

Katrin Krause

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

529
citations

687363

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h-index

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31
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31
docs citations

31
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal adaptation and transport in hyphae of the wood-rot fungus <i>Schizophyllum commune</i> . Journal of Hazardous Materials, 2022, 425, 127978.	12.4	14
2	Geosmin synthase <i>ges1</i> knockdown by siRNA in the dikaryotic fungus <i>Tricholoma vaccinum</i> . Journal of Basic Microbiology, 2022, 62, 109-115.	3.3	3
3	Ectomycorrhizal Influence on the Dynamics of Sesquiterpene Release by <i>Tricholoma vaccinum</i> . Journal of Fungi (Basel, Switzerland), 2022, 8, 555.	3.5	6
4	Phytohormones and volatile organic compounds, like geosmin, in the ectomycorrhiza of <i>Tricholoma vaccinum</i> and Norway spruce (<i>Picea abies</i>). Mycorrhiza, 2021, 31, 173-188.	2.8	16
5	Function of sesquiterpenes from <i>Schizophyllum commune</i> in interspecific interactions. PLoS ONE, 2021, 16, e0245623.	2.5	10
6	What Role Might Non-Mating Receptors Play in <i>Schizophyllum commune</i> ?. Journal of Fungi (Basel,) 10 Tf 50	3.5	11
7	Inositol Signaling in the Basidiomycete Fungus <i>Schizophyllum commune</i> . Journal of Fungi (Basel,) 8	3.5	14
8	Organic acids, siderophores, enzymes and mechanical pressure for black slate bioweathering with the basidiomycete <i>Schizophyllum commune</i> . Environmental Microbiology, 2020, 22, 1535-1546.	3.8	33
9	Response of the wood-decay fungus <i>Schizophyllum commune</i> to co-occurring microorganisms. PLoS ONE, 2020, 15, e0232145.	2.5	19
10	Metal release and sequestration from black slate mediated by a laccase of <i>Schizophyllum commune</i> . Environmental Science and Pollution Research, 2019, 26, 5-13.	5.3	6
11	The Ectomycorrhizospheric Habitat of Norway Spruce and <i>Tricholoma vaccinum</i> : Promotion of Plant Growth and Fitness by a Rich Microorganismic Community. Frontiers in Microbiology, 2019, 10, 307.	3.5	19
12	Crosstalk between Ras and inositol phosphate signaling revealed by lithium action on inositol monophosphatase in <i>Schizophyllum commune</i> . Advances in Biological Regulation, 2019, 72, 78-88.	2.3	8
13	Smelling the difference: Transcriptome, proteome and volatilome changes after mating. Fungal Genetics and Biology, 2018, 112, 2-11.	2.1	21
14	Enzymatic Bioweathering and Metal Mobilization From Black Slate by the Basidiomycete <i>Schizophyllum commune</i> . Frontiers in Microbiology, 2018, 9, 2545.	3.5	9
15	The regulator of G-protein signalling <i>Thn1</i> links pheromone response to volatile production in <i>Schizophyllum commune</i> . Environmental Microbiology, 2018, 20, 3684-3699.	3.8	9
16	Response to lead pollution: mycorrhizal <i>Pinus sylvestris</i> forms the biomineral pyromorphite in roots and needles. Environmental Science and Pollution Research, 2017, 24, 14455-14462.	5.3	7
17	Influence of zygomycete-derived <i>D</i> -orenone on IAA signalling in <i>Tricholoma</i> spruce ectomycorrhiza. Environmental Microbiology, 2016, 18, 2470-2480.	3.8	9
18	Dehydrogenase genes in the ectomycorrhizal fungus <i>Tricholoma vaccinum</i> : A role for <i>Ald1</i> in mycorrhizal symbiosis. Journal of Basic Microbiology, 2016, 56, 162-174.	3.3	7

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19	Hydrophobins in the Life Cycle of the Ectomycorrhizal Basidiomycete <i>Tricholoma vaccinum</i> . PLoS ONE, 2016, 11, e0167773.	2.5	35
20	Dynein Heavy Chain, Encoded by Two Genes in Agaricomycetes, Is Required for Nuclear Migration in <i>Schizophyllum commune</i> . PLoS ONE, 2015, 10, e0135616.	2.5	9
21	<i>Tricholoma vaccinum</i> host communication during ectomycorrhiza formation. FEMS Microbiology Ecology, 2015, 91, fiv120.	2.7	15
22	A transporter for abiotic stress and plant metabolite resistance in the ectomycorrhizal fungus <i>Tricholoma vaccinum</i> . Environmental Science and Pollution Research, 2015, 22, 19384-19393.	5.3	22
23	Monitoring metabolites from <i>Schizophyllum commune</i> interacting with <i>Hypholoma fasciculare</i> combining LESA- ^{HR} mass spectrometry and Raman microscopy. Analytical and Bioanalytical Chemistry, 2015, 407, 2273-2282.	3.7	25
24	Biosynthesis and Secretion of Indole-3-Acetic Acid and Its Morphological Effects on <i>Tricholoma vaccinum</i> -Spruce Ectomycorrhiza. Applied and Environmental Microbiology, 2015, 81, 7003-7011.	3.1	63
25	Differential regulation of multi-copper oxidases in <i>Schizophyllum commune</i> during sexual development. Mycological Progress, 2014, 13, 1199.	1.4	21
26	11 Ectomycorrhiza-Specific Gene Expression. , 2013, , 295-312.		2
27	Role of Mycorrhiza in Re-forestation at Heavy Metal-Contaminated Sites. Soil Biology, 2012, , 183-199.	0.8	3
28	Modulation of ethanol stress tolerance by aldehyde dehydrogenase in the mycorrhizal fungus <i>Tricholoma vaccinum</i> . Mycorrhiza, 2012, 22, 471-484.	2.8	33
29	Use of RNA fingerprinting to identify fungal genes specifically expressed during ectomycorrhizal interaction. Journal of Basic Microbiology, 2006, 46, 387-399.	3.3	21
30	Identification of a Hydrophobin Gene That is Developmentally Regulated in the Ectomycorrhizal Fungus <i>Tricholoma terreum</i> . Applied and Environmental Microbiology, 2002, 68, 1408-1413.	3.1	65