Giovanna Cristina Varese

List of Publications by Year
in descending order

67 papers	2,383 citations	218677 26 h-index	214800 47 g-index
68 all docs	68 docs citations	68 times ranked	3145 citing authors

#	Article	IF	Citations
1	Diversity, ecological role and potential biotechnological applications of marine fungi associated to the seagrass Posidonia oceanica. New Biotechnology, 2013, 30, 685-694.	4.4	129
2	Isolation and identification of fungal communities in compost and vermicompost. Mycologia, 2005, 97, 33-44.	1.9	121
3	Evaluation of toxicity, genotoxicity and environmental risk of simulated textile and tannery wastewaters with a battery of biotests. Ecotoxicology and Environmental Safety, 2011, 74, 866-873.	6.0	115
4	Scale-up of a bioprocess for textile wastewater treatment using Bjerkandera adusta. Bioresource Technology, 2010, 101, 3067-3075.	9.6	100
5	The culturable mycobiota of a Mediterranean marine site after an oil spill: isolation, identification and potential application in bioremediation. Science of the Total Environment, 2017, 576, 310-318.	8.0	100
6	Decolourisation and detoxification of textile effluents by fungal biosorption. Water Research, 2008, 42, 2911-2920.	11.3	92
7	The extreme environment of a library: Xerophilic fungi inhabiting indoor niches. International Biodeterioration and Biodegradation, 2015, 99, 1-7.	3.9	88
8	Isolation and identification of fungal communities in compost and vermicompost. Mycologia, 2005, 97, 33-44.	1.9	84
9	Decolourisation and detoxification in the fungal treatment of textile wastewaters from dyeing processes. New Biotechnology, 2011, 29, 38-45.	4.4	84
10	Chromium removal from a real tanning effluent by autochthonous and allochthonous fungi. Bioresource Technology, 2009, 100, 2770-2776.	9.6	82
11	Is digestate safe? A study on its ecotoxicity and environmental risk on a pig manure. Science of the Total Environment, 2016, 551-552, 127-132.	8.0	82
12	The Essentials of Marine Biotechnology. Frontiers in Marine Science, 2021, 8, .	2.5	75
13	Biosorption of simulated dyed effluents by inactivated fungal biomasses. Bioresource Technology, 2008, 99, 3559-3567.	9.6	69
14	Integrated fungal biomass and activated sludge treatment for textile wastewaters bioremediation. Bioresource Technology, 2012, 123, 106-111.	9.6	69
15	Removal of micropollutants by fungal laccases in model solution and municipal wastewater: evaluation of estrogenic activity and ecotoxicity. Journal of Cleaner Production, 2015, 100, 185-194.	9.3	69
16	Occurrence of selected pharmaceuticals in wastewater treatment plants of Tuscany: An effect-based approach to evaluate the potential environmental impact. International Journal of Hygiene and Environmental Health, 2019, 222, 717-725.	4.3	62
17	The culturable mycobiota of Flabellia petiolata: First survey of marine fungi associated to a Mediterranean green alga. PLoS ONE, 2017, 12, e0175941.	2.5	59
18	The Bioremediation Potential of Different Ecophysiological Groups of Fungi. Soil Biology, 2013, , 29-49.	0.8	52

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19	Low density polyethylene degradation by filamentous fungi. Environmental Pollution, 2021, 274, 116548.	7.5	52
20	Mycological and ecotoxicological characterisation of landfill leachate before and after traditional treatments. Science of the Total Environment, 2014, 487, 335-341.	8.0	50
21	Influence of plant genotype on the cultivable fungiÂassociated to tomato rhizosphere and roots in different soils. Fungal Biology, 2016, 120, 862-872.	2.5	39
22	Fungal Biosorption, An Innovative Treatment for the Decolourisation and Detoxification of Textile Effluents. Water (Switzerland), 2010, 2, 550-565.	2.7	37
23	Ecofriendly laccases treatment to challenge micropollutants issue in municipal wastewaters. Environmental Pollution, 2020, 257, 113579.	7.5	35
24	Marine fungi as source of new hydrophobins. International Journal of Biological Macromolecules, 2016, 92, 1229-1233.	7.5	31
25	Oestrogenic activity of a textile industrial wastewater treatment plant effluent evaluated by the E-screen test and MELN gene-reporter luciferase assay. Science of the Total Environment, 2012, 432, 389-395.	8.0	30
26	Survey of ectomycorrhizal, litter-degrading, and wood-degrading Basidiomycetes for dye decolorization and ligninolytic enzyme activity. Antonie Van Leeuwenhoek, 2010, 98, 483-504.	1.7	29
27	Industrial dye degradation and detoxification by basidiomycetes belonging to different eco-physiological groups. Journal of Hazardous Materials, 2010, 177, 260-267.	12.4	28
28	Biotransformation of industrial tannins by filamentous fungi. Applied Microbiology and Biotechnology, 2018, 102, 10361-10375.	3.6	28
29	The Sponge-Associated Fungus Eurotium chevalieri MUT 2316 and its Bioactive Molecules: Potential Applications in the Field of Antifouling. Marine Biotechnology, 2019, 21, 743-752.	2.4	28
30	Diversity and Enzymatic Profiling of Halotolerant Micromycetes from Sebkha El Melah, a Saharan Salt Flat in Southern Tunisia. BioMed Research International, 2014, 2014, 1-11.	1.9	27
31	Bioremediation of Landfill Leachate with Fungi: Autochthonous vs. Allochthonous Strains. Life, 2018, 8, 27.	2.4	27
32	Cerato-Platanins from Marine Fungi as Effective Protein Biosurfactants and Bioemulsifiers. International Journal of Molecular Sciences, 2020, 21, 2913.	4.1	27
33	Cunninghamella elegans biomass optimisation for textile wastewater biosorption treatment: an analytical and ecotoxicological approach. Applied Microbiology and Biotechnology, 2011, 90, 343-352.	3.6	25
34	Recalcitrant Compounds Removal in Raw Leachate and Synthetic Effluents Using the White-Rot Fungus Bjerkandera adusta. Water (Switzerland), 2017, 9, 824.	2.7	23
35	Basidiomycota isolated from the Mediterranean Sea â€“ Phylogeny and putative ecological roles. Fungal Ecology, 2018, 36, 51-62.	1.6	20
36	News from the Sea: A New Genus and Seven New Species in the Pleosporalean Families Roussoellaceae and Thyridariaceae. Diversity, 2020, 12, 144.	1.7	20

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37	Decolourisation of model and industrial dyes by mitosporic fungi in different culture conditions. World Journal of Microbiology and Biotechnology, 2009, 25, 1363-1374.	3.6	19
38	Screening and evaluation of phenols and furans degrading fungi for the biological pretreatment of lignocellulosic biomass. International Biodeterioration and Biodegradation, 2021, 161, 105246.	3.9	18
39	Detection of volatile metabolites of moulds isolated from a contaminated library. Journal of Microbiological Methods, 2016, 128, 34-41.	1.6	16
40	Fungi from industrial tannins: potential application in biotransformation and bioremediation of tannery wastewaters. Applied Microbiology and Biotechnology, 2018, 102, 4203-4216.	3.6	16
41	Fungal Waste-Biomasses as Potential Low-Cost Biosorbents for Decolorization of Textile Wastewaters. Water (Switzerland), 2012, 4, 770-784.	2.7	14
42	Influence of Culture Medium on Fungal Biomass Composition and Biosorption Effectiveness. Current Microbiology, 2012, 64, 50-59.	2.2	14
43	The antimicrobial potential of algicolous marine fungi for counteracting multidrug-resistant bacteria: phylogenetic diversity and chemical profiling. Research in Microbiology, 2016, 167, 492-500.	2.1	14
44	Tannery mixed liquors from an ecotoxicological and mycological point of view: Risks vs potential biodegradation application. Science of the Total Environment, 2018, 627, 835-843.	8.0	14
45	Fungal Diversity in the Neptune Forest: Comparison of the Mycobiota of Posidonia oceanica, Flabellia petiolata, and Padina pavonica. Frontiers in Microbiology, 2020, 11, 933.	3.5	13
46	Identification of fungal ene-reductase activity by means of a functional screening. Fungal Biology, 2015, 119, 487-493.	2.5	12
47	Evaluation of an eventual ecotoxicity induced by textile effluents using a battery of biotests. Environmental Science and Pollution Research, 2015, 22, 16700-16708.	5.3	12
48	Effects of Biological and Chemical Treatments against Heterobasidion annosum on the Microfungal Communities of Picea abies Stumps. Mycologia, 1999, 91, 747.	1.9	10
49	The effects of book disinfection to the airborne microbiological community in a library environment. Aerobiologia, 2018, 34, 29-44.	1.7	10
50	SELECTION OF STRAINS AND CARRIERS TO COMBINE FUNGI AND ACTIVATED SLUDGE IN WASTEWATER BIOREMEDIATION. Environmental Engineering and Management Journal, 2012, 11, 1789-1796.	0.6	10
51	Role of Enzyveba in the aerobic bioremediation and detoxification of a soil freshly contaminated by two different diesel fuels. International Biodeterioration and Biodegradation, 2008, 62, 153-161.	3.9	9
52	Stimulation of laccases from <i>Trametes pubescens</i>: Use in dye decolorization and cotton bleaching. Preparative Biochemistry and Biotechnology, 2016, 46, 639-647.	1.9	9
53	Fungal pretreatment of non-sterile maize silage and solid digestate with a Cephalotrichum stemonitis strain selected from agricultural biogas plants to enhance anaerobic digestion. Biomass and Bioenergy, 2021, 144, 105934.	5.7	9
54	Corollospora mediterranea: A Novel Species Complex in the Mediterranean Sea. Applied Sciences (Switzerland), 2021, 11, 5452.	2.5	9

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55	Old Yellow Enzyme homologues in Mucor circinelloides: expression profile and biotransformation. Scientific Reports, 2017, 7, 12093.	3.3	8
56	The role of cosubstrate and mixing on fungal biofilm efficiency in the removal of tannins. Environmental Technology (United Kingdom), 2020, 41, 3515-3523.	2.2	8
57	Insights on Lulworthiales Inhabiting the Mediterranean Sea and Description of Three Novel Species of the Genus Paralulworthia. Journal of Fungi (Basel, Switzerland), 2021, 7, 940.	3.5	7
58	Long-term effects on other fungi are studied in biological and chemical stump treatments in the fight against<i>Heterobasidion annosum</i>coll. Mycologia, 2003, 95, 379-387.	1.9	6
59	Enzyme-substrate matching in biocatalysis: in silico studies to predict substrate preference of ten putative ene-reductases from Mucor circinelloides MUT44. Journal of Molecular Catalysis B: Enzymatic, 2016, 131, 94-100.	1.8	6
60	Wastewater-Agar as a selection environment: A first step towards a fungal in-situ bioaugmentation strategy. Ecotoxicology and Environmental Safety, 2019, 171, 443-450.	6.0	6
61	The culturable mycobiota associated with the Mediterranean sponges <i>Aplysina cavernicola</i>, <i>Crambe crambe</i> and <i>Phorbas tenacior</i>. FEMS Microbiology Letters, 2019, 366, .	1.8	5
62	Wastewater bioremediation using white rot fungi: Validation of a dynamical system with real data obtained in laboratory. Mathematical Methods in the Applied Sciences, 2018, 41, 4195-4207.	2.3	4
63	Biosorption with autochthonous and allochthonous fungal biomasses for bioremediation and detoxification of landfill leachate. Environmental Earth Sciences, 2018, 77, 1.	2.7	4
64	Elbamycella rosea gen. et sp. nov. (Juncigenaceae, Torpedosporales) isolated from the Mediterranean Sea. MycoKeys, 2019, 55, 15-28.	1.9	4
65	Fungal Bioremediation of Emerging Micropollutants in Municipal Wastewaters. Fungal Biology, 2016, , 115-141.	0.6	2
66	Dihydroauroglaucin Isolated from the Mediterranean Sponge Grantia compressa Endophyte Marine Fungus Eurotium chevalieri Inhibits Migration of Human Neuroblastoma Cells. Pharmaceutics, 2022, 14, 616.	4.5	2
67	Widespread Ability of Ligninolytic Fungi to Degrade Hazardous Organic Pollutants as the Basis for the Self-Purification Ability of Natural Ecosystems and for Mycoremediation Technologies. Applied Sciences (Switzerland), 2022, 12, 2164.	2.5	1