

fabrizio Adani

List of Publications by Year in descending order

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Version: 2024-02-01

215
papers

9,974
citations

20815

60
h-index

51602

86
g-index

218
all docs

218
docs citations

218
times ranked

8932
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversifying the products from the organic fraction of municipal solid waste (OFMSW) by producing polyhydroxyalkanoates from the liquid fraction and biomethane from the residual solid fraction. <i>Bioresource Technology</i> , 2022, 344, 126180.	9.6	6
2	Contribution of <i>Tamarix aphylla</i> to soil organic matter evolution in a natural semi-desert area in Tunisia. <i>Journal of Arid Environments</i> , 2022, 196, 104639.	2.4	3
3	The structure and diversity of microalgae-microbial consortia isolated from various local organic wastes. <i>Bioresource Technology</i> , 2022, 347, 126416.	9.6	7
4	Polyphenol bioactivity evolution during the spontaneous fermentation of vegetal by-products. <i>Food Chemistry</i> , 2022, 374, 131791.	8.2	10
5	Environmental Performance in the Production and Use of Recovered Fertilizers from Organic Wastes Treated by Anaerobic Digestion vs Synthetic Mineral Fertilizers. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 986-997.	6.7	19
6	Growth Performance, Biochemical Composition and Nutrient Recovery Ability of Twelve Microalgae Consortia Isolated from Various Local Organic Wastes Grown on Nano-Filtered Pig Slurry. <i>Molecules</i> , 2022, 27, 422.	3.8	7
7	Using highly stabilized digestate and digestate-derived ammonium sulphate to replace synthetic fertilizers: The effects on soil, environment, and crop production. <i>Science of the Total Environment</i> , 2022, 815, 152919.	8.0	22
8	Brachytic2 mutation is able to counteract the main pleiotropic effects of brown midrib3 mutant in maize. <i>Scientific Reports</i> , 2022, 12, 2446.	3.3	2
9	Assessing the anaerobic degradability and the potential recovery of biomethane from different biodegradable bioplastics in a full-scale approach. <i>Bioresource Technology</i> , 2022, 354, 127224.	9.6	24
10	Performance of a full-scale processing cascade that separates agricultural digestate and its nutrients for agronomic reuse. <i>Separation and Purification Technology</i> , 2022, 297, 121501.	7.9	11
11	Life cycle assessment of Parmigiano Reggiano PDO cheese with product environmental footprint method: A case study implementing improved slurry management strategies. <i>Science of the Total Environment</i> , 2022, 842, 156856.	8.0	5
12	Greenhouse gas emissions from a sandy loam soil amended with digestate-derived biobased fertilisers – A microcosm study. <i>Applied Soil Ecology</i> , 2022, 178, 104577.	4.3	2
13	Sustainable production of microalgae in raceways: Nutrients and water management as key factors influencing environmental impacts. <i>Journal of Cleaner Production</i> , 2021, 287, 125005.	9.3	55
14	Influence of photobioreactor set-up on the survival of microalgae inoculum. <i>Bioresource Technology</i> , 2021, 320, 124408.	9.6	26
15	Solid fraction of separated digestate as soil improver: implications for soil fertility and carbon sequestration. <i>Journal of Soils and Sediments</i> , 2021, 21, 678-688.	3.0	15
16	<i>Arundo donax</i> L. Biomass Production in a Polluted Area: Effects of Two Harvest Timings on Heavy Metals Uptake. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1147.	2.5	23
17	Biorefinery Approach Applied to the Valorization of Purple Corn Cobs. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3781-3791.	6.7	10
18	Thermophilic anaerobic digestion as suitable bioprocess producing organic and chemical renewable fertilizers: A full-scale approach. <i>Waste Management</i> , 2021, 124, 356-367.	7.4	30

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19	Using textile industrial sludge, sewage wastewater, and sewage sludge as inoculum to degrade recalcitrant textile dyes in a co-composting process: an assessment of biodegradation efficiency and compost phytotoxicity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49642-49650.	5.3	4
20	Recovery of phenolic compounds from agro-industrial by-products: Evaluating antiradical activities and immunomodulatory properties. <i>Food and Bioproducts Processing</i> , 2021, 127, 338-348.	3.6	25
21	Consumer Attitudes towards Microalgae Production and Microalgae-Based Agricultural Products: The Cases of Almería (Spain) and Livorno (Italy). <i>ChemEngineering</i> , 2021, 5, 27.	2.4	12
22	Techno-economic assessment at full scale of a biogas refinery plant receiving nitrogen rich feedstock and producing renewable energy and biobased fertilisers. <i>Journal of Cleaner Production</i> , 2021, 308, 127408.	9.3	25
23	Measuring ammonia and odours emissions during full field digestate use in agriculture. <i>Science of the Total Environment</i> , 2021, 782, 146882.	8.0	18
24	Aridity modulates belowground bacterial community dynamics in olive tree. <i>Environmental Microbiology</i> , 2021, 23, 6275-6291.	3.8	7
25	The role of waste management in reducing bioplastics™ leakage into the environment: A review. <i>Bioresource Technology</i> , 2021, 337, 125459.	9.6	66
26	Air side-stream ammonia stripping in a thin film evaporator coupled to high-solid anaerobic digestion of sewage sludge: Process performance and interactions. <i>Journal of Environmental Management</i> , 2021, 295, 113075.	7.8	19
27	Degradation of bioplastics in organic waste by mesophilic anaerobic digestion, composting and soil incubation. <i>Waste Management</i> , 2021, 134, 67-77.	7.4	79
28	Potential of the cyanobacteria <i>Anabaena</i> sp. and <i>Dolichospermum</i> sp. for being produced using wastewater or pig slurry: Validation using pilot-scale raceway reactors. <i>Algal Research</i> , 2021, 60, 102517.	4.6	21
29	Sewage Sludge as N-Fertilizers for Crop Production Enabling the Circular Bioeconomy in Agriculture: A Challenge for the New EU Regulation 1009/2019. <i>Sustainability</i> , 2021, 13, 13165.	3.2	8
30	Development of a tomato pomace biorefinery based on a CO ₂ -supercritical extraction process for the production of a high value lycopene product, bioenergy and digestate. <i>Journal of Cleaner Production</i> , 2020, 243, 118650.	9.3	38
31	Evaluation of ammonia and odour emissions from animal slurry and digestate storage in the Po Valley (Italy). <i>Waste Management</i> , 2020, 103, 296-304.	7.4	42
32	Phosphorus removal from livestock effluents: recent technologies and new perspectives on low-cost strategies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5730-5743.	5.3	28
33	<i>Moringa oleifera</i> Lam. as an energy crop for biogas production in developing countries. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1083-1089.	4.6	5
34	Genetic Improvement of <i>Arundo donax</i> L.: Opportunities and Challenges. <i>Plants</i> , 2020, 9, 1584.	3.5	8
35	<i>Phaeodactylum tricorutum</i> cultivation under mixotrophic conditions with glycerol supplied with ultrafiltered digestate: A simple biorefinery approach recovering C and N. <i>Journal of Biotechnology</i> , 2020, 323, 73-81.	3.8	7
36	Anaerobic digestion of food waste for bio-energy production in China and Southeast Asia: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110138.	16.4	127

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37	Recovering PHA from mixed microbial biomass: Using non-ionic surfactants as a pretreatment step. Separation and Purification Technology, 2020, 253, 117521.	7.9	23
38	High-solid anaerobic digestion of sewage sludge: challenges and opportunities. Applied Energy, 2020, 278, 115608.	10.1	94
39	Implementing polyhydroxyalkanoates production to anaerobic digestion of organic fraction of municipal solid waste to diversify products and increase total energy recovery. Bioresource Technology, 2020, 318, 124270.	9.6	21
40	The distribution of functional N-cycle related genes and ammonia and nitrate nitrogen in soil profiles fertilized with mineral and organic N fertilizer. PLoS ONE, 2020, 15, e0228364.	2.5	11
41	Antioxidant and Anti-Inflammatory Activities of the Crude Extracts of Raw and Fermented Tomato Pomace and Their Correlations with Aglycate-Polyphenols. Antioxidants, 2020, 9, 179.	5.1	26
42	Supercritical CO2 extraction of tomato pomace: Evaluation of the solubility of lycopene in tomato oil as limiting factor of the process performance. Food Chemistry, 2020, 315, 126224.	8.2	21
43	Metal-free activated biochar as an oxygen reduction reaction catalyst in single chamber microbial fuel cells. Journal of Power Sources, 2020, 462, 228183.	7.8	56
44	Phosphorus speciation during anaerobic digestion and subsequent solid/liquid separation. Science of the Total Environment, 2020, 734, 139284.	8.0	26
45	Organic wastes/by-products as alternative to CO2 for producing mixotrophic microalgae enhancing lipid production. Bioprocess and Biosystems Engineering, 2020, 43, 1911-1919.	3.4	5
46	Title is missing!. , 2020, 15, e0228364.		0
47	Title is missing!. , 2020, 15, e0228364.		0
48	Title is missing!. , 2020, 15, e0228364.		0
49	Title is missing!. , 2020, 15, e0228364.		0
50	Bio-hydrogen and bio-methane production from food waste in a two-stage anaerobic digestion process with digestate recirculation. Renewable Energy, 2019, 130, 1108-1115.	8.9	126
51	Improvements to dairy farms for environmental sustainability in Grana Padano and Parmigiano Reggiano production systems. Italian Journal of Animal Science, 2019, 18, 1035-1048.	1.9	25
52	Monitoring microbial communities' dynamics during the start-up of microbial fuel cells by high-throughput screening techniques. Biotechnology Reports (Amsterdam, Netherlands), 2019, 21, e00310.	4.4	21
53	Enhancing hyper-thermophilic hydrolysis pre-treatment of chicken manure for biogas production by in-situ gas phase ammonia stripping. Bioresource Technology, 2019, 287, 121470.	9.6	29
54	Biohydrogen and polyhydroxyalkanoates (PHA) as products of a two-steps bioprocess from deproteinized dairy wastes. Waste Management, 2019, 95, 22-31.	7.4	74

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55	Production and performance of bio-based mineral fertilizers from agricultural waste using ammonia (stripping-)scrubbing technology. <i>Waste Management</i> , 2019, 89, 265-274.	7.4	87
56	Influence of Clonal Variation on the Efficiency of <i>Arundo donax</i> Propagation Methods. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 1449-1457.	5.1	5
57	Measuring the organic amendment properties of the liquid fraction of digestate. <i>Waste Management</i> , 2019, 88, 21-27.	7.4	41
58	Effects of organic loading rate on anaerobic digestion of chicken manure under mesophilic and thermophilic conditions. <i>Renewable Energy</i> , 2019, 139, 242-250.	8.9	60
59	Municipal Waste and Poultry Manure Compost Affect Biomass Production, Nitrate Reductase Activity and Heavy Metals in Tomato Plants. <i>Compost Science and Utilization</i> , 2019, 27, 11-23.	1.2	5
60	Nutrient recovery and energy production from digestate using microbial electrochemical technologies (METs). <i>Journal of Cleaner Production</i> , 2019, 208, 1022-1029.	9.3	37
61	Effect of suspended solids and its role on struvite formation from digested manure. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2758-2765.	3.2	18
62	Anaerobic digestion coupled with digestate injection reduced odour emissions from soil during manure distribution. <i>Science of the Total Environment</i> , 2018, 621, 168-176.	8.0	35
63	The stage of soil development modulates rhizosphere effect along a High Arctic desert chronosequence. <i>ISME Journal</i> , 2018, 12, 1188-1198.	9.8	74
64	Long-term bio-H ₂ and bio-CH ₄ production from food waste in a continuous two-stage system: Energy efficiency and conversion pathways. <i>Bioresource Technology</i> , 2018, 248, 204-213.	9.6	64
65	Including an Odor Impact Potential in Life Cycle Assessment of waste treatment plants. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 2193-2202.	3.5	13
66	Bioconversion of Giant Cane for Integrated Production of Biohydrogen, Carboxylic Acids, and Polyhydroxyalkanoates (PHAs) in a Multistage Biorefinery Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15361-15373.	6.7	29
67	Carbon and nutrient recovery in the cultivation of <i>Chlorella vulgaris</i> : A life cycle assessment approach to comparing environmental performance. <i>Journal of Cleaner Production</i> , 2018, 194, 685-694.	9.3	29
68	Bio-electrorecycling of carbon dioxide into bioplastics. <i>Green Chemistry</i> , 2018, 20, 4058-4066.	9.0	76
69	<i>Arundo donax</i> L. can substitute traditional energy crops for more efficient, environmentally-friendly production of biogas: A Life Cycle Assessment approach. <i>Bioresource Technology</i> , 2018, 267, 249-256.	9.6	35
70	Potential agronomic and environmental properties of thermophilic anaerobically digested municipal sewage sludge measured by an unsupervised and a supervised chemometric approach. <i>Science of the Total Environment</i> , 2018, 637-638, 791-802.	8.0	20
71	Mixotrophic cultivation of <i>Chlorella</i> for local protein production using agro-food by-products. <i>Bioresource Technology</i> , 2017, 230, 82-89.	9.6	62
72	The anaerobic digestion process capability to produce biostimulant: the case study of the dissolved organic matter (DOM) vs. auxin-like property. <i>Science of the Total Environment</i> , 2017, 589, 36-45.	8.0	45

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73	Nitrogen mineralization from digestate in comparison to sewage sludge, compost and urea in a laboratory incubated soil experiment. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 355-365.	1.9	42
74	Pre-treated digestate as culture media for producing algal biomass. <i>Ecological Engineering</i> , 2017, 105, 335-340.	3.6	19
75	Parametric study for the optimization of ionic liquid pretreatment of corn stover. <i>Bioresource Technology</i> , 2017, 241, 627-637.	9.6	35
76	Improving methane production and anaerobic digestion stability of food waste by extracting lipids and mixing it with sewage sludge. <i>Bioresource Technology</i> , 2017, 244, 996-1005.	9.6	38
77	Use of phytoproductivity data in the choice of native plant species to restore a degraded coal mining site amended with a stabilized industrial organic sludge. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24624-24633.	5.3	4
78	Solid and liquid fractionation of digestate: Mass balance, chemical characterization, and agronomic and environmental value. <i>Bioresource Technology</i> , 2017, 243, 1251-1256.	9.6	132
79	Novel Integrated Biorefinery for Olive Mill Waste Management: Utilization of Secondary Waste for Water Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 876-884.	6.7	39
80	Isolation and characterization of surface-active fractions responsible for foam formation during anaerobic digestion of municipal wastes. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 359-365.	2.3	4
81	Power generation using a low-cost sulfated zirconium oxide based cathode in single chamber microbial fuel cells. <i>Journal of Alloys and Compounds</i> , 2017, 693, 170-176.	5.5	34
82	Chemical Characterization and Nematicidal Activity of the Essential Oil of <i>Nepeta nuda</i> L. ssp. <i>pubescens</i> and <i>Nepeta curviflora</i> Boiss. from Lebanon. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2017, 20, 1424-1433.	1.9	12
83	Enhanced polyhydroxyalkanoate (PHA) production from the organic fraction of municipal solid waste by using mixed microbial culture. <i>Biotechnology for Biofuels</i> , 2017, 10, 201.	6.2	96
84	Evaluation of Relationships between Growth Rate, Tree Size, Lignocellulose Composition, and Enzymatic Saccharification in Interspecific <i>Corymbia</i> Hybrids and Parental Taxa. <i>Frontiers in Plant Science</i> , 2016, 7, 1705.	3.6	1
85	Study on the inflorescences of <i>Arundo donax</i> L. clones sampled in Italy. <i>Revista Brasileira De Botanica</i> , 2016, 39, 275-285.	1.3	6
86	Investigating organic molecules responsible of auxin-like activity of humic acid fraction extracted from vermicompost. <i>Science of the Total Environment</i> , 2016, 562, 289-295.	8.0	77
87	The fixed dome digester: An appropriate design for the context of Sub-Sahara Africa?. <i>Biomass and Bioenergy</i> , 2016, 95, 35-44.	5.7	26
88	Anaerobic digestion of straw and corn stover: The effect of biological process optimization and pre-treatment on total bio-methane yield and energy performance. <i>Biotechnology Advances</i> , 2016, 34, 1289-1304.	11.7	144
89	Giant cane (<i>Arundo donax</i> L.) for biogas production: The effect of two ensilage methods on biomass characteristics and biogas potential. <i>Biomass and Bioenergy</i> , 2016, 93, 131-136.	5.7	24
90	Giant cane (<i>Arundo donax</i> L.) can substitute traditional energy crops in producing energy by anaerobic digestion, reducing surface area and costs: A full-scale approach. <i>Bioresource Technology</i> , 2016, 218, 826-832.	9.6	17

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91	Dark fermentation, anaerobic digestion and microbial fuel cells: An integrated system to valorize swine manure and rice bran. <i>Waste Management</i> , 2016, 56, 519-529.	7.4	54
92	Polyhydroxyalkanoates (PHAs) production from fermented cheese whey by using a mixed microbial culture. <i>Bioresource Technology</i> , 2016, 218, 692-699.	9.6	129
93	Sugars Production for Green Chemistry from 2 nd Generation Crop (Arundo donax) Tj ETQq1 1 0.784314 rgBT /Over 1.5	1.5	4
94	Bio-hydrolysis and bio-hydrogen production from food waste by thermophilic and hyperthermophilic anaerobic process. <i>Bioresource Technology</i> , 2016, 216, 768-777.	9.6	60
95	Chlorpyrifos-methyl solubilisation by humic acids used as bio-surfactants extracted from lignocelluloses and kitchen wastes. <i>Chemosphere</i> , 2016, 159, 208-213.	8.2	16
96	Phosphatase activity and its relationship with physical and chemical parameters during vermicomposting of filter cake and cattle manure. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1223-1230.	3.5	21
97	A simplified process of swine slurry treatment by primary filtration and <i>Haematococcus pluvialis</i> culture to produce low cost astaxanthin. <i>Ecological Engineering</i> , 2016, 90, 244-250.	3.6	35
98	Short-term experiments in using digestate products as substitutes for mineral (N) fertilizer: Agronomic performance, odours, and ammonia emission impacts. <i>Science of the Total Environment</i> , 2016, 547, 206-214.	8.0	144
99	Use of agro-industrial organic sludge amendment to remediate degraded soil: chemical and eco(genotoxicological) differences between fresh and stabilized sludge and establishment of application rates. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3018-3025.	5.3	11
100	Integration of microalgae production with anaerobic digestion of dairy cattle manure: an overall mass and energy balance of the process. <i>Journal of Cleaner Production</i> , 2016, 112, 103-112.	9.3	63
101	First-principles models and sensitivity analysis for the lignocellulosic biomass-to-methanol conversion process. <i>Computers and Chemical Engineering</i> , 2016, 84, 558-567.	3.8	14
102	Dark fermentation effectiveness as a key step for waste biomass refineries: influence of organic matter macromolecular composition and bioavailability. <i>International Journal of Energy Research</i> , 2015, 39, 1519-1527.	4.5	11
103	An integrated biorefinery concept for olive mill waste management: supercritical CO ₂ extraction and energy recovery. <i>Green Chemistry</i> , 2015, 17, 2874-2887.	9.0	54
104	New energy crop giant cane (<i>Arundo donax</i> L.) can substitute traditional energy crops increasing biogas yield and reducing costs. <i>Bioresource Technology</i> , 2015, 191, 197-204.	9.6	56
105	Comparison of different pretreatments for the production of bioethanol and biomethane from corn stover and switchgrass. <i>Bioresource Technology</i> , 2015, 183, 101-110.	9.6	65
106	Evaluation of hormone-like activity of the dissolved organic matter fraction (DOM) of compost and digestate. <i>Science of the Total Environment</i> , 2015, 514, 314-321.	8.0	60
107	Domestic low-tech anaerobic digesters in GuinÃ©-Bissau: a bench-scale preliminary study on locally available waste and wastewater. <i>Environment, Development and Sustainability</i> , 2015, 17, 1227-1241.	5.0	2
108	The role of biological processes in reducing both odor impact and pathogen content during mesophilic anaerobic digestion. <i>Science of the Total Environment</i> , 2015, 526, 116-126.	8.0	90

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109	Utilization of centrate from wastewater treatment for the outdoor production of <i>Nannochloropsis gaditana</i> biomass at pilot-scale. <i>Algal Research</i> , 2015, 12, 17-25.	4.6	84
110	Production of wild <i>Chlorella</i> sp. cultivated in digested and membrane-pretreated swine manure derived from a full-scale operation plant. <i>Algal Research</i> , 2015, 12, 68-73.	4.6	37
111	Composting of the solid fraction of digestate derived from pig slurry: Biological processes and compost properties. <i>Waste Management</i> , 2015, 35, 55-61.	7.4	89
112	Electricity generation using white and red wine lees in air cathode microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 274, 393-399.	7.8	58
113	Biogas from dedicated energy crops in Northern Italy: electric energy generation costs. <i>GCB Bioenergy</i> , 2015, 7, 899-908.	5.6	35
114	Integrating the Concept of Bio-Refinery onto the Biogas Field: the BIOREFILL Strategy. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 1513-1518.	0.5	2
115	Expression of <i>Arabidopsis thaliana</i> S-ACP-DES3 in <i>Escherichia coli</i> for high-performance biodiesel production. <i>RSC Advances</i> , 2014, 4, 63387-63392.	3.6	1
116	Sanitation ability of anaerobic digestion performed at different temperature on sewage sludge. <i>Science of the Total Environment</i> , 2014, 466-467, 888-897.	8.0	70
117	Can two-stage instead of one-stage anaerobic digestion really increase energy recovery from biomass?. <i>Applied Energy</i> , 2014, 124, 335-342.	10.1	149
118	Genetic characterization of an Italian Giant Reed (<i>Arundo donax</i> L.) clones collection: exploiting clonal selection. <i>Euphytica</i> , 2014, 196, 169-181.	1.2	43
119	Nanoscale structure of organic matter could explain litter decomposition. <i>Biogeochemistry</i> , 2014, 117, 313-324.	3.5	11
120	Production costs and operative margins in electric energy generation from biogas. Full-scale case studies in Italy. <i>Waste Management</i> , 2014, 34, 1429-1435.	7.4	29
121	<i>Arundo donax</i> L.: A non-food crop for bioenergy and bio-compound production. <i>Biotechnology Advances</i> , 2014, 32, 1535-1549.	11.7	151
122	Hydrophilic and hydrophobic fractions of water-soluble organic matter in digestates obtained from different organic wastes. <i>International Biodeterioration and Biodegradation</i> , 2014, 94, 73-78.	3.9	9
123	Degradation of aflatoxin B1 during anaerobic digestion and its effect on process stability. <i>International Biodeterioration and Biodegradation</i> , 2014, 94, 19-23.	3.9	22
124	Iron chelates as low-cost and effective electrocatalyst for oxygen reduction reaction in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 6462-6469.	7.1	61
125	Short mechanical biological treatment of municipal solid waste allows landfill impact reduction saving waste energy content. <i>Bioresource Technology</i> , 2013, 143, 131-138.	9.6	27
126	The use of the dynamic respiration index to predict the potential MSW-leachate impacts after short term mechanical biological treatment. <i>Bioresource Technology</i> , 2013, 128, 351-358.	9.6	20

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127	Cr(VI) reduction capability of humic acid extracted from the organic component of municipal solid waste. <i>Journal of Environmental Sciences</i> , 2013, 25, 487-494.	6.1	23
128	Using olive mill wastewater to improve performance in producing electricity from domestic wastewater by using single-chamber microbial fuel cell. <i>Bioresource Technology</i> , 2013, 147, 246-253.	9.6	79
129	Organic matter characterization during the anaerobic digestion of different biomasses by means of CPMAS 13C NMR spectroscopy. <i>Biomass and Bioenergy</i> , 2013, 48, 111-120.	5.7	54
130	Mechanical biological treatment of organic fraction of MSW affected dissolved organic matter evolution in simulated landfill. <i>Bioresource Technology</i> , 2013, 142, 115-120.	9.6	18
131	Nitrogen and water recovery from animal slurries by a new integrated ultrafiltration, reverse osmosis and cold stripping process: A case study. <i>Water Research</i> , 2013, 47, 6157-6166.	11.3	138
132	Microbial community structure and dynamics in two-stage vs single-stage thermophilic anaerobic digestion of mixed swine slurry and market bio-waste. <i>Water Research</i> , 2013, 47, 1983-1995.	11.3	72
133	Two-Stage vs Single-Stage Thermophilic Anaerobic Digestion: Comparison of Energy Production and Biodegradation Efficiencies. <i>Environmental Science & Technology</i> , 2012, 46, 8502-8510.	10.0	147
134	Exploring the effect of different plant lignin content and composition on ionic liquid pretreatment efficiency and enzymatic saccharification of <i>Eucalyptus globulus</i> L. mutants. <i>Bioresource Technology</i> , 2012, 117, 352-359.	9.6	89
135	Nanoscale Structure of the Cell Wall Protecting Cellulose from Enzyme Attack. <i>Environmental Science & Technology</i> , 2011, 45, 1107-1113.	10.0	86
136	Precision determination for the dynamic respirometric index (DRI) method used for biological stability evaluation on municipal solid waste and derived products. <i>Waste Management</i> , 2011, 31, 2-9.	7.4	31
137	Biohydrogen from thermophilic co-fermentation of swine manure with fruit and vegetable waste: Maximizing stable production without pH control. <i>Bioresource Technology</i> , 2011, 102, 8582-8588.	9.6	105
138	Looking for practical tools to achieve next-future applicability of dark fermentation to produce bio-hydrogen from organic materials in Continuously Stirred Tank Reactors. <i>Bioresource Technology</i> , 2011, 102, 7910-7916.	9.6	8
139	On-field study of anaerobic digestion full-scale plants (Part I): An on-field methodology to determine mass, carbon and nutrients balance. <i>Bioresource Technology</i> , 2011, 102, 7737-7744.	9.6	61
140	On-field study of anaerobic digestion full-scale plants (Part II): New approaches in monitoring and evaluating process efficiency. <i>Bioresource Technology</i> , 2011, 102, 8814-8819.	9.6	30
141	Perspective on the use of humic acids from biomass as natural surfactants for industrial applications. <i>Biotechnology Advances</i> , 2011, 29, 913-922.	11.7	92
142	Intra- and inter-laboratory variability in Real Dynamic Respiration Index (RDRI) method used to evaluate the potential rate of microbial self heating of solid recovered fuel. <i>Bioresource Technology</i> , 2011, 102, 3591-3594.	9.6	5
143	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.	9.6	47
144	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.	9.6	156

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145	Effects of biodyring process on municipal solid waste properties. <i>Bioresource Technology</i> , 2011, 102, 7443-7450.	9.6	83
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