# Giuliana D'Imporzano

List of Publications by Year
in descending order



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|---|---|---|---|
| 39 papers | 2,672 citations | 218677 26 h-index | 302126 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. Bioresource Technology, 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. ACS Sustainable Chemistry and Engineering, 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. Molecules, 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. Science of the Total Environment, 2022, 842, 156856. | 8.0 | 5 |
| 5 | Profiling microalgal cultures growing on municipal wastewater and fertilizer media in raceway photobioreactors. Bioresource Technology, 2022, 360, 127619. | 9.6 | 4 |
| 6 | Sustainable production of microalgae in raceways: Nutrients and water management as key factors influencing environmental impacts. Journal of Cleaner Production, 2021, 287, 125005. | 9.3 | 55 |
| 7 | Influence of photobioreactor set-up on the survival of microalgae inoculum. Bioresource Technology, 2021, 320, 124408. | 9.6 | 26 |
| 8 | Phaeodactylum tricornutum cultivation under mixotrophic conditions with glycerol supplied with ultrafiltered digestate: A simple biorefinery approach recovering C and N. Journal of Biotechnology, 2020, 323, 73-81. | 3.8 | 7 |
| 9 | Anaerobic digestion of food waste for bio-energy production in China and Southeast Asia: A review. Renewable and Sustainable Energy Reviews, 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. Bioresource Technology, 2020, 318, 124270. | 9.6 | 21 |
| 11 | Phosphorus speciation during anaerobic digestion and subsequent solid/liquid separation. Science of the Total Environment, 2020, 734, 139284. | 8.0 | 26 |
| 12 | 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 |
| 13 | 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 |
| 14 | Biohydrogen and polyhydroxyalkanoates (PHA) as products of a two-steps bioprocess from deproteinized dairy wastes. Waste Management, 2019, 95, 22-31. | 7.4 | 74 |
| 15 | Anaerobic digestion coupled with digestate injection reduced odour emissions from soil during manure distribution. Science of the Total Environment, 2018, 621, 168-176. | 8.0 | 35 |
| 16 | Carbon and nutrient recovery in the cultivation of Chlorella vulgaris: A life cycle assessment approach to comparing environmental performance. Journal of Cleaner Production, 2018, 194, 685-694. | 9.3 | 29 |
| 17 | Arundo donax L. can substitute traditional energy crops for more efficient, environmentally-friendly production of biogas: A Life Cycle Assessment approach. Bioresource Technology, 2018, 267, 249-256. | 9.6 | 35 |
| 18 | Mixotrophic cultivation of Chlorella for local protein production using agro-food by-products. Bioresource Technology, 2017, 230, 82-89. | 9.6 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Solid and liquid fractionation of digestate: Mass balance, chemical characterization, and agronomic and environmental value. Bioresource Technology, 2017, 243, 1251-1256. | 9.6 | 132 |
| 20 | Isolation and characterization of surfaceâ€active fractions responsible for foam formation during anaerobic digestion of municipal wastes. Environmental Progress and Sustainable Energy, 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. Biotechnology for Biofuels, 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. Biotechnology Advances, 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. Science of the Total Environment, 2016, 547, 206-214. | 8.0 | 144 |
| 24 | Biogas from dedicated energy crops in Northern Italy: electric energy generation costs. GCB Bioenergy, 2015, 7, 899-908. | 5.6 | 35 |
| 25 | Sanitation ability of anaerobic digestion performed at different temperature on sewage sludge. Science of the Total Environment, 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. Waste Management, 2014, 34, 1429-1435. | 7.4 | 29 |
| 27 | Degradation of aflatoxin B1 during anaerobic digestion and its effect on process stability. International Biodeterioration and Biodegradation, 2014, 94, 19-23. | 3.9 | 22 |
| 28 | Nanoscale Structure of the Cell Wall Protecting Cellulose from Enzyme Attack. Environmental Science & Technology, 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. Bioresource Technology, 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. Bioresource Technology, 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. Chemosphere, 2010, 81, 577-583. | 8.2 | 384 |
| 32 | Estimating biogas production of biologically treated municipal solid waste. Bioresource Technology, 2010, 101, 945-952. | 9.6 | 65 |
| 33 | Evaluating inhibition conditions in high-solids anaerobic digestion of organic fraction of municipal solid waste. Bioresource Technology, 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. Bioresource Technology, 2009, 100, 3140-3142. | 9.6 | 275 |
| 35 | Substituting energy crops with organic wastes and agro-industrial residues for biogas production. Journal of Environmental Management, 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 mechanicalâ€"biological treated waste. Journal of Hazardous Materials, 2009, 162, 1065-1072. | 12.4 | 118 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Prediction of biogas potentials using quick laboratory analyses: Upgrading previous models for application to heterogeneous organic matrices. Bioresource Technology, 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. Bioresource Technology, 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. Science of the Total Environment, 2008, 402, 278-284. | 8.0 | 58 |