in a continuous enzymatic membrane reactor. Identification of biotransformation products. *Environmental Science & Technology*, **2013**, 47, 4536-43	10.3	79
205	Application of response surface methodology to study the removal of estrogens in a laccase-mediated continuous membrane reactor. *Biocatalysis and Biotransformation*, **2013**, 31, 197-207	2.5	11
204	Removal of Pharmaceuticals by Membrane Bioreactor (MBR) Technology. *Comprehensive Analytical Chemistry*, **2013**, 287-317	1.9	7
203	Operation of stirred tank reactors (STRs) and fixed-bed reactors (FBRs) with free and immobilized Phanerochaete chrysosporium for the continuous removal of pharmaceutical compounds. *Biochemical Engineering Journal*, **2012**, 66, 38-45	4.2	43
202	Surfactant-assisted two phase partitioning bioreactors for laccase-catalyzed degradation of anthracene. *Process Biochemistry*, **2012**, 47, 1115-1121	4.8	23
201	Degradation of estrogens by laccase from Myceliophthora thermophila in fed-batch and enzymatic membrane reactors. *Journal of Hazardous Materials*, **2012**, 213-214, 175-83	12.8	67
200	Biotransformation of three pharmaceutical active compounds by the fungus Phanerochaete chrysosporium in a fed batch stirred reactor under air and oxygen supply. *Biodegradation*, **2012**, 23, 145-56	4.1	85
199	Use of White-Rot Fungi for Valorization of Stillage From Bioethanol Production. *Waste and Biomass Valorization*, **2012**, 3, 295-303	3.2	7
198	Continuous operation of a fluidized bed reactor for the removal of estrogens by immobilized laccase on Eupergit supports. *Journal of Biotechnology*, **2012**, 162, 404-6	3.7	37
197	Influence of nitrifying conditions on the biodegradation and sorption of emerging micropollutants. *Water Research*, **2012**, 46, 5434-44	12.5	188
196	Relationship between microbial activity and microbial community structure in six full-scale anaerobic digesters. *Microbiological Research*, **2012**, 167, 581-9	5.3	157
195	Enhanced methane production from pig manure anaerobic digestion using fish and biodiesel wastes as co-substrates. *Bioresource Technology*, **2012**, 123, 507-13	11	44
194	Immobilisation of laccase on Eupergit supports and its application for the removal of endocrine disrupting chemicals in a packed-bed reactor. *Biodegradation*, **2012**, 23, 373-86	4.1	81
193	Mass balance of pharmaceutical and personal care products in a pilot-scale single-sludge system: influence of T, SRT and recirculation ratio. *Chemosphere*, **2012**, 89, 164-71	8.4	76

192	Evaluation of natural zeolite as microorganism support medium in nitrifying batch reactors: influence of zeolite particle size. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2012**, 47, 420-7	2.3	13
191	Removal of persistent pharmaceutical micropollutants from sewage by addition of PAC in a sequential membrane bioreactor. *Water Research*, **2011**, 45, 5323-33	12.5	99
190	Oxidation of pharmaceutically active compounds by a ligninolytic fungal peroxidase. *Biodegradation*, **2011**, 22, 539-50	4.1	81
189	A new strain of Bjerkandera sp. production, purification and characterization of versatile peroxidase. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 115-122	4.4	21
188	Degradation of selected pharmaceutical and personal care products (PPCPs) by white-rot fungi. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 1839-1846	4.4	108
187	Biocatalytic generation of Mn(III)-chelate as a chemical oxidant of different environmental contaminants. *Biotechnology Progress*, **2011**, 27, 668-76	2.8	9
186	Immobilization of laccase by encapsulation in a sol-gel matrix and its characterization and use for the removal of estrogens. *Biotechnology Progress*, **2011**, 27, 1570-9	2.8	52
185	Combined cross-linked enzyme aggregates from versatile peroxidase and glucose oxidase: production, partial characterization and application for the elimination of endocrine disruptors. *Bioresource Technology*, **2011**, 102, 6593-9	11	98
184	Economic comparison of enzymatic reactors and advanced oxidation processes applied to the degradation of phenol as a model compound. *Biocatalysis and Biotransformation*, **2011**, 29, 344-353	2.5	11
183	Occurrence and fate of pharmaceutical and personal care products in a sewage treatment works. *Journal of Environmental Monitoring*, **2011**, 13, 137-44		14
182	Autopilot Abstraction and Standardization for Seamless Integration of Unmanned Aircraft System Applications. *Journal of Aerospace Computing, Information, and Communication*, **2011**, 8, 197-223		5
181	Comparison of PPCPs removal on a parallel-operated MBR and AS system and evaluation of effluent post-treatment on vertical flow reed beds. *Water Science and Technology*, **2011**, 63, 2411-7	2.2	42
180	Influence of the employment of adsorption and coprecipitation agents for the removal of PPCPs in conventional activated sludge (CAS) systems. *Water Science and Technology*, **2010**, 62, 728-35	2.2	25
179	Removal of pharmaceutical and personal care products (PPCPs) under nitrifying and denitrifying conditions. *Water Research*, **2010**, 44, 3214-24	12.5	355
178	Environmental assessment of anaerobically digested sludge reuse in agriculture: potential impacts of emerging micropollutants. *Water Research*, **2010**, 44, 3225-33	12.5	107
177	Study of mass transfer and biocatalyst stability for the enzymatic degradation of anthracene in a two-phase partitioning bioreactor. *Biochemical Engineering Journal*, **2010**, 51, 79-85	4.2	21
176	Laccase-catalyzed degradation of anti-inflammatories and estrogens. *Biochemical Engineering Journal*, **2010**, 51, 124-131	4.2	164
175	A methodology for optimising feed composition for anaerobic co-digestion of agro-industrial wastes. *Bioresource Technology*, **2010**, 101, 1153-8	11	205

174	The effect and fate of antibiotics during the anaerobic digestion of pig manure. *Bioresource Technology*, **2010**, 101, 8581-6	11	149
173	Fate and removal of pharmaceuticals and personal care products (PPCPs) in a conventional activated sludge treatment process **2010**,		7
172	Reactor Engineering **2010**, 245-290		3
171	Effect of culture temperature on the heterologous expression of Pleurotus eryngii versatile peroxidase in Aspergillus hosts. *Bioprocess and Biosystems Engineering*, **2009**, 32, 129-34	3.7	25
170	Influence of Different Pretreatments on Anaerobically Digested Sludge Characteristics: Suitability for Final Disposal. *Water, Air, and Soil Pollution*, **2009**, 199, 311-321	2.6	38
169	Pre-treatment of hospital wastewater by coagulation-flocculation and flotation. *Bioresource Technology*, **2009**, 100, 2138-46	11	212
168	Pilot-Scale Validation of a New Sensor for On-Line Analysis of Volatile Fatty Acids and Alkalinity in Anaerobic Wastewater Treatment Plants. *Environmental Engineering Science*, **2009**, 26, 641-649	2	24
167	Selection of variables for on-line monitoring, diagnosis, and control of anaerobic digestion processes. *Water Science and Technology*, **2009**, 60, 615-22	2.2	29
166	Energy-based models for environmental biotechnology. *Trends in Biotechnology*, **2008**, 26, 366-74	15.1	44
165	Study Cases of Enzymatic Processes **2008**, 253-378		3
164	Determination of the solid-water distribution coefficient (Kd) for pharmaceuticals, estrogens and musk fragrances in digested sludge. *Water Research*, **2008**, 42, 287-95	12.5	232
163	Comparison of predicted and measured concentrations of selected pharmaceuticals, fragrances and hormones in Spanish sewage. *Chemosphere*, **2008**, 72, 1118-23	8.4	142
162	Characterization of anaerobic granular sludge developed in UASB reactors that treat ethanol, carbohydrates and hydrolyzed protein based wastewaters. *Water Science and Technology*, **2008**, 57, 837-42	2.2	18
161	How are pharmaceutical and personal care products (PPCPs) removed from urban wastewaters?. *Reviews in Environmental Science and Biotechnology*, **2008**, 7, 125-138	13.9	313
160	Determination of the adequate minimum model complexity required in anaerobic bioprocesses using experimental data. *Journal of Chemical Technology and Biotechnology*, **2008**, 83, 1694-1702	3.5	11
159	Biofiltration of a methanol containing air stream in a dry tubular biofilm reactor using ceramic rings as carrier. *Environmental Progress*, **2008**, 27, 117-124		4
158	Enzymatic degradation of low soluble compounds in monophasic water: solvent reactors. Kinetics and modeling of anthracene degradation by MnP. *Biotechnology and Bioengineering*, **2008**, 100, 619-26	4.9	10
157	Evaluation of the enzyme manganese peroxidase in an industrial sequence for the lignin oxidation and bleaching of eucalyptus kraft pulp. *Journal of Applied Polymer Science*, **2008**, 109, 1319-1327	2.9	14

156	Fate of pharmaceuticals and cosmetic ingredients during the operation of a MBR treating sewage. *Desalination*, **2008**, 221, 511-517	10.3	133
155	Calculation methods to perform mass balances of micropollutants in sewage treatment plants. application to pharmaceutical and personal care products (PPCPs). *Environmental Science & Technology*, **2007**, 41, 884-90	10.3	80
154	Biodegradation of Pentachlorophenol in Soil Slurry Cultures by Bjerkandera adusta and Anthracophyllum discolor. *Industrial & Engineering Chemistry Research*, **2007**, 46, 6744-6751	3.9	40
153	Dynamic modeling of an enzymatic membrane reactor for the treatment of xenobiotic compounds. *Biotechnology and Bioengineering*, **2007**, 97, 1128-37	4.9	19
152	Is the presence of dicarboxylic acids required in the MnP cycle?. *Enzyme and Microbial Technology*, **2007**, 42, 70-75	3.8	10
151	Bioremediation of HCH present in soil by the white-rot fungus Bjerkandera adusta in a slurry batch bioreactor. *International Biodeterioration and Biodegradation*, **2007**, 60, 319-326	4.8	59
150	Evaluation of biodiesel as bioremediation agent for the treatment of the shore affected by the heavy oil spill of the Prestige. *Journal of Hazardous Materials*, **2007**, 147, 914-22	12.8	46
149	Biodegradation of dibenzothiophene, fluoranthene, pyrene and chrysene in a soil slurry reactor by the white-rot fungus Bjerkandera sp. BOS55. *Process Biochemistry*, **2007**, 42, 641-648	4.8	54
148	Strategies for the design and operation of enzymatic reactors for the degradation of highly and poorly soluble recalcitrant compounds. *Biocatalysis and Biotransformation*, **2007**, 25, 260-268	2.5	21
147	Enhanced Start-Up of Upflow Anaerobic Filters by Pulsation. *Journal of Environmental Engineering, ASCE*, **2007**, 133, 186-190	2	5
146	Characterization, management and treatment of wastewater from white wine production. *Water Science and Technology*, **2007**, 56, 121-8	2.2	16
145	Winery effluent treatment at an anaerobic hybrid USBF pilot plant under normal and abnormal operation. *Water Science and Technology*, **2007**, 56, 25-31	2.2	24
144	Selection of variables using factorial discriminant analysis for the state identification of an anaerobic UASB-UAF hybrid pilot plant, fed with winery effluents. *Water Science and Technology*, **2007**, 56, 139-45	2.2	24
143	Fate of pharmaceutical and personal care products (PPCPs) during anaerobic digestion of sewage sludge. *Water Research*, **2007**, 41, 2139-50	12.5	278
142	Operation of a two-phase partitioning bioreactor for the oxidation of anthracene by the enzyme manganese peroxidase. *Chemosphere*, **2007**, 66, 1744-51	8.4	27
141	Influence of ozone pre-treatment on sludge anaerobic digestion: removal of pharmaceutical and personal care products. *Chemosphere*, **2007**, 67, 1444-52	8.4	102
140	Fuzzy-Based Control of an Anaerobic Reactor Treating Wastewaters Containing Ethanol and Carbohydrates. *Industrial & Engineering Chemistry Research*, **2007**, 46, 6707-6715	3.9	28
139	Modeling product formation in anaerobic mixed culture fermentations. *Biotechnology and Bioengineering*, **2006**, 93, 592-606	4.9	171

138	Variable stoichiometry with thermodynamic control in ADM1. *Water Science and Technology*, **2006**, 54, 101-10	2.2	40
137	An anaerobic bioreactor allows the efficient degradation of HCH isomers in soil slurry. *Chemosphere* , **2006**, 63, 1005-13	8.4	24
136	Enzymatic degradation of anthracene, dibenzothiophene and pyrene by manganese peroxidase in media containing acetone. *Chemosphere*, **2006**, 64, 408-14	8.4	139
135	Granulation in high-load denitrifying upflow sludge bed (USB) pulsed reactors. *Water Research*, **2006**, 40, 871-80	12.5	82
134	A hydrogen-based variable-gain controller for anaerobic digestion processes. *Water Science and Technology*, **2006**, 54, 57-62	2.2	20
133	Comparison between the conventional anaerobic digestion of sewage sludge and its combination with a chemical or thermal pre-treatment concerning the removal of pharmaceuticals and personal care products. *Water Science and Technology*, **2006**, 53, 109-17	2.2	82
132	Biodegradation of polycyclic aromatic hydrocarbons in forest and salt marsh soils by white-rot fungi. *International Biodeterioration and Biodegradation*, **2006**, 58, 15-21	4.8	59
131	Trials of bioremediation on a beach affected by the heavy oil spill of the Prestige. *Journal of Hazardous Materials*, **2006**, 137, 1523-31	12.8	49
130	Electrochemical Treatment of a Polluted Sludge: Different Methods and Conditions for Manganese Removal. *Separation Science and Technology*, **2005**, 39, 3679-3689	2.5	17
129	Anaerobic degradation of hexachlorocyclohexane isomers in liquid and soil slurry systems. *Chemosphere*, **2005**, 61, 528-36	8.4	80
128	Anaerobic treatment of azo dye Acid Orange 7 under fed-batch and continuous conditions. *Water Research*, **2005**, 39, 771-8	12.5	98
127	Removal of cosmetic ingredients and pharmaceuticals in sewage primary treatment. *Water Research*, **2005**, 39, 4790-6	12.5	200
126	Anaerobic digestion process parameter identification and marginal confidence intervals by multivariate steady state analysis and bootstrap. *Computer Aided Chemical Engineering*, **2005**, 20, 1327-1332	0.6	3
125	Complete degradation of anthracene by Manganese Peroxidase in organic solvent mixtures. *Enzyme and Microbial Technology*, **2005**, 37, 365-372	3.8	58
124	Anaerobic treatment of azo dye Acid Orange 7 under batch conditions. *Enzyme and Microbial Technology*, **2005**, 36, 264-272	3.8	69
123	Effect of surfactants on the soil desorption of hexachlorocyclohexane (HCH) isomers and their anaerobic biodegradation. *Journal of Chemical Technology and Biotechnology*, **2005**, 80, 1005-1015	3.5	36
122	Dye decolorization by manganese peroxidase in an enzymatic membrane bioreactor. *Biotechnology Progress*, **2004**, 20, 74-81	2.8	64
121	Anaerobic and aerobic continuous cultures of Saccharomyces cerevisiae: comparison of plasmid stability and EXG1 gene expression. *Bioprocess and Biosystems Engineering*, **2004**, 26, 159-63	3.7	5

120	Effect of pH on the stability of Pleurotus eryngii versatile peroxidase during heterologous production in Emericella nidulans. *Bioprocess and Biosystems Engineering*, **2004**, 26, 287-93	3.7	25
119	Diagnosis of acidification states in an anaerobic wastewater treatment plant using a fuzzy-based expert system. *Control Engineering Practice*, **2004**, 12, 59-64	3.9	40
118	Mechanism of enzymatic degradation of the azo dye Orange II determined by ex situ 1H nuclear magnetic resonance and electrospray ionization-ion trap mass spectrometry. *Analytical Biochemistry*, **2004**, 335, 135-49	3.1	81
117	Role of exopolymeric protein on the settleability of nitrifying sludges. *Bioresource Technology*, **2004** , 94, 43-8	11	39
116	Behavior of pharmaceuticals, cosmetics and hormones in a sewage treatment plant. *Water Research* , **2004**, 38, 2918-26	12.5	1142
115	Combined System for Biological Removal of Nitrogen and Carbon from a Fish Cannery Wastewater. *Journal of Environmental Engineering, ASCE*, **2003**, 129, 826-833	2	11
114	Semipilot-scale bleaching of Kraft pulp with manganese peroxide. *Wood Science and Technology*, **2003**, 37, 117-123	2.5	19
113	Covalent immobilisation of manganese peroxidases (MnP) from Phanerochaete chrysosporium and Bjerkandera sp. BOS55. *Enzyme and Microbial Technology*, **2003**, 32, 769-775	3.8	37
112	Enzymic pre-treatment of Guevina avellana mol oil extraction by pressing. *Process Biochemistry*, **2003**, 39, 51-57	4.8	40
111	Iron removal from kaolin. Comparison between in situ and two-stage bioleaching processes. *Hydrometallurgy*, **2003**, 68, 97-105	4	42
110	Oxidative degradation of azo dyes by manganese peroxidase under optimized conditions. *Biotechnology Progress*, **2003**, 19, 325-31	2.8	81
109	Coupled BAS and anoxic USB system to remove urea and formaldehyde from wastewater. *Water Research*, **2003**, 37, 3445-51	12.5	34
108	Rule-based diagnosis and supervision of a pilot-scale wastewater treatment plant using fuzzy logic techniques. *Expert Systems With Applications*, **2002**, 22, 11-20	7.8	40
107	The effect of kaolin particles on the behavior of nitrifying activated sludge units. *Bioresource Technology*, **2002**, 81, 225-31	11	8
106	Evaluation of the environmental conditions for the continuous production of lignin peroxidase by Phanerochaete Chrysosporium in fixed-bed bioreactors. *Biotechnology Letters*, **2002**, 24, 791-794	3	5
105	Enzymatic membrane reactors for biodegradation of recalcitrant compounds. Application to dye decolourisation. *Journal of Biotechnology*, **2002**, 99, 249-57	3.7	81
104	Biodegradation of a polymeric dye in a pulsed bed bioreactor by immobilised phanerochaete chrysosporium. *Water Research*, **2002**, 36, 1896-901	12.5	56
103	Nitrification in saline wastewater with high ammonia concentration in an activated sludge unit. *Water Research*, **2002**, 36, 2555-60	12.5	124

102	An expert system for monitoring and diagnosis of anaerobic wastewater treatment plants. *Water Research*, **2002**, 36, 2656-66	12.5	33
101	Oxidation of lignin in eucalyptus kraft pulp by manganese peroxidase from Bjerkandera sp. strain BOS55. *Bioresource Technology*, **2001**, 78, 71-9	11	24
100	In vitro degradation of a polymeric dye (Poly R-478) by manganese peroxidase. *Biotechnology and Bioengineering*, **2001**, 75, 362-8	4.9	74
99	Population dynamics of a continuous fermentation of recombinant Saccharomyces cerevisiae using flow cytometry. *Biotechnology Progress*, **2001**, 17, 951-7	2.8	14
98	A packed-bed fungal bioreactor for the continuous decolourisation of azo-dyes (Orange II). *Journal of Biotechnology*, **2001**, 89, 99-106	3.7	83
97	Automatic Start-Up of UASB Reactors. *Journal of Environmental Engineering, ASCE*, **2001**, 127, 397-402	2	8
96	Antioxidant activity of extracts from Gevuina avellana and Rosa rubiginosa defatted seeds. *Food Research International*, **2001**, 34, 103-109	7	64
95	Simultaneous methanogenesis and denitrification of pretreated effluents from a fish canning industry. *Water Research*, **2001**, 35, 411-8	12.5	65
94	Simultaneous urea hydrolysis, formaldehyde removal and denitrification in a multifed upflow filter under anoxic and anaerobic conditions. *Water Research*, **2001**, 35, 691-8	12.5	41
93	Anaerobic treatment of fibreboard manufacturing wastewaters in a pilot scale hybrid usbf reactor. *Water Research*, **2001**, 35, 4150-8	12.5	25
92	Influence of the content in fats and proteins on the anaerobic biodegradability of dairy wastewaters. *Bioresource Technology*, **2000**, 74, 231-239	11	188
91	Simple methods for the determination of the denitrifying activity of sludges. *Bioresource Technology*, **2000**, 75, 1-6	11	16
90	Evaluation of different fungal strains in the decolourisation of synthetic dyes. *Biotechnology Letters* , **2000**, 22, 1499-1503	3	72
89	Enhancement of plasmid stability and enzymatic expression by immobilising recombinant Saccharomyces cerevisiae. *Biotechnology Letters*, **2000**, 22, 1247-1250	3	10
88	Manganese peroxidase production by Bjerkandera sp. BOS55. *Bioprocess and Biosystems Engineering*, **2000**, 23, 657-661	3.7	18
87	Manganese Peroxidase production by Bjerkandera sp. BOS55. *Bioprocess and Biosystems Engineering*, **2000**, 23, 663-667	3.7	13
86	Influence of C:N ratio on the start-up of up-flow anaerobic filter reactors. *Water Research*, **2000**, 34, 2614-2619	12.5	62
85	Evaluation of extracts from Gevuina avellana hulls as antioxidants. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 3890-7	5.7	144

84	Different fungal manganese-oxidizing peroxidases: a comparison between Bjerkandera sp. and Phanerochaete chrysosporium. *Journal of Biotechnology*, **2000**, 77, 235-45	3.7	75
83	Biodegradation of formaldehyde under anaerobic conditions. *Enzyme and Microbial Technology*, **1999**, 24, 255-262	3.8	29
82	Nitrification at high ammonia loading rates in an activated sludge unit. *Bioresource Technology*, **1999**, 68, 141-148	11	71
81	Characterization and comparison of biomasses from single- and multi-fed upflow anaerobic filters. *Bioresource Technology*, **1999**, 68, 293-300	11	17
80	Continuous anaerobic treatment of wastewaters containing formaldehyde and urea. *Bioresource Technology*, **1999**, 70, 283-291	11	40
79	Use of cheese whey as a substrate to produce manganese peroxidase by Bjerkandera sp BOS55. *Journal of Industrial Microbiology and Biotechnology*, **1999**, 23, 86-90	4.2	26
78	Anaerobic treatment of wastewater from a fish-canning factory in a full-scale upflow anaerobic sludge blanket (UASB) reactor. *Water Science and Technology*, **1999**, 40, 57	2.2	7
77	Use of a fungal bioreactor as a pretreatment or post-treatment step for continuous decolorisation of dyes. *Water Science and Technology*, **1999**, 40, 131	2.2	19
76	Advanced monitoring of an anaerobic pilot plant treating high strength wastewaters. *Water Science and Technology*, **1999**, 40, 237	2.2	4
75	Manganese Removal from Spiked Kaolinitic Soil and Sludge by Electromigration. *Separation Science and Technology*, **1999**, 34, 3227-3241	2.5	32
74	Anaerobic hydrolysis and acidogenesis of wastewaters from food industries with high content of organic solids and protein. *Water Research*, **1999**, 33, 3281-3290	12.5	117
73	Review: Anaerobic treatment of municipal sanitary landfill leachates: the problem of refractory and toxic components. *World Journal of Microbiology and Biotechnology*, **1998**, 14, 309-320	4.4	42
72	Microstructural features of enzymatically treated oilseeds **1998**, 78, 491-497		16
71	Protein recovery during the overall treatment of wastewaters from fish-meal factories. *Bioresource Technology*, **1998**, 63, 221-229	11	47
70	Optimization of the enzymatic treatment during aqueous oil extraction from sunflower seeds. *Food Chemistry*, **1998**, 61, 467-474	8.5	49
69	Nitrous oxide production under toxic conditions in a denitrifying anoxic filter. *Water Research*, **1998** , 32, 2550-2552	12.5	15
68	Strategies for the continuous production of ligninolytic enzymes in fixed and fluidised bed bioreactors. *Journal of Biotechnology*, **1998**, 66, 27-39	3.7	42
67	Multi-Fed Upflow Anaerobic Filter: Development and Features. *Journal of Environmental Engineering, ASCE*, **1998**, 124, 1188-1192	2	5

66	Plasmid stability in recombinant Saccharomyces cerevisiae expressing the EXG1 gene in free and immobilized cultures. *Progress in Biotechnology*, **1998**, 15, 611-618		
65	Oxalic acid production by. *Bioprocess and Biosystems Engineering*, **1998**, 19, 247		21
64	Oxalic acid production by. *Bioprocess and Biosystems Engineering*, **1998**, 19, 337		4
63	Biobleaching of oxygen delignified kraft pulp by several white rot fungal strains. *Journal of Biotechnology*, **1997**, 53, 237-251	3.7	69
62	Methanogenic degradation of p-cresol in batch and in continuous UASB reactors. *Water Research*, **1997**, 31, 1549-1554	12.5	26
61	Anaerobic biodegradability and toxicity of wastewaters from chlorine and total chlorine-free bleaching of eucalyptus kraft pulps. *Water Research*, **1997**, 31, 2487-2494	12.5	33
60	Nitrous oxide production by nitrifying biofilms in a biofilm airlift suspension reactor. *Water Science and Technology*, **1997**, 36, 157	2.2	7
59	Enhanced catalytic properties of MnP by exogenous addition of manganese and hydrogen peroxide. *Biotechnology Letters*, **1997**, 19, 263-268	3	9
58	Inhibition of cellulase activity by sun_ower polyphenols. *Biotechnology Letters*, **1997**, 19, 521-524	3	21
57	Treatment of saline wastewaters from fish meal factories in an anaerobic filter under extreme ammonia concentrations. *Bioresource Technology*, **1997**, 61, 69-78	11	53
56	Decolorization of ion-exchange effluents derived from sugar-mill operations by Bjerkandera sp.BOS55. *International Biodeterioration and Biodegradation*, **1997**, 40, 125-129	4.8	4
55	Leaching of kaolin iron-oxides with organic acids. *Journal of Chemical Technology and Biotechnology*, **1997**, 70, 349-354	3.5	15
54	Acute toxicity of hardboard mill effluents to different bioindicators **1997**, 12, 39-42		4
53	Continuous production of manganese peroxidase by Phanerochaete chrysosporium immobilized on polyurethane foam in a pulsed packed-bed bioreactor. *Biotechnology and Bioengineering*, **1997**, 56, 130-7	4.9	23
52	Effect of pulsation on morphology of Aspergillus niger and Phanerochaete chrysosporium in a fluidized-bed reactor. *Progress in Biotechnology*, **1996**, 518-523		1
51	Continuous fermentation by conventional and recombinant Saccharomyces cerevisiae immobilized in Ca-alginate beads hardened with trivalent ion. *Progress in Biotechnology*, **1996**, 173-180		1
50	The influence of substrate structure on the kinetics of the hydrolysis of starch by glucoamylase. *Applied Biochemistry and Biotechnology*, **1996**, 59, 329-336	3.2	24
49	Ethanolic fermentation by immobilized Saccharomyces cerevisiae in a semipilot pulsing packed-bed bioreactor. *Enzyme and Microbial Technology*, **1996**, 19, 132-139	3.8	20

48	Control of pellet morphology of filamentous fungi in fluidized bed bioreactors by means of a pulsing flow. Application to Aspergillus niger and Phanerochaete chrysosporium. *Enzyme and Microbial Technology*, **1996**, 19, 261-6	3.8	43
47	Immobilization of Aspergillus niger and Phanerochaete chrysosporium on polyurethane foam.. *Progress in Biotechnology*, **1996**, 132-135		3
46	Leaching of iron from kaolins by a spent fermentation liquor: Influence of temperature, pH, agitation and citric acid concentration. *Journal of Industrial Microbiology*, **1995**, 14, 288-292		14
45	Production of Manganese Peroxidase by free pellets ofPhanerochaete chrysosporium in an Expanded-Bed Bioreactor. *Biotechnology Letters*, **1995**, 9, 371-376		7
44	Degradation of high molecular weight compounds of Kraft pulp mill effluents by a combined treatment with fungi and bacteria. *Biotechnology Letters*, **1995**, 17, 1261-1266	3	19
43	Determination of inhibitory effects in fermentation processes by microcalorimetric techniques. *Biotechnology Letters*, **1995**, 9, 231-236		1
42	Continuous ethanolic fermentation by Saccharomyces cerevisiae immobilised in Ca-alginate beads hardened with Al3+. *Biotechnology Letters*, **1995**, 9, 815-820		6
41	Hydraulic model of a gas-lift bioreactor with flocculating yeast. *Bioprocess and Biosystems Engineering*, **1995**, 12, 269-272		8
40	Enzyme-assisted hexane extraction of soya bean oil. *Food Chemistry*, **1995**, 54, 223-231	8.5	64
39	Aqueous processing of sunflower kernels with enzymatic technology. *Food Chemistry*, **1995**, 53, 427-434	8.5	48
38	Sodium inhibition in the anaerobic digestion process: Antagonism and adaptation phenomena. *Enzyme and Microbial Technology*, **1995**, 17, 180-188	3.8	191
37	Hydrolysis of microcrystalline cellulose by cellulolytic complex of Trichoderma reesei in low-moisture media. *Enzyme and Microbial Technology*, **1995**, 17, 809-815	3.8	8
36	Anaerobic Treatment of Eucalyptus Fiberboard Manufacturing Wastewater by a Hybrid USBF Lab-Scale Reactor. *Environmental Technology (United Kingdom)*, **1995**, 16, 677-684	2.6	24
35	Treatment of seafood-processing wastewaters in mesophilic and thermophilic anaerobic filters. *Water Environment Research*, **1995**, 67, 33-45	2.8	48
34	Enzymatic treatment of sunflower kernels before oil extraction. *Food Research International*, **1995**, 28, 537-545	7	23
33	Degradation of volatile fatty acids by differently enriched methanogenic cultures: Kinetics and inhibition. *Water Research*, **1995**, 29, 505-509	12.5	86
32	Effect of addition of extracellular culture fluid on ligninolytic enzyme formation in Phanerochaete chrysosporium. *Journal of Biotechnology*, **1995**, 40, 21-29	3.7	11
31	Production of lignin peroxidase by Phanerochaete chrysosporium in a packed bed bioreactor operated in semi-continuous mode. *Journal of Biotechnology*, **1995**, 42, 247-253	3.7	29

30	Characterization of biomass from a pilot plant digester treating saline wastewater. *Journal of Chemical Technology and Biotechnology*, **1995**, 63, 384-392	3.5	21
29	Anaerobic treatment of saline wastewaters under high sulphide and ammonia content. *Bioresource Technology*, **1995**, 54, 269-278	11	108
28	Enzymatic saccharification of alkali-treated sunflower hulls. *Bioresource Technology*, **1994**, 49, 53-59	11	52
27	Simultaneous biodegradation of p-cresol and phenol by the basidiomycete Phanerochaete chrysosporium. *Journal of Industrial Microbiology*, **1994**, 13, 311-4		26
26	Production of lignin peroxidase fromPhanerochaete chrysosporium in a packed bed bioreactor with recycling. *Biotechnology Letters*, **1994**, 8, 363-368		8
25	A double-feed anaerobic filter for the treatment of high strength wastewaters. *Biotechnology Letters*, **1994**, 8, 77-82		7
24	A simple flow meter for bioreactors applicable to oscillating feed systems. *Biotechnology Letters*, **1994**, 8, 793-796		2
23	A comparison of two techniques (adsorption and entrapment) for the immobilization of Aspergillus niger in polyurethane foam. *Biotechnology Letters*, **1994**, 8, 389-394		28
22	A pulsing device for packed-bed bioreactors: I. Hydrodynamic behaviour. *Bioprocess and Biosystems Engineering*, **1994**, 10, 61-73		18
21	A pulsing device for packed-bed bioreactors: II. Application to alcoholic fermentation. *Bioprocess and Biosystems Engineering*, **1994**, 10, 75-81		18
20	Degradation of major compounds of creosotes (PAH and phenols) byPhanerochaete chrysosporium. *Biotechnology Letters*, **1994**, 16, 759-764	3	22
19	Enzymatic pretreatment to enhance oil extraction from fruits and oilseeds: a review. *Food Chemistry*, **1994**, 49, 271-286	8.5	144
18	Alcoholic fermentation of xylose by immobilized Pichia stipitis in a fixed-bed pulsed bioreactor. *Enzyme and Microbial Technology*, **1994**, 16, 72-78	3.8	20
17	Product inhibition of fermentation of xylose to ethanol by free and immobilized Pichia stipitis. *Enzyme and Microbial Technology*, **1994**, 16, 622-626	3.8	9
16	Oil extractability from enzymatically treated soybean and sunflower: range of operational variables. *Food Chemistry*, **1993**, 46, 277-284	8.5	37
15	Methanogenic and non-methanogenic activity tests. Theoretical basis and experimental set up. *Water Research*, **1993**, 27, 1361-1376	12.5	219
14	Mass transfer control of enzymatic hydrolysis of polysaccharides by glucoamylase. *Enzyme and Microbial Technology*, **1991**, 13, 142-147	3.8	21
13	Enzymatic hydrolysis of starch in a fixed-bed pulsed-flow reactor. *Applied Biochemistry and Biotechnology*, **1991**, 28-29, 527-538	3.2	12

12	Continuous fermentation of d-xylose by immobilizedpichia stipitis comparison between cstr and cpfr. *Applied Biochemistry and Biotechnology*, **1991**, 28-29, 731-739	3.2	10
11	Biodegradability and toxicity in the anaerobic treatment of fish canning wastewaters. *Environmental Technology (United Kingdom)*, **1991**, 12, 669-677	2.6	43
10	Kinetic modelling of isomerization and anaerobic degradation of n- and i-butyrate. *Journal of Bioscience and Bioengineering*, **1990**, 69, 261-264		17
9	The ethanol tolerance of pichia stipitis Y-7124 studied by microcalorimetry. *Thermochimica Acta*, **1990**, 172, 163-169	2.9	5
8	Optimization of the hardening treatment of S. cerevisiae bioparticles. *Enzyme and Microbial Technology*, **1990**, 12, 749-54	3.8	17
7	A new device for measurement and control of gas production by bench scale anaerobic digesters. *Water Research*, **1990**, 24, 1551-1554	12.5	45
6	The D-xylose fermenting capacities of immobilizedPichia stipitis andPachysolen tannophilus. *Biotechnology Letters*, **1989**, 11, 353-358	3	3
5	Semi-micro C.O.D. determination method for high-salinity wastewater. *Environmental Technology Letters*, **1989**, 10, 541-548		56
4	Anaerobic treatment of landfill leachates: Kinetics and stoichiometry. *Environmental Technology Letters*, **1987**, 8, 555-564		14
3	Dynamic simulation of an air□water wetted wall column: Comparison of experimental and numerical results. *Computers and Chemical Engineering*, **1987**, 11, 311-317	4	
2	Cell immobilization: Application to alcohol production. *Enzyme and Microbial Technology*, **1987**, 9, 642-65	3.8	48
1	The fate of SARS-CoV-2 in WWTPs points out the sludge line as a suitable spot for monitoring		32