

Francesco Degli-Innocenti

List of Publications by Year in descending order

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38
papers

1,572
citations

304743

22
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

1474
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradation rate of biodegradable plastics at molecular level. <i>Polymer Degradation and Stability</i> , 2018, 147, 237-244.	5.8	202
2	Laboratory Test Methods to Determine the Degradation of Plastics in Marine Environmental Conditions. <i>Frontiers in Microbiology</i> , 2012, 3, 225.	3.5	147
3	Isolation of new white collar mutants of <i>Neurospora crassa</i> and studies on their behavior in the blue light-induced formation of protoperithecia. <i>Journal of Bacteriology</i> , 1984, 159, 757-761.	2.2	121
4	Biodegradation of plastics in soil: The effect of temperature. <i>Polymer Degradation and Stability</i> , 2019, 170, 109017.	5.8	103
5	PHOTOINDUCTION OF PROTOPERITHECIA IN <i>NEUROSPORA CRASSA</i> BY BLUE LIGHT. <i>Photochemistry and Photobiology</i> , 1983, 37, 49-51.	2.5	99
6	Environmental profile of a bio-based and biodegradable foamed packaging prototype in comparison with the current benchmark. <i>Journal of Cleaner Production</i> , 2015, 102, 493-500.	9.3	70
7	Biodegradation kinetics in soil of a multi-constituent biodegradable plastic. <i>Polymer Degradation and Stability</i> , 2019, 166, 213-218.	5.8	61
8	Biodegradation of plastics in soil and effects on nitrification activity. A laboratory approach. <i>Frontiers in Microbiology</i> , 2014, 5, 710.	3.5	59
9	Detection of toxicity released by biodegradable plastics after composting in activated vermiculite. <i>Polymer Degradation and Stability</i> , 2001, 73, 101-106.	5.8	52
10	Activated vermiculite, a solid bed for testing biodegradability under composting conditions. <i>Polymer Degradation and Stability</i> , 1999, 66, 65-79.	5.8	51
11	Influence of inocula on the results of biodegradation tests. <i>Polymer Degradation and Stability</i> , 2005, 87, 51-56.	5.8	51
12	Compostable cutlery and waste management: An LCA approach. <i>Waste Management</i> , 2009, 29, 1424-1433.	7.4	49
13	Bioplastics from renewable resources: the benefits of biodegradability. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, S301.	1.5	42
14	Intrinsic Biodegradability of Plastics and Ecological Risk in the Case of Leakage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9239-9249.	6.7	42
15	Evaluation of the Biodegradation of Starch and Cellulose Under Controlled Composting Conditions. <i>Journal of Polymers and the Environment</i> , 1998, 6, 197-202.	5.0	37
16	Effect of the composting substrate on biodegradation of solid materials under controlled composting conditions. <i>Journal of Polymers and the Environment</i> , 1996, 4, 55-63.	0.6	36
17	The test method of composting in vermiculite is unaffected by the priming effect. <i>Polymer Degradation and Stability</i> , 2000, 69, 113-120.	5.8	28
18	Survival of <i>Agrobacterium radiobacter</i> K84 on various carriers for crown gall control. <i>Applied and Environmental Microbiology</i> , 1991, 57, 2047-2051.	3.1	28

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19	Assessing and mitigating the harmful effects of plastic pollution: the collective multi-stakeholder driven Euro-Mediterranean response. <i>Ocean and Coastal Management</i> , 2020, 184, 105005.	4.4	27
20	Kinetics of monomer biodegradation in soil. <i>Journal of Environmental Management</i> , 2012, 93, 31-37.	7.8	25
21	Biodegradation of plastics and ecotoxicity testing: when should it be done. <i>Frontiers in Microbiology</i> , 2014, 5, 475.	3.5	25
22	Monitoring biodegradation of poly(butylene sebacate) by Gel Permeation Chromatography, 1H-NMR and 31P-NMR techniques. <i>Journal of Environmental Management</i> , 2013, 116, 27-35.	7.8	24
23	Mineralization of Monomeric Components of Biodegradable Plastics in Preconditioned and Enriched Sandy Loam Soil Under Laboratory Conditions. <i>Water, Air, and Soil Pollution</i> , 2011, 221, 245-254.	2.4	23
24	Title is missing!. <i>Journal of Polymers and the Environment</i> , 1998, 6, 79-90.	5.0	20
25	Disintegration and mineralization of mulch films and leaf litter in soil. <i>Polymer Degradation and Stability</i> , 2020, 179, 109309.	5.8	20
26	Influence of photo-oxidation on the performance and soil degradation of oxo- and biodegradable polymer-based items for agricultural applications. <i>Polymer Degradation and Stability</i> , 2021, 188, 109578.	5.8	20
27	Conidia induce the formation of protoperithecia in <i>Neurospora crassa</i> : further characterization of white collar mutants. <i>Journal of Bacteriology</i> , 1984, 159, 808-810.	2.2	19
28	Role of nitrogen in the photoinduction of protoperithecia and carotenoids in <i>Neurospora crassa</i> . <i>Planta</i> , 1987, 170, 205-208.	3.2	17
29	Factors affecting the range of pH gradients in the isoelectric focusing dimension of two-dimensional gel electrophoresis: The effects of reservoir electrolytes and loading procedures. <i>Electrophoresis</i> , 1985, 6, 339-348.	2.4	14
30	Identification of microbial isolates by DNA fingerprinting: analysis of ATCC <i>Zymomonas</i> strains. <i>Journal of Biotechnology</i> , 1990, 13, 335-346.	3.8	13
31	Hazard profiling of compostable shopping bags. Towards an ecological risk assessment of littering. <i>Polymer Degradation and Stability</i> , 2021, 188, 109592.	5.8	11
32	Is composting of packaging real recycling?. <i>Waste Management</i> , 2021, 130, 61-64.	7.4	11
33	Analysis of the microplastic emission potential of a starch-based biodegradable plastic material. <i>Polymer Degradation and Stability</i> , 2022, 199, 109934.	5.8	11
34	A screening model for fate and transport of biodegradable polyesters in soil. <i>Journal of Environmental Management</i> , 2008, 88, 1078-1087.	7.8	5
35	Effect of carbon dioxide on differentiation and on the level of a soluble b-type cytochrome in <i>Phycomyces blakesleanus</i> . <i>Planta</i> , 1983, 158, 51-53.	3.2	3
36	Letter to the editor regarding the article "Evaluation of the phytotoxicity of conventional and biodegradable plastic bags using seed germination tests" by Balestri et al., published on <i>Ecological Indicators</i> 102(2019):569-580. <i>Ecological Indicators</i> , 2019, 107, 105601.	6.3	3

#	ARTICLE	IF	CITATIONS
37	Use of MATER-BI ZF03U Biodegradable Bags in Source-separated Collection and Composting of Organic Waste. , 1996, , 1343-1345.		2
38	Biodegradable Plastics Do not Form Chemically Persistent Microplastics. Springer Water, 2020, , 82-88.	0.3	1