Georgios I Zervakis

List of Publications by Year
in descending order

96	3,230	117625	175258
papers	citations	34 h-index	52 g-index

98	98	98	3113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 191-200.	3.6	161
2	Role of ethylene in the protection of tomato plants against soil-borne fungal pathogens conferred by an endophytic Fusarium solani strain. Journal of Experimental Botany, 2007, 58, 3853-3864.	4.8	146
3	Bioconversion of lignocellulosic residues by Agrocybe cylindracea and Pleurotus ostreatus mushroom fungi â€“ Assessment of their effect on the final product and spent substrate properties. Food Chemistry, 2014, 161, 127-135.	8.2	136
4	Mycelium growth kinetics and optimal temperature conditions for the cultivation of edible mushroom species on lignocellulosic substrates. Folia Microbiologica, 2001, 46, 231-234.	2.3	118
5	Medicinal mushrooms: Valuable biological resources of high exploitation potential. Plant Biosystems, 2017, 151, 548-565.	1.6	117
6	Evaluation of white-rot fungi for detoxification and decolorization of effluents from the green olive debittering process. Applied Microbiology and Biotechnology, 2002, 59, 353-360.	3.6	100
7	Genetic polymorphism and taxonomic infrastructure of the Pleurotus eryngii species-complex as determined by RAPD analysis, isozyme profiles and ecomorphological characters. Microbiology (United Kingdom), 2001, 147, 3183-3194.	1.8	81
8	Suppression of soil-borne pathogens of tomato by composts derived from agro-industrial wastes abundant in Mediterranean regions. Biology and Fertility of Soils, 2008, 44, 1081-1090.	4.3	81
9	Molecular phylogeny, biogeography and speciation of the mushroom species Pleurotus cystidiosus and allied taxa. Microbiology (United Kingdom), 2004, 150, 715-726.	1.8	78
10	A pluralistic approach in the study of Pleurotus species with emphasis on compatibility and physiology of the European morphotaxa. Mycological Research, 1996, 100, 717-731.	2.5	74
11	Title is missing!. World Journal of Microbiology and Biotechnology, 2003, 19, 551-557.	3.6	72
12	Local and systemic resistance against fungal pathogens of tomato plants elicited by a compost derived from agricultural residues. Physiological and Molecular Plant Pathology, 2005, 66, 163-174.	2.5	67
13	Biodegradation and detoxification of olive mill wastewater by selected strains of the mushroom genera Ganoderma and Pleurotus. Chemosphere, 2012, 88, 620-626.	8.2	66
14	Edible mushrooms from olive oil mill wastes. International Biodeterioration and Biodegradation, 1996, 38, 237-243.	3.9	63
15	Halotalea alkalilenta gen. nov., sp. nov., a novel osmotolerant and alkalitolerant bacterium from alkaline olive mill wastes, and emended description of the family Halomonadaceae Franzmann et al. 1989, emend. Dobson and Franzmann 1996. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1975-1983.	1.7	62
16	Antagonistic bacteria of composted agro-industrial residues exhibit antibiosis against soil-borne fungal plant pathogens and protection of tomato plants from Fusarium oxysporum f.sp. radicis-lycopersici. Plant and Soil, 2010, 333, 233-247.	3.7	60
17	Accumulation of heavy metals by wild edible mushrooms with respect to soil substrates in the Athens metropolitan area (Greece). Science of the Total Environment, 2019, 685, 280-296.	8.0	59
18	Olive mill wastewater affects the structure of soil bacterial communities. Applied Soil Ecology, 2010, 45, 101-111.	4.3	57

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19	The effects of olives harvest period and production year on olive mill wastewater properties â€“ Evaluation of Pleurotus strains as bioindicators of the effluentâ€™s toxicity. Chemosphere, 2013, 92, 399-405.	8.2	57
20	Bacterial Diversity in Spent Mushroom Compost Assessed by Amplified rDNA Restriction Analysis and Sequencing of Cultivated Isolates. Systematic and Applied Microbiology, 2004, 27, 746-754.	2.8	55
21	Composted versus Raw Olive Mill Waste as Substrates for the Production of Medicinal Mushrooms: An Assessment of Selected Cultivation and Quality Parameters. BioMed Research International, 2013, 2013, 1-13.	1.9	53
22	Toward an Increased Functionality in Oyster (Pleurotus) Mushrooms Produced on Grape Marc or Olive Mill Wastes Serving as Sources of Bioactive Compounds. Journal of Agricultural and Food Chemistry, 2018, 66, 5971-5983.	5.2	52
23	Olive mill wastewater biodegradation potential of white-rot fungi â€“ Mode of action of fungal culture extracts and effects of ligninolytic enzymes. Bioresource Technology, 2015, 189, 121-130.	9.6	51
24	Genetic variability and systematics of eleven Pleurotus species based on isozyme analysis. Mycological Research, 1994, 98, 329-341.	2.5	50
25	Genetic relatedness among dioecious Ficus carica L. cultivars by random amplified polymorphic DNA analysis, and evaluation of agronomic and morphological characters. Genetica, 2002, 114, 183-194.	1.1	50
26	Pleurotus Mushrooms Content in Glucans and Ergosterol Assessed by ATR-FTIR Spectroscopy and Multivariate Analysis. Foods, 2020, 9, 535.	4.3	48
27	Ecophysiology and molecular phylogeny of bacteria isolated from alkaline two-phase olive mill wastes. Research in Microbiology, 2006, 157, 376-385.	2.1	47
28	Olivibacter sitiensis gen. nov., sp. nov., isolated from alkaline olive-oil mill wastes in the region of Sitia, Crete. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 398-404.	1.7	47
29	Detoxification of Olive Mill Wastewater and Bioconversion of Olive Crop Residues into High-Value-Added Biomass by the Choice Edible Mushroom Hericium erinaceus. Applied Biochemistry and Biotechnology, 2016, 180, 195-209.	2.9	46
30	Bioactive compounds and antioxidant activity exhibit high intraspecific variability in Pleurotus ostreatus mushrooms and correlate well with cultivation performance parameters. World Journal of Microbiology and Biotechnology, 2017, 33, 98.	3.6	45
31	A reappraisal of the Pleurotus eryngii complex â€“ New species and taxonomic combinations based on the application of a polyphasic approach, and an identification key to Pleurotus taxa associated with Apiaceae plants. Fungal Biology, 2014, 118, 814-834.	2.5	44
32	Degradation of olive mill wastewater by the induced extracellular ligninolytic enzymes of two wood-rot fungi. Journal of Environmental Management, 2017, 203, 791-798.	7.8	42
33	Macrofungi as ecosystem resources: Conservation versus exploitation. Plant Biosystems, 2013, 147, 219-225.	1.6	38
34	Cytological and Other Aspects of Pathogenesis-related Gene Expression in Tomato Plants Grown on a Suppressive Compost. Annals of Botany, 2006, 98, 555-564.	2.9	37
35	Effects of Rich in Î²-Glucans Edible Mushrooms on Aging Gut Microbiota Characteristics: An In Vitro Study. Molecules, 2020, 25, 2806.	3.8	35
36	Valorization of Olive By-Products as Substrates for the Cultivation of Ganoderma lucidum and Pleurotus ostreatus Mushrooms with Enhanced Functional and Prebiotic Properties. Catalysts, 2019, 9, 537.	3.5	34

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37	The use of chitosan in protecting wooden artifacts from damage by mold fungi. Electronic Journal of Biotechnology, 2016, 24, 70-78.	2.2	32
38	Enhancing the nutritional and functional properties of Pleurotus citrinopileatus mushrooms through the exploitation of winery and olive mill wastes. Food Chemistry, 2022, 370, 131022.	8.2	32
39	Application of respiration and FDA hydrolysis measurements for estimating microbial activity during composting processes. Biology and Fertility of Soils, 2006, 42, 330-337.	4.3	31
40	Rapid strain classification and taxa delimitation within the edible mushroom genus Pleurotus through the use of diffuse reflectance infrared Fourier transform (DRIFT) spectroscopy. Fungal Biology, 2012, 116, 715-728.	2.5	31
41	A global meta-analysis of ITS rDNA sequences from material belonging to the genus Ganoderma (Basidiomycota, Polyporales) including new data from selected taxa. MycoKeys, 2020, 75, 71-143.	1.9	27
42	Rare earth elements concentration in mushroom cultivation substrates affects the production process and fruitâ€bodies content of <scp>P</scp>leurotus ostreatus and <scp>C</scp>yclocybe cylindracea. Journal of the Science of Food and Agriculture, 2018, 98, 5418-5427.	3.5	26
43	Comparative Examination of the Olive Mill Wastewater Biodegradation Process by Various Wood-Rot Macrofungi. BioMed Research International, 2014, 2014, 1-14.	1.9	24
44	Effects of fungal beta-glucans on health â€“ a systematic review of randomized controlled trials. Food and Function, 2021, 12, 3366-3380.	4.6	24
45	Genetic variability and molecular phylogeny of Pleurotus eryngii species-complex isolates from Iran, and notes on the systematics of Asiatic populations. Mycological Progress, 2010, 9, 181-194.	1.4	22
46	Effect of continuous olive mill wastewater applications, in the presence and absence of nitrogen fertilization, on the structure of rhizosphere-soil fungal communities. FEMS Microbiology Ecology, 2009, 70, 388-401.	2.7	21
47	Elemental Content in Pleurotus ostreatus and Cyclocybe cylindracea Mushrooms: Correlations with Concentrations in Cultivation Substrates and Effects on the Production Process. Molecules, 2020, 25, 2179.	3.8	21
48	Volatile Profiling of Pleurotus eryngii and Pleurotus ostreatus Mushrooms Cultivated on Agricultural and Agro-Industrial By-Products. Foods, 2021, 10, 1287.	4.3	21
49	FTIR assessment of compositional changes in lignocellulosic wastes during cultivation of Cyclocybe cylindracea mushrooms and use of chemometric models to predict production performance. Journal of Material Cycles and Waste Management, 2020, 22, 1027-1035.	3.0	21
50	Residues and by-products of olive-oil mills for root-zone heating and plant nutrition in organic vegetable production. Scientia Horticulturae, 2005, 106, 293-308.	3.6	20
51	Repeated application of diluted olive mill wastewater induces changes in the structure of the soil microbial community. European Journal of Soil Biology, 2010, 46, 34-40.	3.2	20
52	Fermentation ofPleurotus ostreatusandGanoderma lucidummushrooms and their extracts by the gut microbiota of healthy and osteopenic women: potential prebiotic effect and impact of mushroom fermentation products on human osteoblasts. Food and Function, 2021, 12, 1529-1546.	4.6	19
53	High quality draft genome sequence of Olivibacter sitiensis type strain (AW-6T), a diphenol degrader with genes involved in the catechol pathway. Standards in Genomic Sciences, 2014, 9, 783-793.	1.5	18
54	Free Amino Acids in Three Pleurotus Species Cultivated on Agricultural and Agro-Industrial By-Products. Molecules, 2020, 25, 4015.	3.8	18

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55	On the Identification and Quantification of Ergothioneine and Lovastatin in Various Mushroom Species: Assets and Challenges of Different Analytical Approaches. Molecules, 2021, 26, 1832.	3.8	18
56	Pleurotus eryngii improves postprandial glycaemia, hunger and fullness perception, and enhances ghrelin suppression in people with metabolically unhealthy obesity. Pharmacological Research, 2022, 175, 105979.	7.1	18
57	Biomass and Cordycepin Production by the Medicinal Mushroom Cordyceps militarisâ€"A Review of Various Aspects and Recent Trends towards the Exploitation of a Valuable Fungus. Journal of Fungi (Basel, Switzerland), 2021, 7, 986.	3.5	18
58	Calcium chloride irrigation influence on yield, calcium content, quality and shelf-life of the white mushroomAgaricus bisporus. Journal of the Science of Food and Agriculture, 2001, 81, 1447-1454.	3.5	16
59	Macrofungi in Mediterranean maquis along seashore and altitudinal transects. Plant Biosystems, 2014, 148, 367-376.	1.6	15
60	Mating competence and biological species within the subgenus Coremiopleurotus. Mycologia, 1998, 90, 1063-1074.	1.9	14
61	Diversity of macrofungi in the Greek islands of Lesvos and Agios Efstratios, NE Aegean Sea. Nova Hedwigia, 2016, 102, 439-475.	0.4	14
62	Genoprotective Properties and Metabolites of Î²-Glucan-Rich Edible Mushrooms Following Their In Vitro Fermentation by Human Faecal Microbiota. Molecules, 2020, 25, 3554.	3.8	14
63	Ecology, Phylogeny, and Potential Nutritional and Medicinal Value of a Rare White â€œMaitakeâ€• Collected in a Mediterranean Forest. Diversity, 2020, 12, 230.	1.7	14
64	Raw and fungal-treated olive-mill wastewater effects on selected parameters of lettuce (Lactuca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 728-735.	1.5	13
65	Annotated Checklist of Basidiomycota (Subclass Agaricomycetidae) from the Islands of Naxos and Amorgos (Cyclades, Greece). Annales Botanici Fennici, 2012, 49, 145-161.	0.1	13
66	Prediction of indigenous Pseudomonas spp. growth on oyster mushrooms (Pleurotus ostreatus) as a function of storage temperature. LWT - Food Science and Technology, 2019, 111, 506-512.	5.2	13
67	Multiple evolutionary origins of sequestrate species in the agaricoid genus Chlorophyllum. Mycologia, 2020, 112, 400-422.	1.9	13
68	Solid-State Fermentation of Plant Residues and Agro-industrial Wastes for the Production of Medicinal Mushrooms. Medicinal and Aromatic Plants of the World, 2017, , 365-396.	0.2	12
69	Mating Competence and Biological Species within the Subgenus Coremiopleurotus. Mycologia, 1998, 90, 1063.	1.9	11
70	Building the jigsaw puzzle of the critically endangered Pleurotus nebrodensis: historical collection sites and an emended description. Mycotaxon, 2011, 115, 107-114.	0.3	11
71	Pleurotus opuntiae revisited â€“ An insight to the phylogeny of dimitic Pleurotus species with emphasis on the P.Âdjamor complex. Fungal Biology, 2019, 123, 188-199.	2.5	11
72	A Comparative Assessment of the Potential of Polysaccharide Production and Intracellular Sugar Composition within Lingzhi or Reishi Medicinal Mushroom, Ganoderma lucidum (W.Curt.:Fr.)P. Karst. (Aphyllophoromycetideae). International Journal of Medicinal Mushrooms, 2011, 13, 153-158.	1.5	11

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73	Immunomodulating Activity of Pleurotus eryngii Mushrooms Following Their In Vitro Fermentation by Human Fecal Microbiota. Journal of Fungi (Basel, Switzerland), 2022, 8, 329.	3.5	11
74	Diversity of Basidiomycota (subclass Agaricomycetidae) in the island of Andros (Cyclades, Greece). Nova Hedwigia, 2012, 95, 25-58.	0.4	10
75	First record of the natural occurrence in Europe of the basidiomycete Pleurotus cystidiosus on a new host. Mycological Research, 1992, 96, 874-876.	2.5	9
76	Taxonomic Identity, Geographic Distribution, and Commercial Exploitation of the Culinary-Medicinal Mushroom Pleurotus nebrodensis (Basidiomycetes). International Journal of Medicinal Mushrooms, 2016, 18, 59-65.	1.5	9
77	The use of hydroxyl-radical-generating systems for the treatment of olive mill wastewaters. Folia Microbiologica, 2006, 51, 337-341.	2.3	8
78	The family Hymenochaetaceae (Agaricomycetes, Basidiomycota) in the islands of the Aegean Archipelago (Greece). Plant Biosystems, 2013, 147, 306-314.	1.6	8
79	Trace Elements in Pleurotus Ostreatus, P. Eryngii, and P. Nebrodensis Mushrooms Cultivated on Various Agricultural By-Products. Analytical Letters, 2019, 52, 2692-2709.	1.8	8
80	Tuber pulchrosporum sp. nov., a black truffle of the Aestivum clade (Tuberaceae, Pezizales) from the Balkan peninsula. MycoKeys, 2019, 47, 35-51.	1.9	8
81	Has taxonomic vandalism gone too far? A case study, the rise of the pay-to-publish model and the pitfalls of Morchella systematics. Mycological Progress, 2022, 21, 7-38.	1.4	8
82	Characterization of cultivated fungi isolated from grape marc wastes through the use of amplified rDNA restriction analysis and sequencing. Journal of Microbiology, 2010, 48, 297-306.	2.8	6
83	High-quality permanent draft genome sequence of the extremely osmotolerant diphenol degrading bacterium Halotalea alkalilenta AW-7T, and emended description of the genus Halotalea. Standards in Genomic Sciences, 2015, 10, 52.	1.5	5
84	Diversity of macrofungi and exploitation of edible mushroom resources in the National Park â€œAppennino Lucano, Val D'Agri, Lagonegreseâ€•(Italy). Plant Biosystems, 2016, 150, 1030-1037.	1.6	5
85	Taxonomic relationships among non-macrocystidiate taxa of Lactarius subg. Russularia from Europe with special reference to species from Greece. Mycological Progress, 2015, 14, 1.	1.4	4
86	Heterobasidiomycetous fungi from Aegean Islands (Greece): New annotated records for a neglected group. Plant Biosystems, 2016, 150, 295-303.	1.6	4
87	Mallocybe heimii ectomycorrhizae with Cistus creticus and Pinus halepensis in Mediterranean littoral sand dunesÂâ€”Âassessment of phylogenetic relationships to M. arenaria and M. agardhii. Mycorrhiza, 2021, 31, 497-510.	2.8	4
88	Fermentation Supernatants of Pleurotus eryngii Mushroom Ameliorate Intestinal Epithelial Barrier Dysfunction in Lipopolysaccharide-Induced Caco-2 Cells via Upregulation of Tight Junctions. Microorganisms, 2021, 9, 2071.	3.6	4
89	Diversity of saproxylic basidiomycetes in Quercus ilex woodlands of central and insular Greece. Plant Biosystems, 2019, 153, 385-397.	1.6	3
90	Phylogeny, ecology and distribution of the rare Mediterranean species Lactarius pseudoscrobiculatus (Basidiomycota, Russulales). Plant Systematics and Evolution, 2019, 305, 755-764.	0.9	3

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91	Basidiomycetes Associated with Alnus glutinosa Habitats in Andros Island (Cyclades, Greece). Diversity, 2020, 12, 232.	1.7	2
92	Cultivation of the King-Oyster Mushroom Pleurotus eryngii (DC.:Fr.) QuÃ©l. on Substrates Deriving from the Olive-Oil Industry. International Journal of Medicinal Mushrooms, 2005, 7, 486-487.	1.5	1
93	(2749) Proposal to conserve Chlorophyllum nom. cons. against the additional name Secotium (Agaricaceae). Taxon, 2020, 69, 819-820.	0.7	1
94	Medicinal Mushrooms as Part of the "Third Mission" Activities of Univesities - A Science to Business Initiative Related to Mycotherapy. International Journal of Medicinal Mushrooms, 2020, 22, 1237-1242.	1.5	1
95	Taxonomic notes and critical discussion on the status of Hydnum notarisii (Basidiomycota) through the evaluation of Giuseppe Inzenga's original study material. Nova Hedwigia, 2016, 102, 539-546.	0.4	0
96	On the identification and quantification of ergothioneine and lovastatin in muhsroom species: A comparison between different analytical approaches. , 0, , .		0