

Georgios I Zervakis

List of Publications by Year in descending order

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96
papers

3,230
citations

117453

34
h-index

174990

52
g-index

98
all docs

98
docs citations

98
times ranked

3113
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the nutritional and functional properties of <i>Pleurotus citrinopileatus</i> mushrooms through the exploitation of winery and olive mill wastes. <i>Food Chemistry</i> , 2022, 370, 131022.	4.2	32
2	<i>Pleurotus eryngii</i> improves postprandial glycaemia, hunger and fullness perception, and enhances ghrelin suppression in people with metabolically unhealthy obesity. <i>Pharmacological Research</i> , 2022, 175, 105979.	3.1	18
3	Has taxonomic vandalism gone too far? A case study, the rise of the pay-to-publish model and the pitfalls of <i>Morchella</i> systematics. <i>Mycological Progress</i> , 2022, 21, 7-38.	0.5	8
4	Immunomodulating Activity of <i>Pleurotus eryngii</i> Mushrooms Following Their In Vitro Fermentation by Human Fecal Microbiota. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 329.	1.5	11
5	Effects of fungal beta-glucans on health – a systematic review of randomized controlled trials. <i>Food and Function</i> , 2021, 12, 3366-3380.	2.1	24
6	On the Identification and Quantification of Ergothioneine and Lovastatin in Various Mushroom Species: Assets and Challenges of Different Analytical Approaches. <i>Molecules</i> , 2021, 26, 1832.	1.7	18
7	Volatile Profiling of <i>Pleurotus eryngii</i> and <i>Pleurotus ostreatus</i> Mushrooms Cultivated on Agricultural and Agro-Industrial By-Products. <i>Foods</i> , 2021, 10, 1287.	1.9	21
8	<i>Mallocybe heimii</i> ectomycorrhizae with <i>Cistus creticus</i> and <i>Pinus halepensis</i> in Mediterranean littoral sand dunes – Assessment of phylogenetic relationships to <i>M. arenaria</i> and <i>M. agardhii</i> . <i>Mycorrhiza</i> , 2021, 31, 497-510.	1.3	4
9	Fermentation of <i>Pleurotus ostreatus</i> and <i>Ganoderma lucidum</i> mushrooms and their extracts by the gut microbiota of healthy and osteopenic women: potential prebiotic effect and impact of mushroom fermentation products on human osteoblasts. <i>Food and Function</i> , 2021, 12, 1529-1546.	2.1	19
10	Fermentation Supernatants of <i>Pleurotus eryngii</i> Mushroom Ameliorate Intestinal Epithelial Barrier Dysfunction in Lipopolysaccharide-Induced Caco-2 Cells via Upregulation of Tight Junctions. <i>Microorganisms</i> , 2021, 9, 2071.	1.6	4
11	Biomass and Cordycepin Production by the Medicinal Mushroom <i>Cordyceps militaris</i> – A Review of Various Aspects and Recent Trends towards the Exploitation of a Valuable Fungus. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 986.	1.5	18
12	(2749) Proposal to conserve <i>Chlorophyllum</i> nom. cons. against the additional name <i>Secotium</i> (<i>Agaricaceae</i>). <i>Taxon</i> , 2020, 69, 819-820.	0.4	1
13	Free Amino Acids in Three <i>Pleurotus</i> Species Cultivated on Agricultural and Agro-Industrial By-Products. <i>Molecules</i> , 2020, 25, 4015.	1.7	18
14	Genoprotective Properties and Metabolites of β -Glucan-Rich Edible Mushrooms Following Their In Vitro Fermentation by Human Faecal Microbiota. <i>Molecules</i> , 2020, 25, 3554.	1.7	14
15	Elemental Content in <i>Pleurotus ostreatus</i> and <i>Cyclocybe cylindracea</i> Mushrooms: Correlations with Concentrations in Cultivation Substrates and Effects on the Production Process. <i>Molecules</i> , 2020, 25, 2179.	1.7	21
16	Ecology, Phylogeny, and Potential Nutritional and Medicinal Value of a Rare White “Maitake” Collected in a Mediterranean Forest. <i>Diversity</i> , 2020, 12, 230.	0.7	14
17	Multiple evolutionary origins of sequestrate species in the agaricoid genus <i>Chlorophyllum</i> . <i>Mycologia</i> , 2020, 112, 400-422.	0.8	13
18	Basidiomycetes Associated with <i>Alnus glutinosa</i> Habitats in Andros Island (Cyclades, Greece). <i>Diversity</i> , 2020, 12, 232.	0.7	2

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19	Effects of Rich in β -Glucans Edible Mushrooms on Aging Gut Microbiota Characteristics: An In Vitro Study. <i>Molecules</i> , 2020, 25, 2806.	1.7	35
20	Pleurotus Mushrooms Content in Glucans and Ergosterol Assessed by ATR-FTIR Spectroscopy and Multivariate Analysis. <i>Foods</i> , 2020, 9, 535.	1.9	48
21	FTIR assessment of compositional changes in lignocellulosic wastes during cultivation of <i>Cyclocybe cylindracea</i> mushrooms and use of chemometric models to predict production performance. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1027-1035.	1.6	21
22	A global meta-analysis of ITS rDNA sequences from material belonging to the genus <i>Ganoderma</i> (Basidiomycota, Polyporales) including new data from selected taxa. <i>MycKeys</i> , 2020, 75, 71-143.	0.8	27
23	Medicinal Mushrooms as Part of the "Third Mission" Activities of Universities - A Science to Business Initiative Related to Mycotherapy. <i>International Journal of Medicinal Mushrooms</i> , 2020, 22, 1237-1242.	0.9	1
24	Diversity of saproxylic basidiomycetes in <i>Quercus ilex</i> woodlands of central and insular Greece. <i>Plant Biosystems</i> , 2019, 153, 385-397.	0.8	3
25	Phylogeny, ecology and distribution of the rare Mediterranean species <i>Lactarius pseudoscrobiculatus</i> (Basidiomycota, Russulales). <i>Plant Systematics and Evolution</i> , 2019, 305, 755-764.	0.3	3
26	Valorization of Olive By-Products as Substrates for the Cultivation of <i>Ganoderma lucidum</i> and <i>Pleurotus ostreatus</i> Mushrooms with Enhanced Functional and Prebiotic Properties. <i>Catalysts</i> , 2019, 9, 537.	1.6	34
27	Accumulation of heavy metals by wild edible mushrooms with respect to soil substrates in the Athens metropolitan area (Greece). <i>Science of the Total Environment</i> , 2019, 685, 280-296.	3.9	59
28	Prediction of indigenous <i>Pseudomonas</i> spp. growth on oyster mushrooms (<i>Pleurotus ostreatus</i>) as a function of storage temperature. <i>LWT - Food Science and Technology</i> , 2019, 111, 506-512.	2.5	13
29	Trace Elements in <i>Pleurotus Ostreatus</i> , <i>P. Eryngii</i> , and <i>P. Nebrodensis</i> Mushrooms Cultivated on Various Agricultural By-Products. <i>Analytical Letters</i> , 2019, 52, 2692-2709.	1.0	8
30	<i>Pleurotus opuntiae</i> revisited – An insight to the phylogeny of dimitic <i>Pleurotus</i> species with emphasis on the P. Δ adjamor complex. <i>Fungal Biology</i> , 2019, 123, 188-199.	1.1	11
31	<i>Tuber pulchrosporum</i> sp. nov., a black truffle of the <i>Aestivum</i> clade (Tuberaceae, Pezizales) from the Balkan peninsula. <i>MycKeys</i> , 2019, 47, 35-51.	0.8	8
32	Rare earth elements concentration in mushroom cultivation substrates affects the production process and fruitâ€¢bodies content of <i>Pleurotus ostreatus</i> and <i>Cyclocybe cylindracea</i> . <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5418-5427.	1.7	26
33	Toward an Increased Functionality in Oyster (<i>Pleurotus</i>) Mushrooms Produced on Grape Marc or Olive Mill Wastes Serving as Sources of Bioactive Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5971-5983.	2.4	52
34	Degradation of olive mill wastewater by the induced extracellular ligninolytic enzymes of two wood-rot fungi. <i>Journal of Environmental Management</i> , 2017, 203, 791-798.	3.8	42
35	Medicinal mushrooms: Valuable biological resources of high exploitation potential. <i>Plant Biosystems</i> , 2017, 151, 548-565.	0.8	117
36	Bioactive compounds and antioxidant activity exhibit high intraspecific variability in <i>Pleurotus ostreatus</i> mushrooms and correlate well with cultivation performance parameters. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 98.	1.7	45

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37	Solid-State Fermentation of Plant Residues and Agro-industrial Wastes for the Production of Medicinal Mushrooms. <i>Medicinal and Aromatic Plants of the World</i> , 2017, , 365-396.	0.1	12
38	Heterobasidiomycetous fungi from Aegean Islands (Greece): New annotated records for a neglected group. <i>Plant Biosystems</i> , 2016, 150, 295-303.	0.8	4
39	Taxonomic notes and critical discussion on the status of <i>Hydnum notarisii</i> (Basidiomycota) through the evaluation of Giuseppe Inzenga's original study material. <i>Nova Hedwigia</i> , 2016, 102, 539-546.	0.2	0
40	Diversity of macrofungi in the Greek islands of Lesbos and Agios Efstratios, NE Aegean Sea. <i>Nova Hedwigia</i> , 2016, 102, 439-475.	0.2	14
41	Detoxification of Olive Mill Wastewater and Bioconversion of Olive Crop Residues into High-Value-Added Biomass by the Choice Edible Mushroom <i>Herichium erinaceus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 195-209.	1.4	46
42	The use of chitosan in protecting wooden artifacts from damage by mold fungi. <i>Electronic Journal of Biotechnology</i> , 2016, 24, 70-78.	1.2	32
43	Diversity of macrofungi and exploitation of edible mushroom resources in the National Park "Appennino Lucano, Val D'Agri, Lagonegrese" (Italy). <i>Plant Biosystems</i> , 2016, 150, 1030-1037.	0.8	5
44	Taxonomic Identity, Geographic Distribution, and Commercial Exploitation of the Culinary-Medicinal Mushroom <i>Pleurotus nebrodensis</i> (Basidiomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2016, 18, 59-65.	0.9	9
45	High-quality permanent draft genome sequence of the extremely osmotolerant diphenol degrading bacterium <i>Halotalea alkalilenta</i> AW-7T, and emended description of the genus <i>Halotalea</i> . <i>Standards in Genomic Sciences</i> , 2015, 10, 52.	1.5	5
46	Olive mill wastewater biodegradation potential of white-rot fungi " Mode of action of fungal culture extracts and effects of ligninolytic enzymes. <i>Bioresource Technology</i> , 2015, 189, 121-130.	4.8	51
47	Taxonomic relationships among non-macrocytidiata taxa of <i>Lactarius</i> subg. <i>Russularia</i> from Europe with special reference to species from Greece. <i>Mycological Progress</i> , 2015, 14, 1.	0.5	4
48	Comparative Examination of the Olive Mill Wastewater Biodegradation Process by Various Wood-Rot Macrofungi. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	24
49	Macrofungi in Mediterranean maquis along seashore and altitudinal transects. <i>Plant Biosystems</i> , 2014, 148, 367-376.	0.8	15
50	A reappraisal of the <i>Pleurotus eryngii</i> complex " New species and taxonomic combinations based on the application of a polyphasic approach, and an identification key to <i>Pleurotus</i> taxa associated with Apiaceae plants. <i>Fungal Biology</i> , 2014, 118, 814-834.	1.1	44
51	Bioconversion of lignocellulosic residues by <i>Agrocybe cylindracea</i> and <i>Pleurotus ostreatus</i> mushroom fungi " Assessment of their effect on the final product and spent substrate properties. <i>Food Chemistry</i> , 2014, 161, 127-135.	4.2	136
52	High quality draft genome sequence of <i>Olivibacter sitiensis</i> type strain (AW-6T), a diphenol degrader with genes involved in the catechol pathway. <i>Standards in Genomic Sciences</i> , 2014, 9, 783-793.	1.5	18
53	The family Hymenochaetaceae (Agaricomycetes, Basidiomycota) in the islands of the Aegean Archipelago (Greece). <i>Plant Biosystems</i> , 2013, 147, 306-314.	0.8	8
54	The effects of olives harvest period and production year on olive mill wastewater properties " Evaluation of <i>Pleurotus</i> strains as bioindicators of the effluent's toxicity. <i>Chemosphere</i> , 2013, 92, 399-405.	4.2	57

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55	Macrofungi as ecosystem resources: Conservation versus exploitation. <i>Plant Biosystems</i> , 2013, 147, 219-225.	0.8	38
56	Composted versus Raw Olive Mill Waste as Substrates for the Production of Medicinal Mushrooms: An Assessment of Selected Cultivation and Quality Parameters. <i>BioMed Research International</i> , 2013, 2013, 1-13.	0.9	53
57	Raw and fungal-treated olive-mill wastewater effects on selected parameters of lettuce (<i>Lactuca</i>) Tj ETQq1 1 0.784314 rgBT /Over Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 728-735.	0.7	13
58	Diversity of Basidiomycota (subclass Agaricomycetidae) in the island of Andros (Cyclades, Greece). <i>Nova Hedwigia</i> , 2012, 95, 25-58.	0.2	10
59	Annotated Checklist of Basidiomycota (Subclass Agaricomycetidae) from the Islands of Naxos and Amorgos (Cyclades, Greece). <i>Annales Botanici Fennici</i> , 2012, 49, 145-161.	0.0	13
60	Rapid strain classification and taxa delimitation within the edible mushroom genus <i>Pleurotus</i> through the use of diffuse reflectance infrared Fourier transform (DRIFT) spectroscopy. <i>Fungal Biology</i> , 2012, 116, 715-728.	1.1	31
61	Biodegradation and detoxification of olive mill wastewater by selected strains of the mushroom genera <i>Ganoderma</i> and <i>Pleurotus</i> . <i>Chemosphere</i> , 2012, 88, 620-626.	4.2	66
62	Building the jigsaw puzzle of the critically endangered <i>Pleurotus nebrodensis</i> : historical collection sites and an emended description. <i>Mycotaxon</i> , 2011, 115, 107-114.	0.1	11
63	A Comparative Assessment of the Potential of Polysaccharide Production and Intracellular Sugar Composition within Lingzhi or Reishi Medicinal Mushroom, <i>Ganoderma lucidum</i> (W.Curt.:Fr.)P. Karst. (Aphyllphoromycetidae). <i>International Journal of Medicinal Mushrooms</i> , 2011, 13, 153-158.	0.9	11
64	Characterization of cultivated fungi isolated from grape marc wastes through the use of amplified rDNA restriction analysis and sequencing. <i>Journal of Microbiology</i> , 2010, 48, 297-306.	1.3	6
65	Genetic variability and molecular phylogeny of <i>Pleurotus eryngii</i> species-complex isolates from Iran, and notes on the systematics of Asiatic populations. <i>Mycological Progress</i> , 2010, 9, 181-194.	0.5	22
66	Antagonistic bacteria of composted agro-industrial residues exhibit antibiosis against soil-borne fungal plant pathogens and protection of tomato plants from <i>Fusarium oxysporum</i> f.sp. <i>radicis-lycopersici</i> . <i>Plant and Soil</i> , 2010, 333, 233-247.	1.8	60
67	Repeated application of diluted olive mill wastewater induces changes in the structure of the soil microbial community. <i>European Journal of Soil Biology</i> , 2010, 46, 34-40.	1.4	20
68	Olive mill wastewater affects the structure of soil bacterial communities. <i>Applied Soil Ecology</i> , 2010, 45, 101-111.	2.1	57
69	Effect of continuous olive mill wastewater applications, in the presence and absence of nitrogen fertilization, on the structure of rhizosphere-soil fungal communities. <i>FEMS Microbiology Ecology</i> , 2009, 70, 388-401.	1.3	21
70	Suppression of soil-borne pathogens of tomato by composts derived from agro-industrial wastes abundant in Mediterranean regions. <i>Biology and Fertility of Soils</i> , 2008, 44, 1081-1090.	2.3	81
71	Role of ethylene in the protection of tomato plants against soil-borne fungal pathogens conferred by an endophytic <i>Fusarium solani</i> strain. <i>Journal of Experimental Botany</i> , 2007, 58, 3853-3864.	2.4	146
72	<i>Olivibacter sitiensis</i> gen. nov., sp. nov., isolated from alkaline olive-oil mill wastes in the region of Sitia, Crete. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 398-404.	0.8	47

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73	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.	0.8	62
74	Ecophysiology and molecular phylogeny of bacteria isolated from alkaline two-phase olive mill wastes. Research in Microbiology, 2006, 157, 376-385.	1.0	47
75	Application of respiration and FDA hydrolysis measurements for estimating microbial activity during composting processes. Biology and Fertility of Soils, 2006, 42, 330-337.	2.3	31
76	The use of hydroxyl-radical-generating systems for the treatment of olive mill wastewaters. Folia Microbiologica, 2006, 51, 337-341.	1.1	8
77	Cytological and Other Aspects of Pathogenesis-related Gene Expression in Tomato Plants Grown on a Suppressing Compost. Annals of Botany, 2006, 98, 555-564.	1.4	37
78	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.	0.9	1
79	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.	1.3	67
80	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.	1.7	20
81	Molecular phylogeny, biogeography and speciation of the mushroom species Pleurotus cystidiosus and allied taxa. Microbiology (United Kingdom), 2004, 150, 715-726.	0.7	78
82	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.	1.2	55
83	Title is missing!. World Journal of Microbiology and Biotechnology, 2003, 19, 551-557.	1.7	72
84	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.	1.7	100
85	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.	0.5	50
86	Mycelium growth kinetics and optimal temperature conditions for the cultivation of edible mushroom species on lignocellulosic substrates. Folia Microbiologica, 2001, 46, 231-234.	1.1	118
87	Calcium chloride irrigation influence on yield, calcium content, quality and shelf-life of the white mushroom Agaricus bisporus. Journal of the Science of Food and Agriculture, 2001, 81, 1447-1454.	1.7	16
88	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 191-200.	1.7	161
89	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.	0.7	81
90	Mating Competence and Biological Species within the Subgenus Coremiopleurotus. Mycologia, 1998, 90, 1063.	0.8	11

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91	Mating competence and biological species within the subgenus <i>Coremiopleurotus</i> . <i>Mycologia</i> , 1998, 90, 1063-1074.	0.8	14
92	A pluralistic approach in the study of <i>Pleurotus</i> species with emphasis on compatibility and physiology of the European morphotaxa. <i>Mycological Research</i> , 1996, 100, 717-731.	2.5	74
93	Edible mushrooms from olive oil mill wastes. <i>International Biodeterioration and Biodegradation</i> , 1996, 38, 237-243.	1.9	63
94	Genetic variability and systematics of eleven <i>Pleurotus</i> species based on isozyme analysis. <i>Mycological Research</i> , 1994, 98, 329-341.	2.5	50
95	First record of the natural occurrence in Europe of the basidiomycete <i>Pleurotus cystidiosus</i> on a new host. <i>Mycological Research</i> , 1992, 96, 874-876.	2.5	9
96	On the identification and quantification of ergothioneine and lovastatin in mushrooms species: A comparison between different analytical approaches. , 0, , .		0