Alessandro D'Annibale

List of Publications by Year
in descending order

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	Chitosan Production by Fungi: Current State of Knowledge, Future Opportunities and Constraints. Fermentation, 2022, 8, 76.	3.0	35
2	Lignocellulolytic Potential of the Recently Described Species Aspergillus olivimuriae on Different Solid Wastes. Applied Sciences (Switzerland), 2021, 11, 5349.	2.5	2
3	Mixed glycerol and orange peel-based substrate for fed-batch microbial biodiesel production. Heliyon, 2020, 6, e04801.	3.2	8
4	Development of laboratory-scale sequential electrokinetic and biological treatment of chronically hydrocarbon-impacted soils. New Biotechnology, 2020, 58, 38-44.	4.4	15
5	Orange peel wasteâ€"based liquid medium for biodiesel production by oleaginous yeasts. Applied Microbiology and Biotechnology, 2020, 104, 4617-4628.	3.6	27
6	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
7	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
8	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
9	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
10	Preparation of Lignin Nanoparticles from Wood Waste for Wood Surface Treatment. Nanomaterials, 2019, 9, 281.	4.1	79
11	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
12	Bioconversion of agro-industrial waste into microbial oils by filamentous fungi. Chemical Engineering Research and Design, 2018, 117, 143-151.	5.6	45
13	Impact of the Fenton-like treatment on the microbial community of a diesel-contaminated soil. Chemosphere, 2018, 191, 580-588.	8.2	20
14	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
15	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
16	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
17	A sustainable use of Ricotta Cheese Whey for microbial biodiesel production. Science of the Total Environment, 2017, 584-585, 554-560.	8.0	59
18	Bioremediation of long-term PCB-contaminated soil by white-rot fungi. Journal of Hazardous Materials, 2017, 324, 701-710.	12.4	118

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19	Fungal Community Structure and As-Resistant Fungi in a Decommissioned Gold Mine Site. Frontiers in Microbiology, 2017, 8, 2202.	3.5	18
20	Aqueous extract from orange peel waste as a valuable growth substrate for microbial oil production. New Biotechnology, 2016, 33, S143-S144.	4.4	0
21	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
22	High Solid Loading in Dilute Acid Hydrolysis of Orange Peel Waste Improves Ethanol Production. Bioenergy Research, 2015, 8, 1292-1302.	3.9	15
23	Implications of polluted soil biostimulation and bioaugmentation with spent mushroom substrate () Tj ETQq1 1 0.784314 rgBT /Overl biodegradation. Science of the Total Environment, 2015, 508, 20-28.	8.0	75
24	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
25	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
26	Ethanol production from xerophilic and salt-resistant Tamarix jordanis biomass. Biomass and Bioenergy, 2014, 61, 73-81.	5.7	21
27	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
28	Metagenomics unveils bacterial and fungal communities response to mycoremediation of polychlorinated biphenyl-contaminated soil. New Biotechnology, 2014, 31, S69.	4.4	0
29	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
30	Screening, isolation, and characterization of glycosyl-hydrolase-producing fungi from desert halophyte plants. International Microbiology, 2014, 17, 41-8.	2.4	5
31	Dairy wastewater polluting load and treatment performances of an industrial three-cascade-reactor plant. Process Biochemistry, 2013, 48, 941-944.	3.7	12
32	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
33	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
34	Effect of Mobilising Agents on Mycoremediation of Soils Contaminated by Hydrophobic Persistent Pollutants. Soil Biology, 2013, , 393-417.	0.8	3
35	<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
36	Characterization of Pleurotus ostreatus Biofilms by Using the Calgary Biofilm Device. Applied and Environmental Microbiology, 2013, 79, 6083-6092.	3.1	10

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37	Pleurotus ostreatusbiofilms exhibit higher tolerance to toxicants than free-floating counterparts. Biofouling, 2013, 29, 1043-1055.	2.2	7
38	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
39	Phenoloxidase-producing halotolerant fungi from olive brine wastewater. Process Biochemistry, 2012, 47, 1433-1437.	3.7	18
40	Bioaugmentation of a historically contaminated soil by polychlorinated biphenyls with Lentinus tigrinus. Microbial Cell Factories, 2012, 11, 35.	4.0	36
41	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
42	Effect of additives on enzyme-catalyzed polymerization of phenols and aromatic amines. Frontiers in Bioscience - Scholar, 2012, S4, 1249-1265.	2.1	4
43	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
44	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
45	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
46	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
47	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
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	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
50	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
51	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
52	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
53	Short-term impact of dry olive mill residue addition to soil on the resident microbiota. Bioresource Technology, 2009, 100, 6098-6106.	9.6	54
54	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

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55	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
56	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
57	Response surface methodology study of laccase production in Panus tigrinus liquid cultures. Biochemical Engineering Journal, 2008, 39, 236-245.	3.6	29
58	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
59	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
60	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
61	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
62	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
63	Bioavailability modification and fungal biodegradation of PAHs in aged industrial soils. International Biodeterioration and Biodegradation, 2007, 60, 165-170.	3.9	65
64	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
65	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
66	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
67	Olive-mill wastewaters: a promising substrate for microbial lipase production. Bioresource Technology, 2006, 97, 1828-1833.	9.6	132
68	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
69	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
70	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
71	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
72	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

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73	Olive oil mill wastewater valorisation by fungi. Journal of Chemical Technology and Biotechnology, 2006, 81, 1547-1555.	3.2	74
74	Degradation of aromatic hydrocarbons by whiteâ€rot fungi in a historically contaminated soil. Biotechnology and Bioengineering, 2005, 90, 723-731.	3.3	77
75	Bioconversion of olive-mill dry residue by Fusarium lateritium and subsequent impact on its phytotoxicity. Chemosphere, 2005, 60, 1393-1400.	8.2	32
76	Lentinula edodes removes phenols from olive-mill wastewater: impact on durum wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	8.2	86
77	Panus tigrinus efficiently removes phenols, color and organic load from olive-mill wastewater. Research in Microbiology, 2004, 155, 596-603.	2.1	88
78	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
79	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
80	Applications of laccases and tyrosinases (phenoloxidases) immobilized on different supports: a review. Enzyme and Microbial Technology, 2002, 31, 907-931.	3.2	674
81	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
82	Oxirane-immobilized Lentinula edodes laccase: stability and phenolics removal efficiency in olive mill wastewater. Journal of Biotechnology, 2000, 77, 265-273.	3.8	149
83	Characterization of immobilized laccase from Lentinula edodes and its use in olive-mill wastewater treatment. Process Biochemistry, 1999, 34, 697-706.	3.7	146
84	The biodegradation of recalcitrant effluents from an olive mill by a white-rot fungus. Journal of Biotechnology, 1998, 61, 209-218.	3.8	102
85	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
86	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
87	Veratryl alcohol oxidation by manganese-dependent peroxidase from Lentinus edodes. Journal of Biotechnology, 1996, 48, 231-239.	3.8	35
88	Substrate specificity of laccase fromLentinus edodes. Acta Biotechnologica, 1996, 16, 257-270.	0.9	33
89	Aqueous plant extracts as stimulators of laccase production in liquid cultures of Lentinus edodes. Biotechnology Letters, 1996, 10, 243.	0.5	24
90	Correlated effects during the bioconversion of waste olive waters by Lentinus edodes. Bioresource Technology, 1995, 51, 221-226.	9.6	54

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91	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
92	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
93	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
94	Multiple forms of synthetic pronase-phenolic copolymers. Soil Biology and Biochemistry, 1990, 22, 721-724.	8.8	16