Alessandro D'Annibale

List of Publications by Year
in descending order

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94 papers	4,553 citations	101543 36 h-index	106344 65 g-index
97 all docs	97 docs citations	97 times ranked	4812 citing authors

#	Article	IF	Citations
1	Applications of laccases and tyrosinases (phenoloxidases) immobilized on different supports: a review. Enzyme and Microbial Technology, 2002, 31, 907-931.	3.2	674
2	Reduction of the phenolic components in olive-mill wastewater by an enzymatic treatment and its impact on durum wheat (Triticum durum Desf.) germinability. Chemosphere, 2003, 50, 959-966.	8.2	235
3	Role of Autochthonous Filamentous Fungi in Bioremediation of a Soil Historically Contaminated with Aromatic Hydrocarbons. Applied and Environmental Microbiology, 2006, 72, 28-36.	3.1	153
4	Oxirane-immobilized Lentinula edodes laccase: stability and phenolics removal efficiency in olive mill wastewater. Journal of Biotechnology, 2000, 77, 265-273.	3.8	149
5	Characterization of immobilized laccase from Lentinula edodes and its use in olive-mill wastewater treatment. Process Biochemistry, 1999, 34, 697-706.	3.7	146
6	Olive-mill wastewaters: a promising substrate for microbial lipase production. Bioresource Technology, 2006, 97, 1828-1833.	9.6	132
7	Submerged and solid-state production of laccase and Mn-peroxidase by on olive mill wastewater-based media. Journal of Biotechnology, 2003, 100, 77-85.	3.8	120
8	Bioremediation of long-term PCB-contaminated soil by white-rot fungi. Journal of Hazardous Materials, 2017, 324, 701-710.	12.4	118
9	An assessment of the relative contributions of redox and steric issues to laccase specificity towards putative substrates. Organic and Biomolecular Chemistry, 2008, 6, 868.	2.8	104
10	The biodegradation of recalcitrant effluents from an olive mill by a white-rot fungus. Journal of Biotechnology, 1998, 61, 209-218.	3.8	102
11	Comparative assessment of bioremediation approaches to highly recalcitrant PAH degradation in a real industrial polluted soil. Journal of Hazardous Materials, 2013, 248-249, 407-414.	12.4	97
12	Panus tigrinus efficiently removes phenols, color and organic load from olive-mill wastewater. Research in Microbiology, 2004, 155, 596-603.	2.1	88
13	Lentinula edodes removes phenols from olive-mill wastewater: impact on durum wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 1	8.2	86
14	Preparation of Lignin Nanoparticles from Wood Waste for Wood Surface Treatment. Nanomaterials, 2019, 9, 281.	4.1	79
15	Degradation of aromatic hydrocarbons by whiteâ€rot fungi in a historically contaminated soil. Biotechnology and Bioengineering, 2005, 90, 723-731.	3.3	77
16	Implications of polluted soil biostimulation and bioaugmentation with spent mushroom substrate () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 biodegradation. Science of the Total Environment, 2015, 508, 20-28.	8.0	75
17	Olive oil mill wastewater valorisation by fungi. Journal of Chemical Technology and Biotechnology, 2006, 81, 1547-1555.	3.2	74
18	Bioavailability modification and fungal biodegradation of PAHs in aged industrial soils. International Biodeterioration and Biodegradation, 2007, 60, 165-170.	3.9	65

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19	Assessment of olive-mill wastewater as a growth medium for lipase production by Candida cylindracea in bench-top reactor. Bioresource Technology, 2009, 100, 3395-3402.	9.6	63
20	Pyrosequencing reveals the effect of mobilizing agents and lignocellulosic substrate amendment on microbial community composition in a real industrial PAH-polluted soil. Journal of Hazardous Materials, 2015, 283, 35-43.	12.4	62
21	Production, purification and partial characterisation of a novel laccase from the white-rot fungus Panus tigrinus CBS 577.79. Antonie Van Leeuwenhoek, 2006, 91, 57-69.	1.7	60
22	Degradation of tetracyclines and sulfonamides by stevensiteâ€•and biocharâ€•immobilized laccase systems and impact on residual antibiotic activity. Journal of Chemical Technology and Biotechnology, 2018, 93, 3394-3409.	3.2	60
23	A sustainable use of Ricotta Cheese Whey for microbial biodiesel production. Science of the Total Environment, 2017, 584-585, 554-560.	8.0	59
24	In vivo and in vitro polycyclic aromatic hydrocarbons degradation by Lentinus (Panus) tigrinus CBS 577.79. Bioresource Technology, 2010, 101, 3004-3012.	9.6	56
25	Correlated effects during the bioconversion of waste olive waters by Lentinus edodes. Bioresource Technology, 1995, 51, 221-226.	9.6	54
26	In search for practical advantages from the immobilisation of an enzyme: the case of laccase. Journal of Molecular Catalysis B: Enzymatic, 2006, 41, 61-69.	1.8	54
27	Enzyme and fungal treatments and a combination thereof reduce olive mill wastewater phytotoxicity on Zea mays L. seeds. Chemosphere, 2007, 66, 1627-1633.	8.2	54
28	Short-term impact of dry olive mill residue addition to soil on the resident microbiota. Bioresource Technology, 2009, 100, 6098-6106.	9.6	54
29	Organic matter evolution and partial detoxification in two-phase olive mill waste colonized by white-rot fungi. International Biodeterioration and Biodegradation, 2007, 60, 116-125.	3.9	52
30	An efficient PAH-degrading Lentinus (Panus) tigrinus strain: Effect of inoculum formulation and pollutant bioavailability in solid matrices. Journal of Hazardous Materials, 2010, 183, 669-676.	12.4	47
31	Effect of agitation and aeration on the reduction of pollutant load of olive mill wastewater by the white-rot fungus Panus tigrinus. Biochemical Engineering Journal, 2006, 29, 243-249.	3.6	46
32	Bioconversion of agro-industrial waste into microbial oils by filamentous fungi. Chemical Engineering Research and Design, 2018, 117, 143-151.	5.6	45
33	Orange peel pretreatment in a novel lab-scale direct steam-injection apparatus for ethanol production. Biomass and Bioenergy, 2014, 61, 146-156.	5.7	44
34	Assessment of degradation potential of aliphatic hydrocarbons by autochthonous filamentous fungi from a historically polluted clay soil. Science of the Total Environment, 2015, 505, 545-554.	8.0	44
35	The production of exo-enzymes by Lentinus edodes and pleurotus ostreatus and their use for upgrading corn straw. Bioresource Technology, 1994, 48, 173-178.	9.6	43
36	Mobilizing agents enhance fungal degradation of polycyclic aromatic hydrocarbons and affect diversity of indigenous bacteria in soil. Biotechnology and Bioengineering, 2008, 101, 273-285.	3.3	39

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37	Organic matter transformation and detoxification in dry olive mill residue by the saprophytic fungus Paecilomyces farinosus. Process Biochemistry, 2009, 44, 216-225.	3.7	37
38	Mechanisms of arsenic assimilation by plants and countermeasures to attenuate its accumulation in crops other than rice. Ecotoxicology and Environmental Safety, 2019, 185, 109701.	6.0	37
39	Solid-state cultures of Fusarium oxysporum transform aromatic components of olive-mill dry residue and reduce its phytotoxicity. Bioresource Technology, 2007, 98, 3547-3554.	9.6	36
40	Inoculum carrier and contaminant bioavailability affect fungal degradation performances of PAH-contaminated solid matrices from a wood preservation plant. Chemosphere, 2010, 79, 855-864.	8.2	36
41	Bioaugmentation of a historically contaminated soil by polychlorinated biphenyls with Lentinus tigrinus. Microbial Cell Factories, 2012, 11, 35.	4.0	36
42	Veratryl alcohol oxidation by manganese-dependent peroxidase from Lentinus edodes. Journal of Biotechnology, 1996, 48, 231-239.	3.8	35
43	Chitosan Production by Fungi: Current State of Knowledge, Future Opportunities and Constraints. Fermentation, 2022, 8, 76.	3.0	35
44	Substrate specificity of laccase fromLentinus edodes. Acta Biotechnologica, 1996, 16, 257-270.	0.9	33
45	Bioconversion of olive-mill dry residue by Fusarium lateritium and subsequent impact on its phytotoxicity. Chemosphere, 2005, 60, 1393-1400.	8.2	32
46	Antioxidants and Photosynthesis in the Leaves of Triticum durum L. Seedlings Acclimated to Low, Non-Chilling Temperature. Journal of Plant Physiology, 1993, 142, 18-24.	3.5	30
47	Response surface methodology study of laccase production in Panus tigrinus liquid cultures. Biochemical Engineering Journal, 2008, 39, 236-245.	3.6	29
48	Stoned olive pomace fermentation with Pleurotus species and its evaluation as a possible animal feed. Enzyme and Microbial Technology, 2010, 46, 223-228.	3.2	29
49	Antioxidants and photosynthesis in the leaves of Triticum durum desf. Seedlings acclimated to non-stressing high temperature. Journal of Plant Physiology, 1997, 150, 381-387.	3.5	28
50	Leaching and microbial treatment of a soil contaminated by sulphide ore ashes and aromatic hydrocarbons. Applied Microbiology and Biotechnology, 2007, 74, 1135-1144.	3.6	28
51	Isolation and characterization of lignin from beech wood and chestnut sawdust for the preparation of lignin nanoparticles (LNPs) from wood industry side-streams. Holzforschung, 2018, 72, 961-972.	1.9	28
52	Orange peel wasteâ€“based liquid medium for biodiesel production by oleaginous yeasts. Applied Microbiology and Biotechnology, 2020, 104, 4617-4628.	3.6	27
53	Addition of allochthonous fungi to a historically contaminated soil affects both remediation efficiency and bacterial diversity. Applied Microbiology and Biotechnology, 2007, 77, 203-211.	3.6	25
54	Aqueous plant extracts as stimulators of laccase production in liquid cultures of Lentinus edodes. Biotechnology Letters, 1996, 10, 243.	0.5	24

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55	Addition of maize stalks and soybean oil to a historically PCB-contaminated soil: effect on degradation performance and indigenous microbiota. New Biotechnology, 2012, 30, 69-79.	4.4	24
56	Comparative assessment of fungal augmentation treatments of a fine-textured and historically oil-contaminated soil. Science of the Total Environment, 2016, 566-567, 250-259.	8.0	24
57	Influence of the age and growth conditions on the mycelial chitin content ofLentinus edodes. Journal of Basic Microbiology, 1994, 34, 11-16.	3.3	21
58	The reactivity of phenolic and non-phenolic residual kraft lignin model compounds with Mn(II)-peroxidase from Lentinula edodes. Bioorganic and Medicinal Chemistry, 2000, 8, 433-438.	3.0	21
59	Kinetic and redox properties of MnP II, a major manganese peroxidase isoenzyme from Panus tigrinus CBS 577.79. Journal of Biological Inorganic Chemistry, 2009, 14, 1153-1163.	2.6	21
60	Ethanol production from xerophilic and salt-resistant Tamarix jordanis biomass. Biomass and Bioenergy, 2014, 61, 73-81.	5.7	21
61	Immobilized Inocula of White-Rot Fungi Accelerate both Detoxification and Organic Matter Transformation in Two-Phase Dry Olive-Mill Residue. Journal of Agricultural and Food Chemistry, 2009, 57, 5452-5460.	5.2	20
62	Lentinus (Panus) tigrinus augmentation of a historically contaminated soil: Matrix decontamination and structure and function of the resident bacterial community. Journal of Hazardous Materials, 2011, 186, 1263-1270.	12.4	20
63	Impact of the Fenton-like treatment on the microbial community of a diesel-contaminated soil. Chemosphere, 2018, 191, 580-588.	8.2	20
64	Phenoloxidase-producing halotolerant fungi from olive brine wastewater. Process Biochemistry, 2012, 47, 1433-1437.	3.7	18
65	Fungal Community Structure and As-Resistant Fungi in a Decommissioned Gold Mine Site. Frontiers in Microbiology, 2017, 8, 2202.	3.5	18
66	Optimisation by response surface methodology of fungal lipase production on olive mill wastewater. Journal of Chemical Technology and Biotechnology, 2006, 81, 1586-1593.	3.2	17
67	Multiple forms of synthetic pronase-phenolic copolymers. Soil Biology and Biochemistry, 1990, 22, 721-724.	8.8	16
68	Biotransformation of tyrosol by whole-cell and cell-free preparation of Lentinus edodes. Journal of Molecular Catalysis B: Enzymatic, 1997, 3, 213-220.	1.8	15
69	High Solid Loading in Dilute Acid Hydrolysis of Orange Peel Waste Improves Ethanol Production. Bioenergy Research, 2015, 8, 1292-1302.	3.9	15
70	Cynara cardunculus a novel substrate for solid-state production of Aspergillus tubingensis cellulases and sugar hydrolysates. Biomass and Bioenergy, 2019, 127, 105276.	5.7	15
71	Development of laboratory-scale sequential electrokinetic and biological treatment of chronically hydrocarbon-impacted soils. New Biotechnology, 2020, 58, 38-44.	4.4	15
72	Integrated approach of metal removal and bioprecipitation followed by fungal degradation of organic pollutants from contaminated soils. European Journal of Soil Biology, 2007, 43, 380-387.	3.2	14

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73	Chlorobenzoic acid degradation by Lentinus (Panus) tigrinus: In vivo and in vitro mechanistic study-evidence for P-450 involvement in the transformation. Journal of Hazardous Materials, 2013, 260, 975-983.	12.4	14
74	Dairy wastewater polluting load and treatment performances of an industrial three-cascade-reactor plant. Process Biochemistry, 2013, 48, 941-944.	3.7	12
75	<i>Pleurotus ostreatus</i> biofilm-forming ability and ultrastructure are significantly influenced by growth medium and support type. Journal of Applied Microbiology, 2013, 114, 1750-1762.	3.1	12
76	Effect of mobilizing agents on mycoremediation and impact on the indigenous microbiota. Journal of Chemical Technology and Biotechnology, 2009, 84, 836-844.	3.2	11
77	Rapid assessment of As and other elements in naturally-contaminated calcareous soil through hyperspectral VIS-NIR analysis. Talanta, 2018, 190, 167-173.	5.5	11
78	Characterization of Pleurotus ostreatus Biofilms by Using the Calgary Biofilm Device. Applied and Environmental Microbiology, 2013, 79, 6083-6092.	3.1	10
79	Mn-peroxidase production byPanus tigrinus CBS 577.79: response surface optimisation and bioreactor comparison. Journal of Chemical Technology and Biotechnology, 2006, 81, 832-840.	3.2	9
80	Non-supplemented aqueous extract from dry olive mill residue: A possible medium for fungal manganese peroxidase production. Biochemical Engineering Journal, 2012, 65, 96-99.	3.6	8
81	Mixed glycerol and orange peel-based substrate for fed-batch microbial biodiesel production. Heliyon, 2020, 6, e04801.	3.2	8
82	Pleurotus ostreatusbiofilms exhibit higher tolerance to toxicants than free-floating counterparts. Biofouling, 2013, 29, 1043-1055.	2.2	7
83	Production of lignin-modifying enzymes by Trametes ochracea on high-molecular weight fraction of olive mill wastewater, a byproduct of olive oil biorefinery. New Biotechnology, 2019, 50, 44-51.	4.4	7
84	Time-Dependent Changes in Morphostructural Properties and Relative Abundances of Contributors in Pleurotus ostreatus/Pseudomonas alcaliphila Mixed Biofilms. Frontiers in Microbiology, 2019, 10, 1819.	3.5	6
85	Development and testing of a novel lab-scale direct steam-injection apparatus to hydrolyse model and saline crop slurries. Journal of Biotechnology, 2012, 157, 590-597.	3.8	5
86	Aspergillus olivimuriae sp. nov., a halotolerant species isolated from olive brine. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2899-2906.	1.7	5
87	Screening, isolation, and characterization of glycosyl-hydrolase-producing fungi from desert halophyte plants. International Microbiology, 2014, 17, 41-8.	2.4	5
88	Effect of additives on enzyme-catalyzed polymerization of phenols and aromatic amines. Frontiers in Bioscience - Scholar, 2012, S4, 1249-1265.	2.1	4
89	Effect of Mobilising Agents on Mycoremediation of Soils Contaminated by Hydrophobic Persistent Pollutants. Soil Biology, 2013, , 393-417.	0.8	3
90	Lignocellulolytic Potential of the Recently Described Species Aspergillus olivimuriae on Different Solid Wastes. Applied Sciences (Switzerland), 2021, 11, 5349.	2.5	2

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91	AQUEOUS EXTRACT FROM DRY OLIVE MILL RESIDUE AS A POSSIBLE BASAL MEDIUM FOR LACCASE PRODUCTION. Environmental Engineering and Management Journal, 2014, 13, 3037-3044.	0.6	2
92	Upgrading and detoxification of aqueous extracts from dry olive mill residues by white-rot fungi. Journal of Biotechnology, 2010, 150, 225-225.	3.8	0
93	Metagenomics unveils bacterial and fungal communities response to mycoremediation of polychlorinated biphenyl-contaminated soil. New Biotechnology, 2014, 31, S69.	4.4	0
94	Aqueous extract from orange peel waste as a valuable growth substrate for microbial oil production. New Biotechnology, 2016, 33, S143-S144.	4.4	0