

Segula Masaphy

List of Publications by Year in descending order

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34
papers

824
citations

567281

15
h-index

501196

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34
docs citations

34
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	True morels (<i>Morchella</i>)’ nutritional and phytochemical composition, health benefits and flavor: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 1888-1901.	10.3	109
2	Evidence for cytochrome P-450 and P-450-mediated benzo(a) pyrene hydroxylation in the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>FEMS Microbiology Letters</i> , 1996, 135, 51-55.	1.8	80
3	Synthesis and application of chitosan-copper nanoparticles on damping off causing plant pathogenic fungi. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 1387-1395.	7.5	77
4	Partial Identification of Antifungal Compounds from <i>Punica granatum</i> Peel Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4841-4848.	5.2	72
5	Isolation and Characterization of a Novel Atrazine Metabolite Produced by the Fungus <i>Pleurotus pulmonarius</i> , 2-Chloro-4-Ethylamino-6-(1-Hydroxyisopropyl)Amino-1,3,5-Triazine. <i>Applied and Environmental Microbiology</i> , 1993, 59, 4342-4346.	3.1	61
6	Biotechnology of morel mushrooms: successful fruiting body formation and development in a soilless system. <i>Biotechnology Letters</i> , 2010, 32, 1523-1527.	2.2	56
7	Synthesis and antibacterial activity of solanum torvum mediated silver nanoparticle against <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> and <i>Ralstonia solanacearum</i> . <i>Journal of Biotechnology</i> , 2020, 309, 20-28.	3.8	43
8	Chemical and physical parameters in recycling organic wastes for mushroom production. <i>Biological Wastes</i> , 1988, 26, 341-348.	0.2	32
9	Scanning Electron Microscope Studies of Interactions between <i>Agaricus bisporus</i> (Lang) Sing Hyphae and Bacteria in Casing Soil. <i>Applied and Environmental Microbiology</i> , 1987, 53, 1132-1137.	3.1	30
10	Aroma’ volatile profile of black morel (<i>Morchella importuna</i>) grown in Israel. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 346-353.	3.5	27
11	The effect of lignocellulose on lignocellulolytic activity of <i>Pleurotus pulmonarius</i> in submerged culture. <i>Applied Microbiology and Biotechnology</i> , 1992, 36, 828.	3.6	23
12	Immobilization of <i>Rhus vernicifera</i> laccase on sepiolite; effect of chitosan and copper modification on laccase adsorption and activity. <i>Applied Clay Science</i> , 2018, 152, 143-147.	5.2	21
13	Engineering of Heterologous Cytochrome P450 in <i>Acinetobacter</i> sp.: Application for Pollutant Degradation. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 797-802.	2.1	20
14	Atrazine mineralization in slurries from soils irrigated with treated waste water. <i>Applied Soil Ecology</i> , 1997, 6, 283-291.	4.3	18
15	Increasing tolerance to and degradation of high p-nitrophenol concentrations by inoculum size manipulations of <i>Arthrobacter</i> 4H1 ² isolated from agricultural soil. <i>International Biodeterioration and Biodegradation</i> , 2013, 84, 80-85.	3.9	18
16	External ultrastructure of fruit body initiation in <i>Morchella</i> . <i>Mycological Research</i> , 2005, 109, 508-512.	2.5	15
17	Parathion Degradation by <i>Xanthomonas</i> sp. and Its Crude Enzyme Extract in Clay Suspensions. <i>Journal of Environmental Quality</i> , 1996, 25, 1248-1255.	2.0	14
18	Introduced <i>Tuber aestivum</i> replacing introduced <i>Tuber melanosporum</i> : a case study. <i>Agroforestry Systems</i> , 2012, 84, 337-343.	2.0	14

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19	Changes in soil bacteria functional ecology associated with <i>Morchella rufobrunnea</i> fruiting in a natural habitat. <i>Environmental Microbiology</i> , 2021, 23, 6651-6662.	3.8	14
20	Observations on post-fire black morel ascocarp development in an Israeli burnt forest site and their preferred micro-sites. <i>Fungal Ecology</i> , 2013, 6, 316-318.	1.6	13
21	Resistance response enhancement and reduction of <i>Botrytis cinerea</i> infection in strawberry fruit by <i>Morchella conica</i> mycelial extract. <i>Postharvest Biology and Technology</i> , 2021, 175, 111470.	6.0	11
22	In Vitro Antileishmanial Activity of a Black Morel, <i>Morchella importuna</i> (Ascomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2018, 20, 71-80.	1.5	11
23	Comparison of rose bengal-chloramphenicol and modified aureomycin-rose bengal-glucose-peptone agar as media for the enumeration of molds and yeasts in water by membrane filtration techniques. <i>Journal of Microbiological Methods</i> , 2009, 76, 310-312.	1.6	9
24	Chemotyping of three <i>Morchella</i> species reveals species- and age-related aroma volatile biomarkers. <i>LWT - Food Science and Technology</i> , 2022, 154, 112587.	5.2	8
25	<i>Morchella conica</i> ; Pers. proliferation in post-fire forests in northern Israel. <i>Israel Journal of Plant Sciences</i> , 2008, 56, 315-319.	0.5	6
26	A novel echinocandin MIG0310 with anticandida activity from newly isolated <i>Fusarium</i> sp. strain MS-R1. <i>Journal of Applied Microbiology</i> , 2014, 116, 1458-1464.	3.1	6
27	Biodegradation of p-nitrophenol sorbed onto crystal violet-modified organoclay by <i>Arthrobacter</i> sp. 4H12. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1321-1327.	3.6	4
28	First Report on <i>Purpureocillium lilacinum</i> Infection of Indoor-Cultivated Morel Primordia. <i>Agriculture (Switzerland)</i> , 2022, 12, 695.	3.1	4
29	Free Radical Scavenging Activity of Culinary-Medicinal Morel Mushrooms, <i>Morchella Dill. ex Pers.</i> (Ascomycetes): Relation to Color and Phenol Contents. <i>International Journal of Medicinal Mushrooms</i> , 2010, 12, 299-307.	1.5	3
30	Laboratory study of fungal bioreceptivity of different fractions of composite flooring tiles showing efflorescence. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5251-5260.	3.6	2
31	Development of Media for Growth and Enumeration of Fungi from Water. , 2013, , 201-209.		1
32	Laccase enhancement and antifungal toxicity reduction: Bidirectional influences between Pomegranate peel extract and <i>Morchella conica</i> mycelium activity. <i>Bioresource Technology Reports</i> , 2022, 17, 100936.	2.7	1
33	Effect of medium composition on 1-octen-3-ol formation in submerged cultures of <i>Pleurotus pulmonarius</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 629-633.	3.6	1
34	Introduction of new exotic mushroom species into cultivation in Israel. <i>Israel Journal of Plant Sciences</i> , 2008, 56, 295-301.	0.5	0