

Antoni Sanchez

List of Publications by Year in descending order

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172
papers

8,809
citations

31902

53
h-index

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84
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175
all docs

175
docs citations

175
times ranked

7354
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Organic municipal waste as feedstock for biorefineries: bioconversion technologies integration and challenges. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 247-267.	3.9	8
3	Conversion of Carbon Dioxide into Methanol Using Cu-Zn Nanostructured Materials as Catalysts. <i>Nanomaterials</i> , 2022, 12, 999.	1.9	13
4	Multipoint characterization of the emission of odour, volatile organic compounds and greenhouse gases from a full-scale membrane-based municipal WWTP. <i>Journal of Environmental Management</i> , 2022, 313, 115002.	3.8	5
5	Odors Emitted from Biological Waste and Wastewater Treatment Plants: A Mini-Review. <i>Atmosphere</i> , 2022, 13, 798.	1.0	7
6	Microbial biosurfactants: a review of recent environmental applications. <i>Bioengineered</i> , 2022, 13, 12365-12391.	1.4	67
7	Enhancement of Anaerobic Digestion with Nanomaterials: A Mini Review. <i>Energies</i> , 2022, 15, 5087.	1.6	7
8	Evaluation of Co-Composting as an Alternative for the Use of Agricultural Waste of Spring Onions, Chicken Manure and Bio-Waste Produced in Moorland Ecosystems. <i>Sustainability</i> , 2022, 14, 8720.	1.6	0
9	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
10	Significance of Anaerobic Digestion in Circular Bioeconomy. , 2021, , 269-289.		2
11	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
12	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
13	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
14	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
15	Gaseous Emissions from the Composting Process: Controlling Parameters and Strategies of Mitigation. <i>Processes</i> , 2021, 9, 1844.	1.3	31
16	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
17	A New Approach for the Optimization of Biowaste Composting Using Artificial Neural Networks and Particle Swarm Optimization. <i>Waste and Biomass Valorization</i> , 2020, 11, 3937-3951.	1.8	9
18	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

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19	Recycling of Organic Wastes through Composting: Process Performance and Compost Application in Agriculture. <i>Agronomy</i> , 2020, 10, 1838.	1.3	135
20	Bioremediation of PAH-Contaminated Soils: Process Enhancement through Composting/Compost. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3684.	1.3	37
21	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
22	Adding value to home compost: Biopesticide properties through <i>Bacillus thuringiensis</i> inoculation. <i>Waste Management</i> , 2020, 106, 32-43.	3.7	29
23	Temporal variation of physico-chemical, microbiological, and parasitological properties of poultry manure from two egg production systems. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1140-1151.	1.6	8
24	Characterization of the Gaseous and Odour Emissions from the Composting of Conventional Sewage Sludge. <i>Atmosphere</i> , 2020, 11, 211.	1.0	22
25	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
26	A Life Cycle Assessment on the Dehairing of Rawhides: Chemical Treatment versus Enzymatic Recovery through Solid State Fermentation. <i>Journal of Industrial Ecology</i> , 2019, 23, 361-373.	2.8	5
27	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
28	Filling in sewage sludge biodrying gaps: Greenhouse gases, volatile organic compounds and odour emissions. <i>Bioresource Technology</i> , 2019, 291, 121857.	4.8	24
29	A Multi-criteria Decision Analysis of Co-substrate Selection to Improve Biowaste Composting: a Mathematical Model Applied to Colombia. <i>Environmental Processes</i> , 2019, 6, 673-694.	1.7	7
30	The Current Role of Chemical Engineering in Solving Environmental Problems. <i>Frontiers in Chemical Engineering</i> , 2019, 1, .	1.3	4
31	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
32	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
33	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
34	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
35	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
36	A Review on Anaerobic Digestion of Lignocellulosic Wastes: Pretreatments and Operational Conditions. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4655.	1.3	43

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37	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
38	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
39	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
40	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
41	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
42	Production of proteases from organic wastes by solid-state fermentation: downstream and zero waste strategies. <i>3 Biotech</i> , 2018, 8, 205.	1.1	7
43	Composting of food wastes: Status and challenges. <i>Bioresource Technology</i> , 2018, 248, 57-67.	4.8	374
44	Batch anaerobic digestion of deproteinated malt whisky pot ale using different source inocula. <i>Waste Management</i> , 2018, 71, 675-682.	3.7	28
45	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
46	Bioprocesses for 2-phenylethanol and 2-phenethyl acetate production: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9991-10004.	1.7	60
47	A review of research trends in the enhancement of biomass-to-hydrogen conversion. <i>Waste Management</i> , 2018, 79, 580-594.	3.7	39
48	Microbial Strategies for Cellulase and Xylanase Production through Solid-State Fermentation of Digestate from Biowaste. <i>Sustainability</i> , 2018, 10, 2433.	1.6	35
49	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
50	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
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	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
53	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
54	Effect of air flowrate on the dynamic respiration activity of the raw organic fraction of municipal solid wastes. <i>Bioresource Technology</i> , 2017, 224, 748-752.	4.8	4

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55	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
56	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
57	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
58	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
59	Solid-state fermentation and composting as alternatives to treat hair waste: A life-cycle assessment comparative approach. <i>Waste Management and Research</i> , 2017, 35, 786-790.	2.2	6
60	The Effect of a Short Term Aerobic Pretreatment Step on the Anaerobic Co-digestion of the Organic Fraction of Municipal Solid Wastes: Liquid Extract Addition Versus Solid Phase Addition. <i>Waste and Biomass Valorization</i> , 2017, 8, 1793-1801.	1.8	9
61	Solid-State Fermentation as a Novel Paradigm for Organic Waste Valorization: A Review. <i>Sustainability</i> , 2017, 9, 224.	1.6	131
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Composting of Wastes. <i>Green Chemistry and Chemical Engineering</i> , 2015, , 77-106.	0.0	7
72	Greenhouse gas emissions from organic waste composting. <i>Environmental Chemistry Letters</i> , 2015, 13, 223-238.	8.3	103

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73	Environmental burdens of source-selected biowaste treatments: comparing scenarios to fulfil the European Union landfill directive. The case of Catalonia. <i>Journal of Integrative Environmental Sciences</i> , 2015, 12, 165-187.	1.0	7
74	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
75	Greenhouse Gas from Organic Waste Composting: Emissions and Measurement. <i>Environmental Chemistry for A Sustainable World</i> , 2015, , 33-70.	0.3	16
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	Gaseous emissions in municipal wastes composting: Effect of the bulking agent. <i>Bioresource Technology</i> , 2014, 172, 260-268.	4.8	94
84	Solid-state fermentation of soybean residues for bioflocculant production in a pilot-scale bioreactor system. <i>Water Science and Technology</i> , 2014, 70, 1032-1039.	1.2	7
85	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
86	<scp>VOC</scp> 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
87	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
88	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
89	Home and vermicomposting as sustainable options for biowaste management. <i>Journal of Cleaner Production</i> , 2013, 47, 70-76.	4.6	85
90	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

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91	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
92	A study on Air Filled Porosity evolution in sludge composting. <i>International Journal of Environment and Waste Management</i> , 2012, 9, 56.	0.2	3
93	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
94	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
95	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
96	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
97	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
98	Possibilities of composting disposable diapers with municipal solid wastes. <i>Waste Management and Research</i> , 2011, 29, 249-259.	2.2	64
99	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
100	Production of lipases by solid state fermentation using vegetable oil-refining wastes. <i>Bioresource Technology</i> , 2011, 102, 10080-10084.	4.8	34
101	Determining C/N ratios for typical organic wastes using biodegradable fractions. <i>Chemosphere</i> , 2011, 85, 653-659.	4.2	102
102	Respirometric screening of several types of manure and mixtures intended for composting. <i>Bioresource Technology</i> , 2011, 102, 1367-1377.	4.8	36
103	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
104	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
105	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
106	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
107	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
108	Categorizing Raw Organic Material Biodegradability Via Respiration Activity Measurement: A Review. <i>Compost Science and Utilization</i> , 2011, 19, 105-113.	1.2	28

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109	Detection, Composition and Treatment of Volatile Organic Compounds from Waste Treatment Plants. Sensors, 2011, 11, 4043-4059.	2.1	57
110	Effects of compost stability and contaminant concentration on the bioremediation of PAHs-contaminated soil through composting. Journal of Hazardous Materials, 2010, 179, 999-1006.	6.5	79
111	Optimization and enhancement of soil bioremediation by composting using the experimental design technique. Biodegradation, 2010, 21, 345-356.	1.5	33
112	Environmental assessment of home composting. Resources, Conservation and Recycling, 2010, 54, 893-904.	5.3	124
113	Anaerobic degradation of PAHs in soil: Impacts of concentration and amendment stability on the PAHs degradation and biogas production. International Biodeterioration and Biodegradation, 2010, 64, 286-292.	1.9	24
114	Monitoring the organic matter properties in a combined anaerobic/aerobic full-scale municipal source-separated waste treatment plant. Bioresource Technology, 2010, 101, 6873-6877.	4.8	37
115	The effect of storage and mechanical pretreatment on the biological stability of municipal solid wastes. Waste Management, 2010, 30, 441-445.	3.7	32
116	The use of life cycle assessment for the comparison of biowaste composting at home and full scale. Waste Management, 2010, 30, 983-994.	3.7	164
117	A new control strategy for the composting process based on the oxygen uptake rate. Chemical Engineering Journal, 2010, 165, 161-169.	6.6	82
118	Different Indices to Express Biodegradability in Organic Solid Wastes. Journal of Environmental Quality, 2010, 39, 706-712.	1.0	103
119	Factors Affecting Air Pycnometer Performance For its Use in the Composting Process. Compost Science and Utilization, 2009, 17, 266-275.	1.2	2
120	Performance of an industrial biofilter from a composting plant in the removal of ammonia and VOCs after material replacement. Journal of Chemical Technology and Biotechnology, 2009, 84, 1111-1117.	1.6	41
121	Environmental impact of two aerobic composting technologies using life cycle assessment. International Journal of Life Cycle Assessment, 2009, 14, 401-410.	2.2	89
122	Test methods to aid in the evaluation of the diversion of biodegradable municipal waste (BMW) from landfill. Waste Management, 2009, 29, 2306-2307.	3.7	6
123	A methodology to determine gaseous emissions in a composting plant. Waste Management, 2009, 29, 2799-2807.	3.7	67
124	The use of composting for the treatment of animal by-products: Experiments at lab scale. Journal of Hazardous Materials, 2009, 161, 380-386.	6.5	22
125	In search of a reliable technique for the determination of the biological stability of the organic matter in the mechanical-biological treated waste. Journal of Hazardous Materials, 2009, 162, 1065-1072.	6.5	118
126	Preliminary screening of co-substrates for bioremediation of pyrene-contaminated soil through composting. Journal of Hazardous Materials, 2009, 172, 1695-1698.	6.5	28

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127	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
128	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
129	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
130	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
131	Influence of different co-substrates biochemical composition on raw sludge co-composting. <i>Biodegradation</i> , 2008, 19, 403-415.	1.5	30
132	Levels of ATP in different organic wastes under composting conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1226-1229.	1.6	0
133	Dehydrogenase activity as a method for monitoring the composting process. <i>Bioresource Technology</i> , 2008, 99, 905-908.	4.8	103
134	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
135	Comparison of aerobic and anaerobic stability indices through a MSW biological treatment process. <i>Waste Management</i> , 2008, 28, 2735-2742.	3.7	110
136	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
137	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
138	Full-Scale Cocomposting of Hair Wastes from the Leather Manufacturing Industry and Sewage Sludge. <i>Compost Science and Utilization</i> , 2007, 15, 16-21.	1.2	3
139	Adsorption, absorption, and biological degradation of ammonia in different biofilter organic media. <i>Biotechnology and Bioengineering</i> , 2007, 97, 515-525.	1.7	35
140	A kinetic analysis of solid waste composting at optimal conditions. <i>Waste Management</i> , 2007, 27, 854-855.	3.7	23
141	Coupling composting and biofiltration for ammonia and volatile organic compound removal. <i>Biosystems Engineering</i> , 2007, 97, 491-500.	1.9	42
142	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
143	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
144	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

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145	The use of respiration indices in the composting process: a review. <i>Waste Management and Research</i> , 2006, 24, 37-47.	2.2	212
146	Ammonia emissions from the composting of different organic wastes. Dependency on process temperature. <i>Chemosphere</i> , 2006, 62, 1534-1542.	4.2	269
147	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
148	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
149	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
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