Giovanna C Varese

List of Publications by Year
in descending order

84 papers	2,851 citations	147566 31 h-index	197535 49 g-index
86 all docs	86 docs citations	86 times ranked	3820 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.	2.4	129
2	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.	2.9	115
3	Microalgae treatment removes nutrients and reduces ecotoxicity of diluted piggery digestate. Science of the Total Environment, 2016, 569-570, 40-45.	3.9	106
4	Biodiversity, evolution and adaptation of fungi in extreme environments. Plant Biosystems, 2013, 147, 237-246.	0.8	104
5	Scale-up of a bioprocess for textile wastewater treatment using Bjerkandera adusta. Bioresource Technology, 2010, 101, 3067-3075.	4.8	100
6	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.	3.9	100
7	Decolourisation and detoxification of textile effluents by fungal biosorption. Water Research, 2008, 42, 2911-2920.	5.3	92
8	Decolourisation and detoxification in the fungal treatment of textile wastewaters from dyeing processes. New Biotechnology, 2011, 29, 38-45.	2.4	84
9	Chromium removal from a real tanning effluent by autochthonous and allochthonous fungi. Bioresource Technology, 2009, 100, 2770-2776.	4.8	82
10	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.	3.9	82
11	Pyrene degradation and detoxification in soil by a consortium of basidiomycetes isolated from compost: Role of laccases and peroxidases. Journal of Hazardous Materials, 2009, 165, 1229-1233.	6.5	77
12	The Essentials of Marine Biotechnology. Frontiers in Marine Science, 2021, 8, .	1.2	75
13	Biosorption of simulated dyed effluents by inactivated fungal biomasses. Bioresource Technology, 2008, 99, 3559-3567.	4.8	69
14	Integrated fungal biomass and activated sludge treatment for textile wastewaters bioremediation. Bioresource Technology, 2012, 123, 106-111.	4.8	69
15	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.	2.1	62
16	Characterization of two diesel fuel degrading microbial consortia enriched from a non acclimated, complex source of microorganisms. Microbial Cell Factories, 2010, 9, 10.	1.9	59
17	Dothideomycetes and Leotiomycetes sterile mycelia isolated from the Italian seagrass Posidonia oceanica based on rDNA data. SpringerPlus, 2014, 3, 508.	1.2	59
18	The culturable mycobiota of Flabellia petiolata: First survey of marine fungi associated to a Mediterranean green alga. PLoS ONE, 2017, 12, e0175941.	1.1	59

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19	Molecular and Microbiological Insights on the Enrichment Procedures for the Isolation of Petroleum Degrading Bacteria and Fungi. Frontiers in Microbiology, 2018, 9, 2543.	1.5	56
20	Marine Fungi from the Sponge Grantia compressa: Biodiversity, Chemodiversity, and Biotechnological Potential. Marine Drugs, 2019, 17, 220.	2.2	54
21	The Bioremediation Potential of Different Ecophysiological Groups of Fungi. Soil Biology, 2013, , 29-49.	0.6	52
22	Low density polyethylene degradation by filamentous fungi. Environmental Pollution, 2021, 274, 116548.	3.7	52
23	Mycological and ecotoxicological characterisation of landfill leachate before and after traditional treatments. Science of the Total Environment, 2014, 487, 335-341.	3.9	50
24	Influence of plant genotype on the cultivable fungiÂassociated to tomato rhizosphere and roots in different soils. Fungal Biology, 2016, 120, 862-872.	1.1	39
25	Fungal Biosorption, An Innovative Treatment for the Decolourisation and Detoxification of Textile Effluents. Water (Switzerland), 2010, 2, 550-565.	1.2	37
26	Deposit of microbial strains in public service collections as part of the publication process to underpin good practice in science. SpringerPlus, 2014, 3, 208.	1.2	37
27	Sink or swim: Updated knowledge on marine fungi associated with wood substrates in the Mediterranean Sea and hints about their potential to remediate hydrocarbons. Progress in Oceanography, 2015, 137, 140-148.	1.5	36
28	Relative abundance and potential dispersal range of intersterility groups of Heterobasidion annosum in pure and mixed forests. Canadian Journal of Botany, 2001, 79, 1057-1065.	1.2	36
29	Ecofriendly laccases treatment to challenge micropollutants issue in municipal wastewaters. Environmental Pollution, 2020, 257, 113579.	3.7	35
30	Vitality and genetic fidelity of white-rot fungi mycelia following different methods of preservation. Mycological Research, 2009, 113, 1027-1038.	2.5	34
31	Preservation, Characterization and Exploitation of Microbial Biodiversity: The Perspective of the Italian Network of Culture Collections. Microorganisms, 2019, 7, 685.	1.6	33
32	Marine fungi as source of new hydrophobins. International Journal of Biological Macromolecules, 2016, 92, 1229-1233.	3.6	31
33	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.	3.9	30
34	Relative abundance and potential dispersal range of intersterility groups of Heterobasidion annosum in pure and mixed forests. Canadian Journal of Botany, 2001, 79, 1057-1065.	1.2	29
35	Survey of ectomycorrhizal, litter-degrading, and wood-degrading Basidiomycetes for dye decolorization and ligninolytic enzyme activity. Antonie Van Leeuwenhoek, 2010, 98, 483-504.	0.7	29
36	Industrial dye degradation and detoxification by basidiomycetes belonging to different eco-physiological groups. Journal of Hazardous Materials, 2010, 177, 260-267.	6.5	28

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37	Biotransformation of industrial tannins by filamentous fungi. Applied Microbiology and Biotechnology, 2018, 102, 10361-10375.	1.7	28
38	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.	1.1	28
39	Bioremediation of Landfill Leachate with Fungi: Autochthonous vs. Allochthonous Strains. Life, 2018, 8, 27.	1.1	27
40	Cerato-Platanins from Marine Fungi as Effective Protein Biosurfactants and Bioemulsifiers. International Journal of Molecular Sciences, 2020, 21, 2913.	1.8	27
41	Cunninghamella elegans biomass optimisation for textile wastewater biosorption treatment: an analytical and ecotoxicological approach. Applied Microbiology and Biotechnology, 2011, 90, 343-352.	1.7	25
42	Recalcitrant Compounds Removal in Raw Leachate and Synthetic Effluents Using the White-Rot Fungus Bjerkandera adusta. Water (Switzerland), 2017, 9, 824.	1.2	23
43	Bioremediation potential of basidiomycetes isolated from compost. Bioresource Technology, 2008, 99, 6626-6630.	4.8	22
44	Basidiomycota isolated from the Mediterranean Sea â€“ Phylogeny and putative ecological roles. Fungal Ecology, 2018, 36, 51-62.	0.7	20
45	News from the Sea: A New Genus and Seven New Species in the Pleosporalean Families Roussoellaceae and Thyridariaceae. Diversity, 2020, 12, 144.	0.7	20
46	Decolourisation of model and industrial dyes by mitosporic fungi in different culture conditions. World Journal of Microbiology and Biotechnology, 2009, 25, 1363-1374.	1.7	19
47	Identification of a Sorbicillinoid-Producing Aspergillus Strain with Antimicrobial Activity Against Staphylococcus aureus: a New Polyextremophilic Marine Fungus from Barents Sea. Marine Biotechnology, 2018, 20, 502-511.	1.1	19
48	Different Approaches to Discover Mycovirus Associated to Marine Organisms. Methods in Molecular Biology, 2018, 1746, 97-114.	0.4	19
49	Mycobiota associated with the rhodophyte alien species <scp>A</scp>sparagopsis taxiformis (<scp>D</scp>elile) <scp>T</scp>revisan de <scp>S</scp>aintâ€‹<scp>L</scp>Â©on in the <scp>M</scp>editerranean <scp>S</scp>ea. Marine Ecology, 2015, 36, 959-968.	0.4	18
50	Genome Sequence of Trichoderma lixii MUT3171, A Promising Strain for Mycoremediation of PAH-Contaminated Sites. Microorganisms, 2020, 8, 1258.	1.6	18
51	Detection of volatile metabolites of moulds isolated from a contaminated library. Journal of Microbiological Methods, 2016, 128, 34-41.	0.7	16
52	Fungi from industrial tannins: potential application in biotransformation and bioremediation of tannery wastewaters. Applied Microbiology and Biotechnology, 2018, 102, 4203-4216.	1.7	16
53	Shed Light in the DaRk LineagES of the Fungal Tree of Lifeâ€”STRES. Life, 2020, 10, 362.	1.1	16
54	Fungal Waste-Biomasses as Potential Low-Cost Biosorbents for Decolorization of Textile Wastewaters. Water (Switzerland), 2012, 4, 770-784.	1.2	14

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55	Influence of Culture Medium on Fungal Biomass Composition and Biosorption Effectiveness. Current Microbiology, 2012, 64, 50-59.	1.0	14
56	The antimicrobial potential of algicolous marine fungi for counteracting multidrug-resistant bacteria: phylogenetic diversity and chemical profiling. Research in Microbiology, 2016, 167, 492-500.	1.0	14
57	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.	3.9	14
58	Degradative properties of two newly isolated strains of the ascomycetes Fusarium oxysporum and Lecanicillium aphanocladii. International Microbiology, 2019, 22, 103-110.	1.1	13
59	Fungal Diversity in the Neptune Forest: Comparison of the Mycobiota of Posidonia oceanica, Flabellia petiolata, and Padina pavonica. Frontiers in Microbiology, 2020, 11, 933.	1.5	13
60	Identification of fungal ene-reductase activity by means of a functional screening. Fungal Biology, 2015, 119, 487-493.	1.1	12
61	Evaluation of an eventual ecotoxicity induced by textile effluents using a battery of biotests. Environmental Science and Pollution Research, 2015, 22, 16700-16708.	2.7	12
62	Extraction of short chain chitooligosaccharides from fungal biomass and their use as promoters of arbuscular mycorrhizal symbiosis. Scientific Reports, 2021, 11, 3798.	1.6	11
63	Effects of Biological and Chemical Treatments against Heterobasidion annosum on the Microfungal Communities of Picea abies Stumps. Mycologia, 1999, 91, 747.	0.8	10
64	Biocatalysed reduction of carboxylic acids to primary alcohols in aqueous medium: A novel synthetic capability of the zygomycete fungus Syncephalastrum racemosum. Journal of Molecular Catalysis B: Enzymatic, 2015, 116, 83-88.	1.8	10
65	The effects of book disinfection to the airborne microbiological community in a library environment. Aerobiologia, 2018, 34, 29-44.	0.7	10
66	Fungal Pretreatments on Non-Sterile Solid Digestate to Enhance Methane Yield and the Sustainability of Anaerobic Digestion. Sustainability, 2020, 12, 8549.	1.6	10
67	SELECTION OF STRAINS AND CARRIERS TO COMBINE FUNGI AND ACTIVATED SLUDGE IN WASTEWATER BIOREMEDIATION. Environmental Engineering and Management Journal, 2012, 11, 1789-1796.	0.2	10
68	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.	1.9	9
69	PERN: an EUâ€“Russia initiative for rhizosphere microbial resources. Trends in Biotechnology, 2015, 33, 377-380.	4.9	9
70	Stimulation of laccases from Trametes pubescens: Use in dye decolorization and cotton bleaching. Preparative Biochemistry and Biotechnology, 2016, 46, 639-647.	1.0	9
71	Corallospora mediterranea: A Novel Species Complex in the Mediterranean Sea. Applied Sciences (Switzerland), 2021, 11, 5452.	1.3	9
72	Old Yellow Enzyme homologues in Mucor circinelloides: expression profile and biotransformation. Scientific Reports, 2017, 7, 12093.	1.6	8

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73	The role of cosubstrate and mixing on fungal biofilm efficiency in the removal of tannins. Environmental Technology (United Kingdom), 2020, 41, 3515-3523.	1.2	8
74	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.	1.5	7
75	Wastewater-Agar as a selection environment: A first step towards a fungal in-situ bioaugmentation strategy. Ecotoxicology and Environmental Safety, 2019, 171, 443-450.	2.9	6
76	Trichoderma harzianum ceratoâ€platanin enhances hydrolysis of lignocellulosic materials. Microbial Biotechnology, 2021, 14, 1699-1706.	2.0	6
77	Long-Term Effects on Other Fungi Are Studied in Biological and Chemical Stump Treatments in the Fight against Heterobasidion annosum Coll.. Mycologia, 2003, 95, 379.	0.8	5
78	The culturable mycobiota associated with the Mediterranean sponges Aplysina cavernicola, Crambe crambe and Phorbas tenacior. FEMS Microbiology Letters, 2019, 366, .	0.7	5
79	Biosorption with autochthonous and allochthonous fungal biomasses for bioremediation and detoxification of landfill leachate. Environmental Earth Sciences, 2018, 77, 1.	1.3	4
80	Elbamycella rosea gen. et sp. nov. (Juncigenaceae, Torpedosporales) isolated from the Mediterranean Sea. MycoKeys, 2019, 55, 15-28.	0.8	4
81	Antifungal activity of bis-azasqualenes, inhibitors of oxidosqualene cyclase. Mycoses, 2010, 53, 481-487.	1.8	3
82	FUNGAL LACCASES PRODUCTION USING TOMATO-BASED MEDIUM: A FACTORIAL DESIGN APPROACH. Environmental Engineering and Management Journal, 2015, 14, 1743-1750.	0.2	3
83	Dihydroauroglaucin Isolated from the Mediterranean Sponge Grantia compressa Endophyte Marine Fungus Eurotium chevalieri Inhibits Migration of Human Neuroblastoma Cells. Pharmaceutics, 2022, 14, 616.	2.0	2
84	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.	1.3	1