

Gumersindo Feijoo

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309
papers

10,537
citations

58
h-index

83
g-index

319
ext. papers

11,935
ext. citations

6.9
avg, IF

6.5
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 309 | Screening for ligninolytic fungi applicable to the biodegradation of xenobiotics. <i>Trends in Biotechnology</i> , 1993 , 11, 44-49 | 15.1 | 281 |
| 308 | Environmental and economic profile of six typologies of wastewater treatment plants. <i>Water Research</i> , 2011 , 45, 5997-6010 | 12.5 | 210 |
| 307 | Sodium inhibition in the anaerobic digestion process: Antagonism and adaptation phenomena. <i>Enzyme and Microbial Technology</i> , 1995 , 17, 180-188 | 3.8 | 191 |
| 306 | Laccase-catalyzed degradation of anti-inflammatories and estrogens. <i>Biochemical Engineering Journal</i> , 2010 , 51, 124-131 | 4.2 | 164 |
| 305 | Environmental Evaluation of Different Treatment Processes for Sludge from Urban Wastewater Treatments: Anaerobic Digestion versus Thermal Processes (10 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 336-345 | 4.6 | 155 |
| 304 | Joint life cycle assessment and data envelopment analysis of grape production for vinification in the RBs Baixas appellation (NW Spain). <i>Journal of Cleaner Production</i> , 2012 , 27, 92-102 | 10.3 | 152 |
| 303 | Eco-efficiency analysis of Spanish WWTPs using the LCA + DEA method. <i>Water Research</i> , 2015 , 68, 651-662.5 | 14.6 | 146 |
| 302 | Simplified life cycle assessment of galician milk production. <i>International Dairy Journal</i> , 2003 , 13, 783-796.5 | 9.5 | 143 |
| 301 | Enzymatic degradation of anthracene, dibenzothiophene and pyrene by manganese peroxidase in media containing acetone. <i>Chemosphere</i> , 2006 , 64, 408-14 | 8.4 | 139 |
| 300 | Benchmarking environmental and operational parameters through eco-efficiency criteria for dairy farms. <i>Science of the Total Environment</i> , 2011 , 409, 1786-98 | 10.2 | 131 |
| 299 | The link between operational efficiency and environmental impacts. A joint application of Life Cycle Assessment and Data Envelopment Analysis. <i>Science of the Total Environment</i> , 2009 , 407, 1744-54 | 10.2 | 124 |
| 298 | Life cycle assessment of the production of the red antioxidant carotenoid astaxanthin by microalgae: from lab to pilot scale. <i>Journal of Cleaner Production</i> , 2014 , 64, 332-344 | 10.3 | 123 |
| 297 | Environmental performance of wastewater treatment plants for small populations. <i>Resources, Conservation and Recycling</i> , 2008 , 52, 931-940 | 11.9 | 117 |
| 296 | Comparative life cycle assessment in the wine sector: biodynamic vs. conventional viticulture activities in NW Spain. <i>Journal of Cleaner Production</i> , 2014 , 65, 330-341 | 10.3 | 111 |
| 295 | 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 | 4.4 | 108 |
| 294 | Environmental assessment of anaerobically digested sludge reuse in agriculture: potential impacts of emerging micropollutants. <i>Water Research</i> , 2010 , 44, 3225-33 | 12.5 | 107 |
| 293 | Life Cycle Inventory of Particleboard: A Case Study in the Wood Sector (8 pp). <i>International Journal of Life Cycle Assessment</i> , 2006 , 11, 106-113 | 4.6 | 99 |

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| 292 | 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, 6593-9 | 11 | 98 |
| 291 | Further potentials in the joint implementation of life cycle assessment and data envelopment analysis. <i>Science of the Total Environment</i> , 2010 , 408, 5265-72 | 10.2 | 95 |
| 290 | 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 | 8.1 | 92 |
| 289 | Environmental performance of a municipal wastewater treatment plant. <i>International Journal of Life Cycle Assessment</i> , 2004 , 9, 261 | 4.6 | 89 |
| 288 | Carbon footprint and nutritional quality of different human dietary choices. <i>Science of the Total Environment</i> , 2018 , 644, 77-94 | 10.2 | 87 |
| 287 | 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 | 4.1 | 85 |
| 286 | A packed-bed fungal bioreactor for the continuous decolourisation of azo-dyes (Orange II). <i>Journal of Biotechnology</i> , 2001 , 89, 99-106 | 3.7 | 83 |
| 285 | Comparative environmental performance of lignocellulosic ethanol from different feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , 2010 , 14, 2077-2085 | 16.2 | 82 |
| 284 | Environmental analysis of Ribeiro wine from a timeline perspective: harvest year matters when reporting environmental impacts. <i>Journal of Environmental Management</i> , 2012 , 98, 73-83 | 7.9 | 81 |
| 283 | 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, 373-86 | 4.1 | 81 |
| 282 | Oxidation of pharmaceutically active compounds by a ligninolytic fungal peroxidase. <i>Biodegradation</i> , 2011 , 22, 539-50 | 4.1 | 81 |
| 281 | Oxidative degradation of azo dyes by manganese peroxidase under optimized conditions. <i>Biotechnology Progress</i> , 2003 , 19, 325-31 | 2.8 | 81 |
| 280 | Enzymatic membrane reactors for biodegradation of recalcitrant compounds. Application to dye decolourisation. <i>Journal of Biotechnology</i> , 2002 , 99, 249-57 | 3.7 | 81 |
| 279 | Anaerobic degradation of hexachlorocyclohexane isomers in liquid and soil slurry systems. <i>Chemosphere</i> , 2005 , 61, 528-36 | 8.4 | 80 |
| 278 | 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, 4536-43 | 10.3 | 79 |
| 277 | Environmental assessment of canned tuna manufacture with a life-cycle perspective. <i>Resources, Conservation and Recycling</i> , 2006 , 47, 56-72 | 11.9 | 79 |
| 276 | Life cycle assessment of raw materials for non-wood pulp mills: Hemp and flax. <i>Resources, Conservation and Recycling</i> , 2010 , 54, 923-930 | 11.9 | 78 |
| 275 | Environmental impacts of forest production and supply of pulpwood: Spanish and Swedish case studies. <i>International Journal of Life Cycle Assessment</i> , 2009 , 14, 340-353 | 4.6 | 75 |

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| 274 | Benchmarking wastewater treatment plants under an eco-efficiency perspective. <i>Science of the Total Environment</i> , 2016 , 566-567, 468-479 | 10.2 | 74 |
| 273 | Sustainable production of biologically active molecules of marine based origin. <i>New Biotechnology</i> , 2013 , 30, 839-50 | 6.4 | 74 |
| 272 | In vitro degradation of a polymeric dye (Poly R-478) by manganese peroxidase. <i>Biotechnology and Bioengineering</i> , 2001 , 75, 362-8 | 4.9 | 74 |
| 271 | Environmental performance assessment of hardboard manufacture. <i>International Journal of Life Cycle Assessment</i> , 2009 , 14, 456-466 | 4.6 | 73 |
| 270 | The prospective use of biochar as adsorption matrix - A review from a lifecycle perspective. <i>Bioresource Technology</i> , 2017 , 246, 135-141 | 11 | 72 |
| 269 | A comparison of municipal wastewater treatment plants for big centres of population in Galicia (Spain). <i>International Journal of Life Cycle Assessment</i> , 2008 , 13, 57-64 | 4.6 | 72 |
| 268 | Evaluation of different fungal strains in the decolourisation of synthetic dyes. <i>Biotechnology Letters</i> , 2000 , 22, 1499-1503 | 3 | 72 |
| 267 | Life cycle assessment of horse mackerel fisheries in Galicia (NW Spain): Comparative analysis of two major fishing methods. <i>Fisheries Research</i> , 2010 , 106, 517-527 | 2.3 | 71 |
| 266 | Comparative life cycle assessment of ethanol production from fast-growing wood crops (black locust, eucalyptus and poplar). <i>Biomass and Bioenergy</i> , 2012 , 39, 378-388 | 5.3 | 70 |
| 265 | Biobleaching of oxygen delignified kraft pulp by several white rot fungal strains. <i>Journal of Biotechnology</i> , 1997 , 53, 237-251 | 3.7 | 69 |
| 264 | Life Cycle Assessment of broiler chicken production: a Portuguese case study. <i>Journal of Cleaner Production</i> , 2014 , 74, 125-134 | 10.3 | 68 |
| 263 | 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, 175-83 | 12.8 | 67 |
| 262 | Environmental profile of ethanol from poplar biomass as transport fuel in Southern Europe. <i>Renewable Energy</i> , 2010 , 35, 1014-1023 | 8.1 | 67 |
| 261 | Beyond the conventional life cycle inventory in wastewater treatment plants. <i>Science of the Total Environment</i> , 2016 , 553, 71-82 | 10.2 | 66 |
| 260 | Environmental impact efficiency in mussel cultivation. <i>Resources, Conservation and Recycling</i> , 2010 , 54, 1269-1277 | 11.9 | 65 |
| 259 | Carbon footprint of canned mussels from a business-to-consumer approach. A starting point for mussel processors and policy makers. <i>Environmental Science and Policy</i> , 2010 , 13, 509-521 | 6.2 | 64 |
| 258 | Dye decolorization by manganese peroxidase in an enzymatic membrane bioreactor. <i>Biotechnology Progress</i> , 2004 , 20, 74-81 | 2.8 | 64 |
| 257 | Environmental assessment of green hardboard production coupled with a laccase activated system. <i>Journal of Cleaner Production</i> , 2011 , 19, 445-453 | 10.3 | 63 |

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| 256 | Life cycle assessment of wood wastes: A case study of ephemeral architecture. <i>Science of the Total Environment</i> , 2006 , 357, 1-11 | 10.2 | 62 |
| 255 | Bioremediation of HCH present in soil by the white-rot fungus <i>Bjerkandera adusta</i> in a slurry batch bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2007 , 60, 319-326 | 4.8 | 59 |
| 254 | Biodegradation of polycyclic aromatic hydrocarbons in forest and salt marsh soils by white-rot fungi. <i>International Biodeterioration and Biodegradation</i> , 2006 , 58, 15-21 | 4.8 | 59 |
| 253 | Environmental impact assessment of total chlorine free pulp from <i>Eucalyptus globulus</i> in Spain. <i>Journal of Cleaner Production</i> , 2009 , 17, 1010-1016 | 10.3 | 58 |
| 252 | Life cycle inventory of medium density fibreboard. <i>International Journal of Life Cycle Assessment</i> , 2007 , 12, 143-150 | 4.6 | 58 |
| 251 | Complete degradation of anthracene by Manganese Peroxidase in organic solvent mixtures. <i>Enzyme and Microbial Technology</i> , 2005 , 37, 365-372 | 3.8 | 58 |
| 250 | Environmental Life Cycle Assessment of a Galician cheese: San Simon da Costa. <i>Journal of Cleaner Production</i> , 2013 , 52, 253-262 | 10.3 | 57 |
| 249 | Estimation of the carbon footprint of the Galician fishing activity (NW Spain). <i>Science of the Total Environment</i> , 2010 , 408, 5284-94 | 10.2 | 56 |
| 248 | Revisiting the Life Cycle Assessment of mussels from a sectorial perspective. <i>Journal of Cleaner Production</i> , 2010 , 18, 101-111 | 10.3 | 56 |
| 247 | Biodegradation of a polymeric dye in a pulsed bed bioreactor by immobilised phanerochaete chrysosporium. <i>Water Research</i> , 2002 , 36, 1896-901 | 12.5 | 56 |
| 246 | Life cycle assessment of flax shives derived second generation ethanol fueled automobiles in Spain. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 1922-1933 | 16.2 | 55 |
| 245 | Multiple-objective evaluation of wastewater treatment plant control alternatives. <i>Journal of Environmental Management</i> , 2010 , 91, 1193-201 | 7.9 | 55 |
| 244 | A methodology to estimate greenhouse gases emissions in Life Cycle Inventories of wastewater treatment plants. <i>Environmental Impact Assessment Review</i> , 2012 , 37, 37-46 | 5.3 | 54 |
| 243 | Biodegradation of dibenzothiophene, fluoranthene, pyrene and chrysene in a soil slurry reactor by the white-rot fungus <i>Bjerkandera</i> sp. BOS55. <i>Process Biochemistry</i> , 2007 , 42, 641-648 | 4.8 | 54 |
| 242 | Life cycle assessment of nutrient removal technologies for the treatment of anaerobic digestion supernatant and its integration in a wastewater treatment plant. <i>Science of the Total Environment</i> , 2014 , 490, 871-9 | 10.2 | 53 |
| 241 | Life cycle assessment as a tool for the environmental improvement of the tannery industry in developing countries. <i>Environmental Science & Technology</i> , 2004 , 38, 1901-9 | 10.3 | 53 |
| 240 | Selection of odour removal technologies in wastewater treatment plants: a guideline based on Life Cycle Assessment. <i>Journal of Environmental Management</i> , 2015 , 149, 77-84 | 7.9 | 52 |
| 239 | Life cycle assessment of hemp hurds use in second generation ethanol production. <i>Biomass and Bioenergy</i> , 2012 , 36, 268-279 | 5.3 | 52 |

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| 238 | Immobilization of laccase by encapsulation in a sol-gel matrix and its characterization and use for the removal of estrogens. <i>Biotechnology Progress</i> , 2011 , 27, 1570-9 | 2.8 | 52 |
| 237 | Best practices in life cycle assessment implementation in fisheries. Improving and broadening environmental assessment for seafood production systems. <i>Trends in Food Science and Technology</i> , 2012 , 28, 116-131 | 15.3 | 51 |
| 236 | Environmental Life Cycle Assessment of a Swedish Dissolving Pulp Mill Integrated Biorefinery. <i>Journal of Industrial Ecology</i> , 2011 , 15, 568-583 | 7.2 | 50 |
| 235 | Assuring the sustainable production of biogas from anaerobic mono-digestion. <i>Journal of Cleaner Production</i> , 2014 , 72, 23-34 | 10.3 | 49 |
| 234 | Development of regional characterization factors for aquatic eutrophication. <i>International Journal of Life Cycle Assessment</i> , 2010 , 15, 32-43 | 4.6 | 49 |
| 233 | Life Cycle Assessment of fresh and canned mussel processing and consumption in Galicia (NW Spain). <i>Resources, Conservation and Recycling</i> , 2010 , 55, 106-117 | 11.9 | 49 |
| 232 | Comparative life cycle assessment of real pilot reactors for microalgae cultivation in different seasons. <i>Applied Energy</i> , 2017 , 205, 1151-1164 | 10.7 | 48 |
| 231 | 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 | | 47 |
| 230 | Assessing the sustainability of Spanish cities considering environmental and socio-economic indicators. <i>Journal of Cleaner Production</i> , 2018 , 178, 599-610 | 10.3 | 46 |
| 229 | PPCPs in wastewater: Update and calculation of characterization factors for their inclusion in LCA studies. <i>Journal of Cleaner Production</i> , 2014 , 83, 245-255 | 10.3 | 46 |
| 228 | Are all membrane reactors equal from an environmental point of view?. <i>Desalination</i> , 2012 , 285, 263-270 | 10.3 | 46 |
| 227 | Environmental aspects of ethanol-based fuels from <i>Brassica carinata</i> : A case study of second generation ethanol. <i>Renewable and Sustainable Energy Reviews</i> , 2009 , 13, 2613-2620 | 16.2 | 46 |
| 226 | Evaluation of biodiesel as bioremediation agent for the treatment of the shore affected by the heavy oil spill of the Prestige. <i>Journal of Hazardous Materials</i> , 2007 , 147, 914-22 | 12.8 | 46 |
| 225 | Life Cycle Assessment of fresh hake fillets captured by the Galician fleet in the Northern Stock. <i>Fisheries Research</i> , 2011 , 110, 128-135 | 2.3 | 45 |
| 224 | Comparative environmental assessment of valorization strategies of the invasive macroalgae <i>Sargassum muticum</i> . <i>Bioresource Technology</i> , 2014 , 161, 137-48 | 11 | 44 |
| 223 | Life cycle assessment of the production of bioactive compounds from <i>Tetraselmis suecica</i> at pilot scale. <i>Journal of Cleaner Production</i> , 2014 , 64, 323-331 | 10.3 | 43 |
| 222 | 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 | 4.2 | 43 |
| 221 | Combined application of LCA and eco-design for the sustainable production of wood boxes for wine bottles storage. <i>International Journal of Life Cycle Assessment</i> , 2011 , 16, 224-237 | 4.6 | 43 |

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| 220 | Environmental performance of lignocellulosic bioethanol production from Alfalfa stems. <i>Biofuels, Bioproducts and Biorefining</i> , 2010 , 4, 118-131 | 5.3 | 43 |
| 219 | Control of pellet morphology of filamentous fungi in fluidized bed bioreactors by means of a pulsing flow. Application to <i>Aspergillus niger</i> and <i>Phanerochaete chrysosporium</i> . <i>Enzyme and Microbial Technology</i> , 1996 , 19, 261-6 | 3.8 | 43 |
| 218 | Strategies for the continuous production of ligninolytic enzymes in fixed and fluidised bed bioreactors. <i>Journal of Biotechnology</i> , 1998 , 66, 27-39 | 3.7 | 42 |
| 217 | Enzymatic technologies for remediation of hydrophobic organic pollutants in soil. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 8815-29 | 5.7 | 41 |
| 216 | Assessing the use of nanoimmobilized laccases to remove micropollutants from wastewater. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 3217-28 | 5.1 | 41 |
| 215 | Computation of Operational and Environmental Benchmarks Within Selected Galician Fishing Fleets. <i>Journal of Industrial Ecology</i> , 2011 , 15, 776-795 | 7.2 | 41 |
| 214 | Assessing the global warming potential of wooden products from the furniture sector to improve their ecodesign. <i>Science of the Total Environment</i> , 2011 , 410-411, 16-25 | 10.2 | 41 |
| 213 | Implementing by-product management into the Life Cycle Assessment of the mussel sector. <i>Resources, Conservation and Recycling</i> , 2010 , 54, 1219-1230 | 11.9 | 41 |
| 212 | Biodegradation of Pentachlorophenol in Soil Slurry Cultures by <i>Bjerkandera adusta</i> and <i>Anthracoxyllum discolor</i> . <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6744-6751 | 3.9 | 40 |
| 211 | Environmental assessment of frozen common octopus (<i>Octopus vulgaris</i>) captured by Spanish fishing vessels in the Mauritanian EEZ. <i>Marine Policy</i> , 2012 , 36, 180-188 | 3.5 | 38 |
| 210 | Improving the catalytic performance of laccase using a novel continuous-flow microreactor. <i>Chemical Engineering Journal</i> , 2013 , 223, 497-506 | 14.7 | 38 |
| 209 | Carbon footprint of a multi-ingredient seafood product from a business-to-business perspective. <i>Journal of Cleaner Production</i> , 2013 , 44, 200-210 | 10.3 | 37 |
| 208 | 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, 404-6 | 3.7 | 37 |
| 207 | Environmental impact assessment of non-wood based pulp production by soda-anthraquinone pulping process. <i>Journal of Cleaner Production</i> , 2010 , 18, 137-145 | 10.3 | 37 |
| 206 | Covalent immobilisation of manganese peroxidases (MnP) from <i>Phanerochaete chrysosporium</i> and <i>Bjerkandera</i> sp. BOS55. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 769-775 | 3.8 | 37 |
| 205 | Environmental performance of biomass refining into high-added value compounds. <i>Journal of Cleaner Production</i> , 2016 , 120, 170-180 | 10.3 | 36 |
| 204 | Evaluation of forest operations in Spanish eucalypt plantations under a life cycle assessment perspective. <i>Scandinavian Journal of Forest Research</i> , 2009 , 24, 160-172 | 1.7 | 36 |
| 203 | Effect of surfactants on the soil desorption of hexachlorocyclohexane (HCH) isomers and their anaerobic biodegradation. <i>Journal of Chemical Technology and Biotechnology</i> , 2005 , 80, 1005-1015 | 3.5 | 36 |

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| 202 | Towards an environmentally sustainable and healthy Atlantic dietary pattern: Life cycle carbon footprint and nutritional quality. <i>Science of the Total Environment</i> , 2019 , 646, 704-715 | 10.2 | 35 |
| 201 | Eco-innovation of a wooden childhood furniture set: an example of environmental solutions in the wood sector. <i>Science of the Total Environment</i> , 2012 , 426, 318-26 | 10.2 | 35 |
| 200 | Role of Organic Acids in the Manganese-Independent Biobleaching System of <i>Bjerkandera</i> sp. Strain BOS55. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 2409-17 | 4.8 | 35 |
| 199 | Comparative life cycle assessment of different synthesis routes of magnetic nanoparticles. <i>Journal of Cleaner Production</i> , 2017 , 143, 528-538 | 10.3 | 34 |
| 198 | Environmental assessment of farm-scaled anaerobic co-digestion for bioenergy production. <i>Waste Management</i> , 2015 , 41, 50-9 | 8.6 | 34 |
| 197 | Dynamic environmental efficiency assessment for wastewater treatment plants. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 357-367 | 4.6 | 34 |
| 196 | A comparison of municipal wastewater treatment plants for big centres of population in Galicia (Spain) 2008 , 13, 57 | | 33 |
| 195 | Life cycle assessment of European pilchard (<i>Sardina pilchardus</i>) consumption. A case study for Galicia (NW Spain). <i>Science of the Total Environment</i> , 2014 , 475, 48-60 | 10.2 | 32 |
| 194 | Embedding environmental, economic and social indicators in the evaluation of the sustainability of the municipalities of Galicia (northwest of Spain). <i>Journal of Cleaner Production</i> , 2019 , 234, 27-42 | 10.3 | 30 |
| 193 | Comparing environmental impacts of different forest management scenarios for maritime pine biomass production in France. <i>Journal of Cleaner Production</i> , 2014 , 64, 356-367 | 10.3 | 30 |
| 192 | Environmental assessment of black locust (<i>Robinia pseudoacacia</i> L.)-based ethanol as potential transport fuel. <i>International Journal of Life Cycle Assessment</i> , 2011 , 16, 465-477 | 4.6 | 29 |
| 191 | Comparative environmental assessment of wood transport models: a case study of a Swedish pulp mill. <i>Science of the Total Environment</i> , 2009 , 407, 3530-9 | 10.2 | 29 |
| 190 | Production of lignin peroxidase by <i>Phanerochaete chrysosporium</i> in a packed bed bioreactor operated in semi-continuous mode. <i>Journal of Biotechnology</i> , 1995 , 42, 247-253 | 3.7 | 29 |
| 189 | Addressing challenges and opportunities of the European seafood sector under a circular economy framework. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 13, 101-106 | 8.1 | 28 |
| 188 | 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, 9299-308 | 5.7 | 27 |
| 187 | Integrating uncertainties to the combined environmental and economic assessment of algal biorefineries: A Monte Carlo approach. <i>Science of the Total Environment</i> , 2018 , 626, 762-775 | 10.2 | 27 |
| 186 | Eco-Designing the Use Phase of Products in Sustainable Manufacturing. <i>Journal of Industrial Ecology</i> , 2014 , 18, 545-557 | 7.2 | 27 |
| 185 | Environmental aspects of eucalyptus based ethanol production and use. <i>Science of the Total Environment</i> , 2012 , 438, 1-8 | 10.2 | 27 |

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| 184 | Operation of a two-phase partitioning bioreactor for the oxidation of anthracene by the enzyme manganese peroxidase. <i>Chemosphere</i> , 2007 , 66, 1744-51 | 8.4 | 27 |
| 183 | Cradle-to-gate Life Cycle Assessment of bio-adhesives for the wood panel industry. A comparison with petrochemical alternatives. <i>Science of the Total Environment</i> , 2020 , 738, 140357 | 10.2 | 26 |
| 182 | Integrating Urban Metabolism, Material Flow Analysis and Life Cycle Assessment in the environmental evaluation of Santiago de Compostela. <i>Sustainable Cities and Society</i> , 2018 , 40, 569-580 | 10.1 | 26 |
| 181 | Updating the carbon footprint of the Galician fishing activity (NW Spain). <i>Science of the Total Environment</i> , 2011 , 409, 1609-11 | 10.2 | 26 |
| 180 | Fungal Bioreactors: Applications to White-Rot Fungi. <i>Reviews in Environmental Science and Biotechnology</i> , 2003 , 2, 247-259 | 13.9 | 26 |
| 179 | Use of cheese whey as a substrate to produce manganese peroxidase by <i>Bjerkandera</i> sp BOS55. <i>Journal of Industrial Microbiology and Biotechnology</i> , 1999 , 23, 86-90 | 4.2 | 26 |
| 178 | Life cycle inventory analysis of granite production from cradle to gate. <i>International Journal of Life Cycle Assessment</i> , 2014 , 19, 153-165 | 4.6 | 25 |
| 177 | The role of consumer purchase and post-purchase decision-making in sustainable seafood consumption. A Spanish case study using carbon footprinting. <i>Food Policy</i> , 2013 , 41, 94-102 | 5 | 25 |
| 176 | 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, 129-34 | 3.7 | 25 |
| 175 | Anaerobic microbial mobilization and biotransformation of arsenate adsorbed onto activated alumina. <i>Water Research</i> , 2005 , 39, 199-209 | 12.5 | 25 |
| 174 | Effect of pH on the stability of <i>Pleurotus eryngii</i> versatile peroxidase during heterologous production in <i>Emericella nidulans</i> . <i>Bioprocess and Biosystems Engineering</i> , 2004 , 26, 287-93 | 3.7 | 25 |
| 173 | Life cycle inventory of medium density fibreboard 2007 , 12, 143 | | 25 |
| 172 | Continuous removal of endocrine disruptors by versatile peroxidase using a two-stage system. <i>Biotechnology Progress</i> , 2015 , 31, 908-16 | 2.8 | 24 |
| 171 | Cradle-to-gate life cycle inventory and environmental performance of Douglas-fir roundwood production in Germany. <i>Journal of Cleaner Production</i> , 2013 , 54, 244-252 | 10.3 | 24 |
| 170 | An anaerobic bioreactor allows the efficient degradation of HCH isomers in soil slurry. <i>Chemosphere</i> , 2006 , 63, 1005-13 | 8.4 | 24 |
| 169 | Oxidation of lignin in eucalyptus kraft pulp by manganese peroxidase from <i>Bjerkandera</i> sp. strain BOS55. <i>Bioresource Technology</i> , 2001 , 78, 71-9 | 11 | 24 |
| 168 | Fostering the action of versatile peroxidase as a highly efficient biocatalyst for the removal of endocrine disrupting compounds. <i>New Biotechnology</i> , 2016 , 33, 187-95 | 6.4 | 23 |
| 167 | Edible protein energy return on investment ratio (ep-EROI) for Spanish seafood products. <i>Ambio</i> , 2014 , 43, 381-94 | 6.5 | 23 |

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| 166 | Surfactant-assisted two phase partitioning bioreactors for laccase-catalyzed degradation of anthracene. <i>Process Biochemistry</i> , 2012 , 47, 1115-1121 | 4.8 | 23 |
| 165 | Continuous production of manganese peroxidase by <i>Phanerochaete chrysosporium</i> immobilized on polyurethane foam in a pulsed packed-bed bioreactor. <i>Biotechnology and Bioengineering</i> , 1997 , 56, 130-139 | 4.9 | 23 |
| 164 | Facile reduction of arsenate in methanogenic sludge. <i>Biodegradation</i> , 2004 , 15, 185-96 | 4.1 | 23 |
| 163 | Eco-innovation of a wooden based modular social playground: application of LCA and DfE methodologies. <i>Journal of Cleaner Production</i> , 2012 , 27, 21-31 | 10.3 | 22 |
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| 161 | Environmental assessment of dehydrated alfalfa production in Spain. <i>Resources, Conservation and Recycling</i> , 2011 , 55, 1005-1012 | 11.9 | 22 |
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