

Antoni Sanchez

List of Publications by Year in descending order

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172
papers

8,809
citations

31902

53
h-index

54797

84
g-index

175
all docs

175
docs citations

175
times ranked

7354
citing authors

#	ARTICLE	IF	CITATIONS
1	Composting of food wastes: Status and challenges. <i>Bioresource Technology</i> , 2018, 248, 57-67.	4.8	374
2	Ammonia emissions from the composting of different organic wastes. Dependency on process temperature. <i>Chemosphere</i> , 2006, 62, 1534-1542.	4.2	269
3	The use of respiration indices in the composting process: a review. <i>Waste Management and Research</i> , 2006, 24, 37-47.	2.2	212
4	Effect of cerium dioxide, titanium dioxide, silver, and gold nanoparticles on the activity of microbial communities intended in wastewater treatment. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 64-72.	6.5	202
5	Recovery of organic wastes in the Spanish wine industry. Technical, economic and environmental analyses of the composting process. <i>Journal of Cleaner Production</i> , 2009, 17, 830-838.	4.6	195
6	Pre-oxidation of an extremely polluted industrial wastewater by the Fenton's reagent. <i>Journal of Hazardous Materials</i> , 2003, 101, 315-322.	6.5	168
7	The use of life cycle assessment for the comparison of biowaste composting at home and full scale. <i>Waste Management</i> , 2010, 30, 983-994.	3.7	164
8	Odours and volatile organic compounds emitted from municipal solid waste at different stage of decomposition and relationship with biological stability. <i>Bioresource Technology</i> , 2011, 102, 4638-4645.	4.8	156
9	Emission of volatile organic compounds from composting of different solid wastes: Abatement by biofiltration. <i>Journal of Hazardous Materials</i> , 2006, 131, 179-186.	6.5	154
10	Technology overview of biogas production in anaerobic digestion plants: A European evaluation of research and development. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 44-53.	8.2	153
11	Anaerobic co-digestion of a simulated organic fraction of municipal solid wastes and fats of animal and vegetable origin. <i>Biochemical Engineering Journal</i> , 2005, 26, 22-28.	1.8	145
12	Recycling of Organic Wastes through Composting: Process Performance and Compost Application in Agriculture. <i>Agronomy</i> , 2020, 10, 1838.	1.3	135
13	Critical review of existing nanomaterial adsorbents to capture carbon dioxide and methane. <i>Science of the Total Environment</i> , 2017, 595, 51-62.	3.9	133
14	Solid-State Fermentation as a Novel Paradigm for Organic Waste Valorization: A Review. <i>Sustainability</i> , 2017, 9, 224.	1.6	131
15	Determination of the energy and environmental burdens associated with the biological treatment of source-separated Municipal Solid Wastes. <i>Energy and Environmental Science</i> , 2012, 5, 5731-5741.	15.6	129
16	Monitoring the biological activity of the composting process: Oxygen uptake rate (OUR), respirometric index (RI), and respiratory quotient (RQ). <i>Biotechnology and Bioengineering</i> , 2004, 88, 520-527.	1.7	124
17	Environmental assessment of home composting. <i>Resources, Conservation and Recycling</i> , 2010, 54, 893-904.	5.3	124
18	Bioremediation of PAHs-contaminated soil through composting: Influence of bioaugmentation and biostimulation on contaminant biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 859-865.	1.9	119

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19	In search of a reliable technique for the determination of the biological stability of the organic matter in the mechanical biological treated waste. <i>Journal of Hazardous Materials</i> , 2009, 162, 1065-1072.	6.5	118
20	Home composting versus industrial composting: Influence of composting system on compost quality with focus on compost stability. <i>Waste Management</i> , 2014, 34, 1109-1116.	3.7	112
21	Comparison of aerobic and anaerobic stability indices through a MSW biological treatment process. <i>Waste Management</i> , 2008, 28, 2735-2742.	3.7	110
22	The use of magnetic iron oxide based nanoparticles to improve microalgae harvesting in real wastewater. <i>Water Research</i> , 2019, 159, 490-500.	5.3	107
23	Air filled porosity measurements by air pycnometry in the composting process: A review and a correlation analysis. <i>Bioresource Technology</i> , 2009, 100, 2655-2666.	4.8	104
24	Dehydrogenase activity as a method for monitoring the composting process. <i>Bioresource Technology</i> , 2008, 99, 905-908.	4.8	103
25	Greenhouse gas emissions from organic waste composting. <i>Environmental Chemistry Letters</i> , 2015, 13, 223-238.	8.3	103
26	Different Indices to Express Biodegradability in Organic Solid Wastes. <i>Journal of Environmental Quality</i> , 2010, 39, 706-712.	1.0	103
27	Determining C/N ratios for typical organic wastes using biodegradable fractions. <i>Chemosphere</i> , 2011, 85, 653-659.	4.2	102
28	Biofiltration for ammonia removal from composting exhaust gases. <i>Chemical Engineering Journal</i> , 2005, 113, 105-110.	6.6	101
29	Respirometric assays at fixed and process temperatures to monitor composting process. <i>Bioresource Technology</i> , 2005, 96, 1153-1159.	4.8	95
30	Gaseous emissions in municipal wastes composting: Effect of the bulking agent. <i>Bioresource Technology</i> , 2014, 172, 260-268.	4.8	94
31	Anaerobic co-digestion of the organic fraction of municipal solid waste with several pure organic co-substrates. <i>Biosystems Engineering</i> , 2011, 108, 352-360.	1.9	90
32	Production of sophorolipids from winterization oil cake by solid-state fermentation: Optimization, monitoring and effect of mixing. <i>Biochemical Engineering Journal</i> , 2016, 115, 93-100.	1.8	90
33	Environmental impact of two aerobic composting technologies using life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 401-410.	2.2	89
34	Home and vermicomposting as sustainable options for biowaste management. <i>Journal of Cleaner Production</i> , 2013, 47, 70-76.	4.6	85
35	A new control strategy for the composting process based on the oxygen uptake rate. <i>Chemical Engineering Journal</i> , 2010, 165, 161-169.	6.6	82
36	Optimal bulking agent particle size and usage for heat retention and disinfection in domestic wastewater sludge composting. <i>Waste Management</i> , 2007, 27, 1108-1116.	3.7	80

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37	Characterisation of phosphorous forms in wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2003, 97, 193-205.	6.5	79
38	Effects of compost stability and contaminant concentration on the bioremediation of PAHs-contaminated soil through composting. <i>Journal of Hazardous Materials</i> , 2010, 179, 999-1006.	6.5	79
39	A systematic study of the gaseous emissions from biosolids composting: Raw sludge versus anaerobically digested sludge. <i>Bioresource Technology</i> , 2013, 147, 43-51.	4.8	76
40	Use of Fenton reaction for the treatment of leachate from composting of different wastes. <i>Journal of Hazardous Materials</i> , 2006, 138, 201-204.	6.5	69
41	Reactivity of Pure <i>Candida rugosa</i> Lipase Isoenzymes (Lip1, Lip2, and Lip3) in Aqueous and Organic Media. Influence of the Isoenzymatic Profile on the Lipase Performance in Organic Media. <i>Biotechnology Progress</i> , 2008, 20, 65-73.	1.3	67
42	A methodology to determine gaseous emissions in a composting plant. <i>Waste Management</i> , 2009, 29, 2799-2807.	3.7	67
43	Microbial biosurfactants: a review of recent environmental applications. <i>Bioengineered</i> , 2022, 13, 12365-12391.	1.4	67
44	Composting of dewatered wastewater sludge with various ratios of pruning waste used as a bulking agent and monitored by respirometer. <i>Biosystems Engineering</i> , 2009, 102, 433-443.	1.9	64
45	Possibilities of composting disposable diapers with municipal solid wastes. <i>Waste Management and Research</i> , 2011, 29, 249-259.	2.2	64
46	Highly enantioselective esterification of racemic ibuprofen in a packed bed reactor using immobilised <i>Rhizomucor miehei</i> lipase. <i>Enzyme and Microbial Technology</i> , 2000, 27, 157-166.	1.6	63
47	Adsorption process of fluoride from drinking water with magnetic core-shell Ce-Ti@Fe ₃ O ₄ and Ce-Ti oxide nanoparticles. <i>Science of the Total Environment</i> , 2017, 598, 949-958.	3.9	62
48	Performance of compostable baby used diapers in the composting process with the organic fraction of municipal solid waste. <i>Waste Management</i> , 2013, 33, 1097-1103.	3.7	61
49	Bioprocesses for 2-phenylethanol and 2-phenylethyl acetate production: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9991-10004.	1.7	60
50	Towards a competitive solid state fermentation: Cellulases production from coffee husk by sequential batch operation and role of microbial diversity. <i>Science of the Total Environment</i> , 2017, 589, 56-65.	3.9	59
51	A state of the art literature review on anaerobic digestion of food waste: influential operating parameters on methane yield. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 347-360.	3.9	59
52	Detection, Composition and Treatment of Volatile Organic Compounds from Waste Treatment Plants. <i>Sensors</i> , 2011, 11, 4043-4059.	2.1	57
53	Production and characterization of sophorolipids from stearic acid by solid-state fermentation, a cleaner alternative to chemical surfactants. <i>Journal of Cleaner Production</i> , 2018, 172, 2735-2747.	4.6	54
54	Valorisation of digestate from biowaste through solid-state fermentation to obtain value added bioproducts: A first approach. <i>Bioresource Technology</i> , 2019, 271, 409-416.	4.8	54

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55	Valorization of sugarcane bagasse and sugar beet molasses using <i>Kluyveromyces marxianus</i> for producing value-added aroma compounds via solid-state fermentation. <i>Journal of Cleaner Production</i> , 2017, 158, 8-17.	4.6	53
56	Application of residence time distribution technique to the study of the hydrodynamic behaviour of a full-scale wastewater treatment plant plug-flow bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 425-432.	1.6	52
57	A systematic study on the VOCs characterization and odour emissions in a full-scale sewage sludge composting plant. <i>Journal of Hazardous Materials</i> , 2019, 373, 733-740.	6.5	50
58	The effect of the composting time on the gaseous emissions and the compost stability in a full-scale sewage sludge composting plant. <i>Science of the Total Environment</i> , 2019, 654, 311-323.	3.9	50
59	Performance of different systems for the composting of the source-selected organic fraction of municipal solid waste. <i>Biosystems Engineering</i> , 2008, 101, 78-86.	1.9	49
60	A complete mass balance of a complex combined anaerobic/aerobic municipal source-separated waste treatment plant. <i>Waste Management</i> , 2012, 32, 799-805.	3.7	48
61	Cellulase and xylanase production at pilot scale by solid-state fermentation from coffee husk using specialized consortia: The consistency of the process and the microbial communities involved. <i>Bioresource Technology</i> , 2017, 243, 1059-1068.	4.8	48
62	Rice husk as a source for fungal biopesticide production by solid-state fermentation using <i>B. bassiana</i> and <i>T. harzianum</i> . <i>Bioresource Technology</i> , 2020, 296, 122322.	4.8	48
63	Evolution of organic matter in a full-scale composting plant for the treatment of sewage sludge and biowaste by respiration techniques and pyrolysis-GC/MS. <i>Bioresource Technology</i> , 2011, 102, 4536-4543.	4.8	47
64	Co-composting of sewage sludge:fats mixtures and characteristics of the lipases involved. <i>Biochemical Engineering Journal</i> , 2007, 33, 275-283.	1.8	43
65	Substitution of chemical dehairing by proteases from solid-state fermentation of hair wastes. <i>Journal of Cleaner Production</i> , 2014, 74, 191-198.	4.6	43
66	Long term enhanced solid-state fermentation: Inoculation strategies for amylase production from soy and bread wastes by <i>Thermomyces</i> sp. in a sequential batch operation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2394-2401.	3.3	43
67	A Review on Anaerobic Digestion of Lignocellulosic Wastes: Pretreatments and Operational Conditions. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4655.	1.3	43
68	Coupling composting and biofiltration for ammonia and volatile organic compound removal. <i>Biosystems Engineering</i> , 2007, 97, 491-500.	1.9	42
69	Composting of de-inking sludge from the recycled paper manufacturing industry. <i>Bioresource Technology</i> , 2005, 96, 1161-1167.	4.8	41
70	Performance of an industrial biofilter from a composting plant in the removal of ammonia and VOCs after material replacement. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1111-1117.	1.6	41
71	Bioproduction of 2-phenylethanol and 2-phenethyl acetate by <i>Kluyveromyces marxianus</i> through the solid-state fermentation of sugarcane bagasse. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4703-4716.	1.7	41
72	Enhancing the bioproduction of value-added aroma compounds via solid-state fermentation of sugarcane bagasse and sugar beet molasses: Operational strategies and scaling-up of the process. <i>Bioresource Technology</i> , 2018, 263, 136-144.	4.8	39

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73	A review of research trends in the enhancement of biomass-to-hydrogen conversion. <i>Waste Management</i> , 2018, 79, 580-594.	3.7	39
74	Current developments in the production of fungal biological control agents by solid-state fermentation using organic solid waste. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 655-694.	6.6	39
75	Characterization of the lipase and esterase multiple forms in an enzyme preparation from a <i>Candida rugosa</i> pilot-plant scale fed-batch fermentation. <i>Enzyme and Microbial Technology</i> , 1999, 25, 214-223.	1.6	38
76	Technical approach for a sustainable tourism development. Case study in the Balearic Islands. <i>Journal of Cleaner Production</i> , 2008, 16, 860-869.	4.6	37
77	Monitoring the organic matter properties in a combined anaerobic/aerobic full-scale municipal source-separated waste treatment plant. <i>Bioresource Technology</i> , 2010, 101, 6873-6877.	4.8	37
78	A novel strategy for producing compost with enhanced biopesticide properties through solid-state fermentation of biowaste and inoculation with <i>Bacillus thuringiensis</i> . <i>Waste Management</i> , 2017, 70, 53-58.	3.7	37
79	Bioremediation of PAH-Contaminated Soils: Process Enhancement through Composting/Compost. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3684.	1.3	37
80	Prediction of temperature and thermal inertia effect in the maturation stage and stockpiling of a large composting mass. <i>Waste Management</i> , 2006, 26, 953-959.	3.7	36
81	Respirometric screening of several types of manure and mixtures intended for composting. <i>Bioresource Technology</i> , 2011, 102, 1367-1377.	4.8	36
82	Potential of the solid-state fermentation of soy fibre residues by native microbial populations for bench-scale alkaline protease production. <i>Biochemical Engineering Journal</i> , 2013, 74, 15-19.	1.8	36
83	Effect of inoculation dosing on the composting of source-selected organic fraction of municipal solid wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 420-425.	1.6	35
84	Adsorption, absorption, and biological degradation of ammonia in different biofilter organic media. <i>Biotechnology and Bioengineering</i> , 2007, 97, 515-525.	1.7	35
85	Microbial Strategies for Cellulase and Xylanase Production through Solid-State Fermentation of Digestate from Biowaste. <i>Sustainability</i> , 2018, 10, 2433.	1.6	35
86	A controlled fed-batch cultivation for the production of new crude lipases from <i>Candida rugosa</i> with improved properties in fine chemistry. <i>Journal of Biotechnology</i> , 1999, 69, 169-182.	1.9	34
87	Production of lipases by solid state fermentation using vegetable oil-refining wastes. <i>Bioresource Technology</i> , 2011, 102, 10080-10084.	4.8	34
88	Production and recovery of cellulases through solid-state fermentation of selected lignocellulosic wastes. <i>Journal of Cleaner Production</i> , 2019, 209, 937-946.	4.6	34
89	Optimization and enhancement of soil bioremediation by composting using the experimental design technique. <i>Biodegradation</i> , 2010, 21, 345-356.	1.5	33
90	The effect of airflow rates and aeration mode on the respiration activity of four organic wastes: Implications on the composting process. <i>Waste Management</i> , 2017, 65, 22-28.	3.7	33

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91	The effect of storage and mechanical pretreatment on the biological stability of municipal solid wastes. <i>Waste Management</i> , 2010, 30, 441-445.	3.7	32
92	Valorization of soy waste through SSF for the production of compost enriched with <i>Bacillus thuringiensis</i> with biopesticide properties. <i>Journal of Environmental Management</i> , 2016, 169, 126-131.	3.8	32
93	Gaseous Emissions from the Composting Process: Controlling Parameters and Strategies of Mitigation. <i>Processes</i> , 2021, 9, 1844.	1.3	31
94	Influence of different co-substrates biochemical composition on raw sludge co-composting. <i>Biodegradation</i> , 2008, 19, 403-415.	1.5	30
95	Sustained effect of zero-valent iron nanoparticles under semi-continuous anaerobic digestion of sewage sludge: Evolution of nanoparticles and microbial community dynamics. <i>Science of the Total Environment</i> , 2021, 777, 145969.	3.9	30
96	Adding value to home compost: Biopesticide properties through <i>Bacillus thuringiensis</i> inoculation. <i>Waste Management</i> , 2020, 106, 32-43.	3.7	29
97	Application of Experimental Design Technique to the Optimization of Bench-Scale Composting Conditions of Municipal Raw Sludge. <i>Compost Science and Utilization</i> , 2003, 11, 321-329.	1.2	28
98	Preliminary screening of co-substrates for bioremediation of pyrene-contaminated soil through composting. <i>Journal of Hazardous Materials</i> , 2009, 172, 1695-1698.	6.5	28
99	Categorizing Raw Organic Material Biodegradability Via Respiration Activity Measurement: A Review. <i>Compost Science and Utilization</i> , 2011, 19, 105-113.	1.2	28
100	Valorisation of biodiesel production wastes: Anaerobic digestion of residual <i>Tetraselmis suecica</i> biomass and co-digestion with glycerol. <i>Waste Management and Research</i> , 2015, 33, 250-257.	2.2	28
101	Batch anaerobic digestion of deproteinated malt whisky pot ale using different source inocula. <i>Waste Management</i> , 2018, 71, 675-682.	3.7	28
102	Immobilisation of different <i>Candida rugosa</i> lipases by adsorption onto polypropylene powder: application to chiral synthesis of ibuprofen and trans-2-phenyl-1-cyclohexanol esters. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 175-182.	1.6	27
103	GHG emissions during the high-rate production of compost using standard and advanced aeration strategies. <i>Chemosphere</i> , 2014, 109, 64-70.	4.2	27
104	Biodegradation of animal fats in a co-composting process with wastewater sludge. <i>International Biodeterioration and Biodegradation</i> , 2008, 62, 297-303.	1.9	26
105	Gaseous emissions during the solid state fermentation of different wastes for enzyme production at pilot scale. <i>Bioresource Technology</i> , 2015, 179, 211-218.	4.8	25
106	Assessment of protease activity in hydrolysed extracts from SSF of hair waste by and indigenous consortium of microorganisms. <i>Waste Management</i> , 2016, 49, 420-426.	3.7	25
107	Fed-Batch and Sequential-Batch Approaches To Enhance the Bioproduction of 2-Phenylethanol and 2-Phenethyl Acetate in Solid-State Fermentation Residue-Based Systems. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3389-3399.	2.4	25
108	Anaerobic degradation of PAHs in soil: Impacts of concentration and amendment stability on the PAHs degradation and biogas production. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 286-292.	1.9	24

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109	Phosphate removal and recovery from water using nanocomposite of immobilized magnetite nanoparticles on cationic polymer. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2099-2112.	1.2	24
110	Filling in sewage sludge biodrying gaps: Greenhouse gases, volatile organic compounds and odour emissions. <i>Bioresource Technology</i> , 2019, 291, 121857.	4.8	24
111	A kinetic analysis of solid waste composting at optimal conditions. <i>Waste Management</i> , 2007, 27, 854-855.	3.7	23
112	<sc>VOC</sc> emissions from the composting of the organic fraction of municipal solid waste using standard and advanced aeration strategies. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 579-586.	1.6	23
113	Environmental impact of rejected materials generated in organic fraction of municipal solid waste anaerobic digestion plants: Comparison of wet and dry process layout. <i>Waste Management</i> , 2015, 43, 84-97.	3.7	23
114	2-phenylethanol (rose aroma) production potential of an isolated <i>pichia kudriavzevii</i> through solid-state fermentation. <i>Process Biochemistry</i> , 2020, 93, 94-103.	1.8	23
115	Scanning agro-industrial wastes as substrates for fungal biopesticide production: Use of <i>Beauveria bassiana</i> and <i>Trichoderma harzianum</i> in solid-state fermentation. <i>Journal of Environmental Management</i> , 2021, 295, 113113.	3.8	23
116	The use of composting for the treatment of animal by-products: Experiments at lab scale. <i>Journal of Hazardous Materials</i> , 2009, 161, 380-386.	6.5	22
117	Environmental impact of cellulase production from coffee husks by solid-state fermentation: A life-cycle assessment. <i>Journal of Cleaner Production</i> , 2019, 233, 954-962.	4.6	22
118	Characterization of the Gaseous and Odour Emissions from the Composting of Conventional Sewage Sludge. <i>Atmosphere</i> , 2020, 11, 211.	1.0	22
119	Effect of freezing on the conservation of the biological activity of organic solid wastes. <i>Bioresource Technology</i> , 2012, 104, 832-836.	4.8	21
120	The importance of aeration mode and flowrate in the determination of the biological activity and stability of organic wastes by respiration indices. <i>Bioresource Technology</i> , 2015, 196, 256-262.	4.8	21
121	The immobilisation of proteases produced by SSF onto functionalized magnetic nanoparticles: Application in the hydrolysis of different protein sources. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S230-S242.	1.8	21
122	Co-composting of poultry manure with other agricultural wastes: process performance and compost horticultural use. <i>Journal of Material Cycles and Waste Management</i> , 2015, 17, 42-50.	1.6	20
123	Optimization of Down-Stream for Cellulases Produced Under Solid-State Fermentation of Coffee Husk. <i>Waste and Biomass Valorization</i> , 2019, 10, 2761-2772.	1.8	20
124	Composting of Residuals Produced in the Catalan Wine Industry. <i>Compost Science and Utilization</i> , 2005, 13, 168-174.	1.2	19
125	Modelling the aerobic degradation of organic wastes based on slowly and rapidly degradable fractions. <i>Waste Management</i> , 2011, 31, 1472-1479.	3.7	19
126	Agro-wastes and Inert Materials as Supports for the Production of Biosurfactants by Solid-state Fermentation. <i>Waste and Biomass Valorization</i> , 2021, 12, 1963-1976.	1.8	19

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127	Valorization of agro-industrial wastes by producing 2-phenylethanol via solid-state fermentation: Influence of substrate selection on the process. <i>Waste Management</i> , 2021, 121, 403-411.	3.7	19
128	Study of the drop size frequencies in a microbial growth system with an aqueous-organic culture medium: lipase production from <i>Candida rugosa</i> . <i>Journal of Biotechnology</i> , 1998, 59, 183-192.	1.9	18
129	Co-composting of hair waste from the tanning industry with de-inking and municipal wastewater sludges. <i>Biodegradation</i> , 2007, 18, 257-268.	1.5	18
130	Biodegradation Activity of Eight Organic Substrates: A Correlation Study of Different Test Methods. <i>Waste and Biomass Valorization</i> , 2016, 7, 1067-1080.	1.8	18
131	Solid-State Fermentation (SSF) versus Submerged Fermentation (SmF) for the Recovery of Cellulases from Coffee Husks: A Life Cycle Assessment (LCA) Based Comparison. <i>Energies</i> , 2020, 13, 2685.	1.6	18
132	Inoculation effect of thermophilic microorganisms on protease production through solid-state fermentation under non-sterile conditions at lab and bench scale (SSF). <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 585-592.	1.7	17
133	Enzymatic hydrolysis of the organic fraction of municipal solid waste: Optimization and valorization of the solid fraction for <i>Bacillus thuringiensis</i> biopesticide production through solid-state fermentation. <i>Waste Management</i> , 2022, 137, 304-311.	3.7	17
134	Greenhouse Gas from Organic Waste Composting: Emissions and Measurement. <i>Environmental Chemistry for A Sustainable World</i> , 2015, , 33-70.	0.3	16
135	Toward the implementation of new regional biowaste management plans: Environmental assessment of different waste management scenarios in Catalonia. <i>Resources, Conservation and Recycling</i> , 2015, 95, 143-155.	5.3	16
136	Fungal biopesticide production: Process scale-up and sequential batch mode operation with <i>Trichoderma harzianum</i> using agro-industrial solid wastes of different biodegradability. <i>Chemical Engineering Journal</i> , 2021, 425, 131620.	6.6	16
137	Optimization of the Intermittent Aeration in a Full-Scale Wastewater Treatment Plant Biological Reactor for Nitrogen Removal. <i>Water Environment Research</i> , 2005, 77, 229-233.	1.3	15
138	Short-time estimation of biogas and methane potentials from municipal solid wastes. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1121-1124.	1.6	15
139	Influence of mixing ratio and turning frequency on the co-composting of biowaste with sugarcane filter cake: a mixture experimental design. <i>Waste and Biomass Valorization</i> , 2020, 11, 2475-2489.	1.8	15
140	Continuous enantioselective esterification of trans-2-phenyl-1-cyclohexanol using a new <i>Candida rugosa</i> lipase in a packed bed bioreactor. <i>Journal of Biotechnology</i> , 2000, 84, 1-12.	1.9	14
141	Novel magnetic core-shell Ce@Ti@Fe ₃ O ₄ nanoparticles as an adsorbent for water contaminants removal. <i>RSC Advances</i> , 2016, 6, 56913-56917.	1.7	14
142	Conversion of Carbon Dioxide into Methanol Using Cu@Zn Nanostructured Materials as Catalysts. <i>Nanomaterials</i> , 2022, 12, 999.	1.9	13
143	Title is missing!. <i>Biotechnology Letters</i> , 1998, 20, 1145-1148.	1.1	12
144	Biological treatment of the organic fibre from the autoclaving of municipal solid wastes; preliminary results. <i>Biosystems Engineering</i> , 2012, 112, 335-343.	1.9	12

#	ARTICLE	IF	CITATIONS
145	Comparison of compostable bags and aerated bins with conventional storage systems to collect the organic fraction of municipal solid waste from homes. A Catalonia case study. <i>Waste Management</i> , 2013, 33, 1381-1389.	3.7	12
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