

Giuliana D'Imporzano

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,672
citations

218662

26
h-index

302107

39
g-index

40
all docs

40
docs citations

40
times ranked

3007
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The structure and diversity of microalgae-microbial consortia isolated from various local organic wastes. <i>Bioresource Technology</i> , 2022, 347, 126416. | 9.6 | 7 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Profiling microalgal cultures growing on municipal wastewater and fertilizer media in raceway photobioreactors. <i>Bioresource Technology</i> , 2022, 360, 127619. | 9.6 | 4 |
| 6 | 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 |
| 7 | Influence of photobioreactor set-up on the survival of microalgae inoculum. <i>Bioresource Technology</i> , 2021, 320, 124408. | 9.6 | 26 |
| 8 | <i>Phaeodactylum tricornutum</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 |
| 9 | 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 |
| 10 | Implementing polyhydroxyalkanoates production to anaerobic digestion of organic fraction of municipal solid waste to diversify products and increase total energy recovery. <i>Bioresource Technology</i> , 2020, 318, 124270. | 9.6 | 21 |
| 11 | Phosphorus speciation during anaerobic digestion and subsequent solid/liquid separation. <i>Science of the Total Environment</i> , 2020, 734, 139284. | 8.0 | 26 |
| 12 | Organic wastes/by-products as alternative to CO ₂ for producing mixotrophic microalgae enhancing lipid production. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1911-1919. | 3.4 | 5 |
| 13 | Improvements to dairy farms for environmental sustainability in Grana Padano and Parmigiano Reggiano production systems. <i>Italian Journal of Animal Science</i> , 2019, 18, 1035-1048. | 1.9 | 25 |
| 14 | Biohydrogen and polyhydroxyalkanoates (PHA) as products of a two-steps bioprocess from deproteinized dairy wastes. <i>Waste Management</i> , 2019, 95, 22-31. | 7.4 | 74 |
| 15 | 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 |
| 16 | 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 |
| 17 | <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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Biogas from dedicated energy crops in Northern Italy: electric energy generation costs. <i>GCB Bioenergy</i> , 2015, 7, 899-908. | 5.6 | 35 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Nanoscale Structure of the Cell Wall Protecting Cellulose from Enzyme Attack. <i>Environmental Science & Technology</i> , 2011, 45, 1107-1113. | 10.0 | 86 |
| 29 | 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 |
| 30 | 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 |
| 31 | Assessing amendment and fertilizing properties of digestates from anaerobic digestion through a comparative study with digested sludge and compost. <i>Chemosphere</i> , 2010, 81, 577-583. | 8.2 | 384 |
| 32 | Estimating biogas production of biologically treated municipal solid waste. <i>Bioresource Technology</i> , 2010, 101, 945-952. | 9.6 | 65 |
| 33 | Evaluating inhibition conditions in high-solids anaerobic digestion of organic fraction of municipal solid waste. <i>Bioresource Technology</i> , 2010, 101, 5728-5732. | 9.6 | 85 |
| 34 | Assessing amendment properties of digestate by studying the organic matter composition and the degree of biological stability during the anaerobic digestion of the organic fraction of MSW. <i>Bioresource Technology</i> , 2009, 100, 3140-3142. | 9.6 | 275 |
| 35 | Substituting energy crops with organic wastes and agro-industrial residues for biogas production. <i>Journal of Environmental Management</i> , 2009, 90, 2537-2541. | 7.8 | 100 |
| 36 | In search of a reliable technique for the determination of the biological stability of the organic matter in the mechanically biological treated waste. <i>Journal of Hazardous Materials</i> , 2009, 162, 1065-1072. | 12.4 | 118 |

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|----|---|-----|-----------|
| 37 | Prediction of biogas potentials using quick laboratory analyses: Upgrading previous models for application to heterogeneous organic matrices. <i>Bioresource Technology</i> , 2009, 100, 5777-5782. | 9.6 | 50 |
| 38 | Predicting anaerobic biogasification potential of ingestates and digestates of a full-scale biogas plant using chemical and biological parameters. <i>Bioresource Technology</i> , 2008, 99, 8112-8117. | 9.6 | 113 |
| 39 | Biological compost stability influences odor molecules production measured by electronic nose during food-waste high-rate composting. <i>Science of the Total Environment</i> , 2008, 402, 278-284. | 8.0 | 58 |