Gumersindo Feijoo

List of Publications by Year
in descending order

312 papers	13,492 citations	15504 65 h-index	39675 94 g-index
319 all docs	319 docs citations	319 times ranked	11296 citing authors

#	Article	IF	Citations
1	Screening for ligninolytic fungi applicable to the biodegradation of xenobiotics. Trends in Biotechnology, 1993, 11, 44-49.	9.3	304
2	Environmental and economic profile of six typologies of wastewater treatment plants. Water Research, 2011, 45, 5997-6010.	11.3	255
3	Sodium inhibition in the anaerobic digestion process: Antagonism and adaptation phenomena. Enzyme and Microbial Technology, 1995, 17, 180-188.	3.2	221
4	Eco-efficiency analysis of Spanish WWTPs using the LCAÂ+ÂDEA method. Water Research, 2015, 68, 651-666.	11.3	190
5	Laccase-catalyzed degradation of anti-inflammatories and estrogens. Biochemical Engineering Journal, 2010, 51, 124-131.	3.6	185
6	Environmental Evaluation of Different Treatment Processes for Sludge from Urban Wastewater Treatments: Anaerobic Digestion versus Thermal Processes (10 pp). International Journal of Life Cycle Assessment, 2005, 10, 336-345.	4.7	183
7	Joint life cycle assessment and data envelopment analysis of grape production for vinification in the RÃas Baixas appellation (NW Spain). Journal of Cleaner Production, 2012, 27, 92-102.	9.3	172
8	Life cycle assessment of the production of the red antioxidant carotenoid astaxanthin by microalgae: from lab to pilot scale. Journal of Cleaner Production, 2014, 64, 332-344.	9.3	169
9	Simplified life cycle assessment of galician milk production. International Dairy Journal, 2003, 13, 783-796.	3.0	167
10	Enzymatic degradation of anthracene, dibenzothiophene and pyrene by manganese peroxidase in media containing acetone. Chemosphere, 2006, 64, 408-414.	8.2	154
11	Benchmarking environmental and operational parameters through eco-efficiency criteria for dairy farms. Science of the Total Environment, 2011, 409, 1786-1798.	8.0	154
12	Comparative life cycle assessment in the wine sector: biodynamic vs. conventional viticulture activities in NW Spain. Journal of Cleaner Production, 2014, 65, 330-341.	9.3	144
13	The link between operational efficiency and environmental impacts. Science of the Total Environment, 2009, 407, 1744-1754.	8.0	143
14	Carbon footprint and nutritional quality of different human dietary choices. Science of the Total Environment, 2018, 644, 77-94.	8.0	140
15	Environmental performance of wastewater treatment plants for small populations. Resources, Conservation and Recycling, 2008, 52, 931-940.	10.8	138
16	Degradation of selected pharmaceutical and personal care products (PPCPs) by white-rot fungi. World Journal of Microbiology and Biotechnology, 2011, 27, 1839-1846.	3.6	136
17	Environmental assessment of anaerobically digested sludge reuse in agriculture: Potential impacts of emerging micropollutants. Water Research, 2010, 44, 3225-3233.	11.3	121
18	Environmental performance of a municipal wastewater treatment plant. International Journal of Life Cycle Assessment, 2004, 9, 261.	4.7	116

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19	Life Cycle Inventory of Particleboard: A Case Study in the Wood Sector (8 pp). International Journal of Life Cycle Assessment, 2006, 11, 106-113.	4.7	114
20	Life Cycle Assessment of electricity production in Italy from anaerobic co-digestion of pig slurry and energy crops. Renewable Energy, 2014, 68, 625-635.	8.9	109
21	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, 6593-6599.	9.6	106
22	Removal of Estrogenic Compounds from Filtered Secondary Wastewater Effluent in a Continuous Enzymatic Membrane Reactor. Identification of Biotransformation Products. Environmental Science & Technology, 2013, 47, 4536-4543.	10.0	105
23	Further potentials in the joint implementation of life cycle assessment and data envelopment analysis. Science of the Total Environment, 2010, 408, 5265-5272.	8.0	103
24	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, 145-156.	3.0	103
25	Environmental assessment of canned tuna manufacture with a life-cycle perspective. Resources, Conservation and Recycling, 2006, 47, 56-72.	10.8	102
26	Environmental analysis of Ribeiro wine from a timeline perspective: Harvest year matters when reporting environmental impacts. Journal of Environmental Management, 2012, 98, 73-83.	7.8	100
27	The prospective use of biochar as adsorption matrix â€“ A review from a lifecycle perspective. Bioresource Technology, 2017, 246, 135-141.	9.6	98
28	Oxidation of pharmaceutically active compounds by a ligninolytic fungal peroxidase. Biodegradation, 2011, 22, 539-550.	3.0	97
29	Benchmarking wastewater treatment plants under an eco-efficiency perspective. Science of the Total Environment, 2016, 566-567, 468-479.	8.0	97
30	Life cycle assessment of raw materials for non-wood pulp mills: Hemp and flax. Resources, Conservation and Recycling, 2010, 54, 923-930.	10.8	96
31	A packed-bed fungal bioreactor for the continuous decolourisation of azo-dyes (Orange II). Journal of Biotechnology, 2001, 89, 99-106.	3.8	95
32	Life Cycle Assessment of broiler chicken production: a Portuguese case study. Journal of Cleaner Production, 2014, 74, 125-134.	9.3	93
33	Anaerobic degradation of hexachlorocyclohexane isomers in liquid and soil slurry systems. Chemosphere, 2005, 61, 528-536.	8.2	92
34	Sustainable production of biologically active molecules of marine based origin. New Biotechnology, 2013, 30, 839-850.	4.4	92
35	Life cycle assessment of horse mackerel fisheries in Galicia (NW Spain): Comparative analysis of two major fishing methods. Fisheries Research, 2010, 106, 517-527.	1.7	91
36	Enzymatic membrane reactors for biodegradation of recalcitrant compounds. Application to dye decolourisation. Journal of Biotechnology, 2002, 99, 249-257.	3.8	90

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37	Oxidative Degradation of Azo Dyes by Manganese Peroxidase under Optimized Conditions. Biotechnology Progress, 2003, 19, 325-331.	2.6	90
38	Comparative environmental performance of lignocellulosic ethanol from different feedstocks. Renewable and Sustainable Energy Reviews, 2010, 14, 2077-2085.	16.4	90
39	Evaluation of different fungal strains in the decolourisation of synthetic dyes. Biotechnology Letters, 2000, 22, 1499-1503.	2.2	89
40	Immobilisation of laccase on Eupergit supports and its application for the removal of endocrine disrupting chemicals in a packed-bed reactor. Biodegradation, 2012, 23, 373-386.	3.0	89
41	Environmental impacts of forest production and supply of pulpwood: Spanish and Swedish case studies. International Journal of Life Cycle Assessment, 2009, 14, 340-353.	4.7	88
42	Beyond the conventional life cycle inventory in wastewater treatment plants. Science of the Total Environment, 2016, 553, 71-82.	8.0	85
43	Life cycle assessment of wood wastes: A case study of ephemeral architecture. Science of the Total Environment, 2006, 357, 1-11.	8.0	84
44	Environmental performance assessment of hardboard manufacture. International Journal of Life Cycle Assessment, 2009, 14, 456-466.	4.7	82
45	A comparison of municipal wastewater treatment plants for big centres of population in Galicia (Spain). International Journal of Life Cycle Assessment, 2008, 13, 57-64.	4.7	81
46	Environmental assessment of green hardboard production coupled with a laccase activated system. Journal of Cleaner Production, 2011, 19, 445-453.	9.3	81
47	Comparative life cycle assessment of ethanol production from fast-growing wood crops (black) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.7	80
48	In vitro degradation of a polymeric dye (Poly Râ€478) by manganese peroxidase. Biotechnology and Bioengineering, 2001, 75, 362-368.	3.3	79
49	Environmental profile of ethanol from poplar biomass as transport fuel in Southern Europe. Renewable Energy, 2010, 35, 1014-1023.	8.9	79
50	Comparative life cycle assessment of real pilot reactors for microalgae cultivation in different seasons. Applied Energy, 2017, 205, 1151-1164.	10.1	79
51	Life cycle assessment of nutrient removal technologies for the treatment of anaerobic digestion supernatant and its integration in a wastewater treatment plant. Science of the Total Environment, 2014, 490, 871-879.	8.0	78
52	Environmental impact assessment of total chlorine free pulp from Eucalyptus globulus in Spain. Journal of Cleaner Production, 2009, 17, 1010-1016.	9.3	77
53	Environmental impact efficiency in mussel cultivation. Resources, Conservation and Recycling, 2010, 54, 1269-1277.	10.8	77
54	Degradation of estrogens by laccase from Myceliophthora thermophila in fed-batch and enzymatic membrane reactors. Journal of Hazardous Materials, 2012, 213-214, 175-183.	12.4	77

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55	Environmental Life Cycle Assessment of a Galician cheese: San Simon da Costa. Journal of Cleaner Production, 2013, 52, 253-262.	9.3	77
56	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.	3.9	76
57	Assessing the sustainability of Spanish cities considering environmental and socio-economic indicators. Journal of Cleaner Production, 2018, 178, 599-610.	9.3	76
58	Dye Decolorization by Manganese Peroxidase in an Enzymatic Membrane Bioreactor. Biotechnology Progress, 2008, 20, 74-81.	2.6	74
59	Biobleaching of oxygen delignified kraft pulp by several white rot fungal strains. Journal of Biotechnology, 1997, 53, 237-251.	3.8	72
60	Carbon footprint of canned mussels from a business-to-consumer approach. A starting point for mussel processors and policy makers. Environmental Science and Policy, 2010, 13, 509-521.	4.9	72
61	Estimation of the carbon footprint of the Galician fishing activity (NW Spain). Science of the Total Environment, 2010, 408, 5284-5294.	8.0	71
62	Revisiting the Life Cycle Assessment of mussels from a sectorial perspective. Journal of Cleaner Production, 2010, 18, 101-111.	9.3	70
63	Biodegradation of polycyclic aromatic hydrocarbons in forest and salt marsh soils by white-rot fungi. International Biodeterioration and Biodegradation, 2006, 58, 15-21.	3.9	69
64	Life cycle inventory of medium density fibreboard. International Journal of Life Cycle Assessment, 2007, 12, 143-150.	4.7	69
65	Multiple-objective evaluation of wastewater treatment plant control alternatives. Journal of Environmental Management, 2010, 91, 1193-1201.	7.8	67
66	A methodology to estimate greenhouse gases emissions in Life Cycle Inventories of wastewater treatment plants. Environmental Impact Assessment Review, 2012, 37, 37-46.	9.2	67
67	Life Cycle Assessment of fresh and canned mussel processing and consumption in Galicia (NW Spain). Resources, Conservation and Recycling, 2010, 55, 106-117.	10.8	66
68	Best practices in life cycle assessment implementation in fisheries. Improving and broadening environmental assessment for seafood production systems. Trends in Food Science and Technology, 2012, 28, 116-131.	15.1	66
69	Selection of odour removal technologies in wastewater treatment plants: A guideline based on Life Cycle Assessment. Journal of Environmental Management, 2015, 149, 77-84.	7.8	65
70	Cradle-to-gate Life Cycle Assessment of bio-adhesives for the wood panel industry. A comparison with petrochemical alternatives. Science of the Total Environment, 2020, 738, 140357.	8.0	64
71	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.	3.7	63
72	Biodegradation of a polymeric dye in a pulsed bed bioreactor by immobilised Phanerochaete chrysosporium. Water Research, 2002, 36, 1896-1901.	11.3	61

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73	Complete degradation of anthracene by Manganese Peroxidase in organic solvent mixtures. Enzyme and Microbial Technology, 2005, 37, 365-372.	3.2	61
74	Life Cycle Assessment of fresh hake fillets captured by the Galician fleet in the Northern Stock. Fisheries Research, 2011, 110, 128-135.	1.7	61
75	Towards an environmentally sustainable and healthy Atlantic dietary pattern: Life cycle carbon footprint and nutritional quality. Science of the Total Environment, 2019, 646, 704-715.	8.0	61
76	Life Cycle Assessment as a Tool for the Environmental Improvement of the Tannery Industry in Developing Countries. Environmental Science & Technology, 2004, 38, 1901-1909.	10.0	60
77	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.	3.6	60
78	Exploring the potential of antioxidants from fruits and vegetables and strategies for their recovery. Innovative Food Science and Emerging Technologies, 2022, 77, 102974.	5.6	60
79	Life cycle assessment of flax shives derived second generation ethanol fueled automobiles in Spain. Renewable and Sustainable Energy Reviews, 2009, 13, 1922-1933.	16.4	59
80	Immobilization of laccase by encapsulation in a solâ€“gel matrix and its characterization and use for the removal of estrogens. Biotechnology Progress, 2011, 27, 1570-1579.	2.6	59
81	Life cycle assessment of hemp hurds use in second generation ethanol production. Biomass and Bioenergy, 2012, 36, 268-279.	5.7	59
82	Life cycle assessment of fish and seafood processed products â€“ A review of methodologies and new challenges. Science of the Total Environment, 2021, 761, 144094.	8.0	58
83	Assuring the sustainable production of biogas from anaerobic mono-digestion. Journal of Cleaner Production, 2014, 72, 23-34.	9.3	57
84	Life cycle assessment of the production of bioactive compounds fromÂTetraselmis suecica at pilot scale. Journal of Cleaner Production, 2014, 64, 323-331.	9.3	57
85	Strategies for the continuous production of ligninolytic enzymes in fixed and fluidised bed bioreactors. Journal of Biotechnology, 1998, 66, 27-39.	3.8	55
86	Environmental Life Cycle Assessment of a Swedish Dissolving Pulp Mill Integrated Biorefinery. Journal of Industrial Ecology, 2011, 15, 568-583.	5.5	55
87	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, 914-922.	12.4	54
88	Decolorization of ion-exchange effluents derived from sugar-mill operations by Bjerkandera sp.BOS55. International Biodeterioration and Biodegradation, 1997, 40, 125-129.	3.9	53
89	Development of regional characterization factors for aquatic eutrophication. International Journal of Life Cycle Assessment, 2010, 15, 32-43.	4.7	53
90	PPCPs in wastewater â€“ Update and calculation of characterization factors for their inclusion in LCA studies. Journal of Cleaner Production, 2014, 83, 245-255.	9.3	53

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91	Embedding environmental, economic and social indicators in the evaluation of the sustainability of the municipalities of Galicia (northwest of Spain). Journal of Cleaner Production, 2019, 234, 27-42.	9.3	53
92	Assessing the global warming potential of wooden products from the furniture sector to improve their ecodesign. Science of the Total Environment, 2011, 410-411, 16-25.	8.0	52
93	Are all membrane reactors equal from an environmental point of view?. Desalination, 2012, 285, 263-270.	8.2	52
94	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.	1.8	52
95	Comparative environmental assessment of valorization strategies of the invasive macroalgae Sargassum muticum. Bioresource Technology, 2014, 161, 137-148.	9.6	52
96	Environmental performance of lignocellulosic bioethanol production from Alfalfa stems. Biofuels, Bioproducts and Biorefining, 2010, 4, 118-131.	3.7	51
97	Implementing by-product management into the Life Cycle Assessment of the mussel sector. Resources, Conservation and Recycling, 2010, 54, 1219-1230.	10.8	51
98	Combined application of LCA and eco-design for the sustainable production of wood boxes for wine bottles storage. International Journal of Life Cycle Assessment, 2011, 16, 224-237.	4.7	51
99	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, 261-266.	3.2	49
100	Biodegradation of Pentachlorophenol in Soil Slurry Cultures byBjerkandera adustaandAnthracophyllumdiscolor. Industrial & Engineering Chemistry Research, 2007, 46, 6744-6751.	3.7	49
101	Environmental aspects of ethanol-based fuels from Brassica carinata: A case study of second generation ethanol. Renewable and Sustainable Energy Reviews, 2009, 13, 2613-2620.	16.4	47
102	Computation of Operational and Environmental Benchmarks Within Selected Galician Fishing Fleets. Journal of Industrial Ecology, 2011, 15, 776-795.	5.5	47
103	Enzymatic technologies for remediation of hydrophobic organic pollutants in soil. Applied Microbiology and Biotechnology, 2015, 99, 8815-8829.	3.6	47
104	Comparative life cycle assessment of different synthesis routes of magnetic nanoparticles. Journal of Cleaner Production, 2017, 143, 528-538.	9.3	47
105	Environmental assessment of frozen common octopus (Octopus vulgaris) captured by Spanish fishing vessels in the Mauritanian EEZ. Marine Policy, 2012, 36, 180-188.	3.2	46
106	Carbon footprint of a multi-ingredient seafood product from a business-to-business perspective. Journal of Cleaner Production, 2013, 44, 200-210.	9.3	45
107	Improving the catalytic performance of laccase using a novel continuous-flow microreactor. Chemical Engineering Journal, 2013, 223, 497-506.	12.7	45
108	Life cycle assessment of European pilchard (Sardina pilchardus) consumption. A case study for Galicia (NW Spain). Science of the Total Environment, 2014, 475, 48-60.	8.0	45

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109	Assessing the use of nanoimmobilized laccases to remove micropollutants from wastewater. Environmental Science and Pollution Research, 2016, 23, 3217-3228.	5.3	45
110	Addressing challenges and opportunities of the European seafood sector under a circular economy framework. Current Opinion in Environmental Science and Health, 2020, 13, 101-106.	4.1	45
111	Environmental assessment of farm-scaled anaerobic co-digestion for bioenergy production. Waste Management, 2015, 41, 50-59.	7.4	44
112	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.	3.2	43
113	Environmental impact assessment of non-wood based pulp production by soda-anthraquinone pulping process. Journal of Cleaner Production, 2010, 18, 137-145.	9.3	42
114	Continuous operation of a fluidized bed reactor for the removal of estrogens by immobilized laccase on Eupergit supports. Journal of Biotechnology, 2012, 162, 404-406.	3.8	42
115	Eco-innovation of a wooden childhood furniture set: An example of environmental solutions in the wood sector. Science of the Total Environment, 2012, 426, 318-326.	8.0	42
116	Environmental performance of biomass refining into high-added value compounds. Journal of Cleaner Production, 2016, 120, 170-180.	9.3	42
117	Evaluation of forest operations in Spanish eucalypt plantations under a life cycle assessment perspective. Scandinavian Journal of Forest Research, 2009, 24, 160-172.	1.4	41
118	Integrating Urban Metabolism, Material Flow Analysis and Life Cycle Assessment in the environmental evaluation of Santiago de Compostela. Sustainable Cities and Society, 2018, 40, 569-580.	10.4	41
119	Dynamic environmental efficiency assessment for wastewater treatment plants. International Journal of Life Cycle Assessment, 2018, 23, 357-367.	4.7	41
120	BECCS based on bioethanol from wood residues: Potential towards a carbon-negative transport and side-effects. Applied Energy, 2020, 279, 115884.	10.1	41
121	Integrating uncertainties to the combined environmental and economic assessment of algal biorefineries: A Monte Carlo approach. Science of the Total Environment, 2018, 626, 762-775.	8.0	40
122	Role of Organic Acids in the Manganese-Independent Biobleaching System of Bjerkandera sp. Strain BOS55. Applied and Environmental Microbiology, 1998, 64, 2409-2417.	3.1	38
123	Covalent immobilisation of manganese peroxidases (MnP) from Phanerochaete chrysosporium and Bjerkandera sp. BOS55. Enzyme and Microbial Technology, 2003, 32, 769-775.	3.2	38
124	Life cycle inventory analysis of granite production from cradle to gate. International Journal of Life Cycle Assessment, 2014, 19, 153-165.	4.7	38
125	Linking environmental sustainability and nutritional quality of the Atlantic diet recommendations and real consumption habits in Galicia (NW Spain). Science of the Total Environment, 2019, 683, 71-79.	8.0	36
126	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.	2.2	35

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127	Environmental aspects of eucalyptus based ethanol production and use. Science of the Total Environment, 2012, 438, 1-8.	8.0	35
128	Environmental assessment of viticulture waste valorisation through composting as a biofertilisation strategy for cereal and fruit crops. Environmental Pollution, 2020, 264, 114794.	7.5	35
129	Comparative evaluation of lignocellulosic biorefinery scenarios under a lifeâ€cycle assessment approach. Biofuels, Bioproducts and Biorefining, 2018, 12, 1047-1064.	3.7	34
130	A comparison of municipal wastewater treatment plants for big centres of population in Galicia (Spain). International Journal of Life Cycle Assessment, 2008, 13, 57-64.	4.7	34
131	Environmental assessment of black locust (Robinia pseudoacacia L.)-based ethanol as potential transport fuel. International Journal of Life Cycle Assessment, 2011, 16, 465-477.	4.7	33
132	Ecoâ€Designing the Use Phase of Products in Sustainable Manufacturing. Journal of Industrial Ecology, 2014, 18, 545-557.	5.5	33
133	Comparing environmental impacts of different forest management scenarios for maritime pine biomass production in France. Journal of Cleaner Production, 2014, 64, 356-367.	9.3	33
134	Anaerobic microbial mobilization and biotransformation of arsenate adsorbed onto activated alumina. Water Research, 2005, 39, 199-209.	11.3	32
135	Updating the carbon footprint of the Galician fishing activity (NW Spain). Science of the Total Environment, 2011, 409, 1609-1611.	8.0	32
136	Environmental assessment of dehydrated alfalfa production in Spain. Resources, Conservation and Recycling, 2011, 55, 1005-1012.	10.8	32
137	Potential environmental effects of probiotics used in aquaculture. Aquaculture International, 2012, 20, 779-789.	2.2	32
138	The role of consumer purchase and post-purchase decision-making in sustainable seafood consumption. A Spanish case study using carbon footprinting. Food Policy, 2013, 41, 94-102.	6.0	32
139	Continuous removal of endocrine disruptors by versatile peroxidase using a twoâ€stage system. Biotechnology Progress, 2015, 31, 908-916.	2.6	32
140	Environmental performance of sorghum, barley and oat silage production for livestock feed using life cycle assessment. Resources, Conservation and Recycling, 2016, 111, 28-41.	10.8	32
141	Towards improving the sustainability of bioplastics: Process modelling and life cycle assessment of two separation routes for 2,5-furandicarboxylic acid. Separation and Purification Technology, 2020, 233, 116056.	7.9	32
142	Production of flavonol quercetin and fructooligosaccharides from onion (Allium cepa L.) waste: An environmental life cycle approach. Chemical Engineering Journal, 2020, 392, 123772.	12.7	32
143	Fungal Bioreactors: Applications to White-Rot Fungi. Reviews in Environmental Science and Biotechnology, 2003, 2, 247-259.	8.1	30
144	Comparative environmental assessment of wood transport models. Science of the Total Environment, 2009, 407, 3530-3539.	8.0	30

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145	Cradle-to-gate life cycle inventory and environmental performance ofÂDouglas-fir roundwood production in Germany. Journal of Cleaner Production, 2013, 54, 244-252.	9.3	30
146	Edible Protein Energy Return on Investment Ratio (ep-EROI) for Spanish Seafood Products. Ambio, 2014, 43, 381-394.	5.5	30
147	Production of lignin peroxidase by Phanerochaete chrysosporium in a packed bed bioreactor operated in semi-continuous mode. Journal of Biotechnology, 1995, 42, 247-253.	3.8	29
148	Continuous production of manganese peroxidase byPhanerochaete chrysosporium immobilized on polyurethane foam in a pulsed packed-bed bioreactor. , 1997, 56, 130-137.		29
149	An anaerobic bioreactor allows the efficient degradation of HCH isomers in soil slurry. Chemosphere, 2006, 63, 1005-1013.	8.2	29
150	Operation of a two-phase partitioning bioreactor for the oxidation of anthracene by the enzyme manganese peroxidase. Chemosphere, 2007, 66, 1744-1751.	8.2	29
151	Modeling the leachate flow and aggregated emissions from municipal waste landfills under life cycle thinking in the Oceanic region of the Iberian Peninsula. Journal of Cleaner Production, 2014, 67, 98-106.	9.3	29
152	Potentiality of a ceramic membrane reactor for the laccase-catalyzed removal of bisphenol A from secondary effluents. Applied Microbiology and Biotechnology, 2015, 99, 9299-9308.	3.6	29
153	Life cycle inventory of medium density fibreboard. International Journal of Life Cycle Assessment, 2007, 12, 143-150.	4.7	29
154	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.	3.0	28
155	Fostering the action of versatile peroxidase as a highly efficient biocatalyst for the removal of endocrine disrupting compounds. New Biotechnology, 2016, 33, 187-195.	4.4	28
156	Environmental and water sustainability of milk production in Northeast Spain. Science of the Total Environment, 2018, 616-617, 1317-1329.	8.0	28
157	Assessing the sustainability dimension at local scale: Case study of Spanish cities. Ecological Indicators, 2020, 117, 106687.	6.3	28
158	Effect of pH on the stability of Pleurotus eryngii versatile peroxidase during heterologous production in Emericella nidulans. Bioprocess and Biosystems Engineering, 2004, 26, 287-293.	3.4	27
159	Environmental sustainability assessment of HMF and FDCA production from lignocellulosic biomass through life cycle assessment (LCA). Holzforschung, 2018, 73, 105-115.	1.9	27
160	Integrated evaluation of wine lees valorization to produce value-added products. Waste Management, 2019, 95, 70-77.	7.4	27
161	Effect of culture temperature on the heterologous expression of Pleurotus eryngii versatile peroxidase in Aspergillus hosts. Bioprocess and Biosystems Engineering, 2009, 32, 129-134.	3.4	26
162	Estimating global discards and their potential reduction for the Galician fishing fleet (NW Spain). Marine Policy, 2011, 35, 140-147.	3.2	26

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163	Eco-innovation of a wooden based modular social playground: application of LCA and DfE methodologies. Journal of Cleaner Production, 2012, 27, 21-31.	9.3	26
164	Environmental evaluation of eicosapentaenoic acid production by Phaeodactylum tricornutum. Science of the Total Environment, 2014, 466-467, 991-1002.	8.0	26
165	Manganese Is Not Required for Biobleaching of Oxygen-Delignified Kraft Pulp by the White Rot Fungus Bjerkandera sp. Strain BOS55. Applied and Environmental Microbiology, 1997, 63, 1749-1755.	3.1	26
166	Oxidation of lignin in eucalyptus kraft pulp by manganese peroxidase from Bjerkandera sp. strain BOS55. Bioresource Technology, 2001, 78, 71-79.	9.6	25
167	Facile Reduction of Arsenate in Methanogenic Sludge. Biodegradation, 2004, 15, 185-196.	3.0	25
168	Assessing relationships among life-cycle environmental impacts with dimension reduction techniques. Journal of Environmental Management, 2010, 91, 1002-1011.	7.8	25
169	A new strain of Bjerkandera sp. production, purification and characterization of versatile peroxidase. World Journal of Microbiology and Biotechnology, 2011, 27, 115-122.	3.6	25
170	Tanninâ€based bioâ€adhesives for the wood panel industry as sustainable alternatives to petrochemical resins. Journal of Industrial Ecology, 2022, 26, 627-642.	5.5	25
171	Manganese peroxidase production by Bjerkandera sp. BOS55. Bioprocess and Biosystems Engineering, 2000, 23, 657-661.	3.4	24
172	Biodegradability of kraft mill TCF biobleaching effluents: Application of enzymatic laccase-mediator system. Water Research, 2010, 44, 2211-2220.	11.3	24
173	Surfactant-assisted two phase partitioning bioreactors for laccase-catalyzed degradation of anthracene. Process Biochemistry, 2012, 47, 1115-1121.	3.7	24
174	Cross-vessel eco-efficiency analysis. A case study for purse seining fishing from North Portugal targeting European pilchard. International Journal of Life Cycle Assessment, 2015, 20, 1019-1032.	4.7	24
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