

Monika Schmoll

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9056831/publications.pdf>

Version: 2024-02-01

86
papers

9,566
citations

66315

42
h-index

56687

83
g-index

94
all docs

94
docs citations

94
times ranked

6876
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequencing and analysis of the biomass-degrading fungus <i>Trichoderma reesei</i> (syn. <i>Hypocrea</i>) Tj ETQq1 1	9.4	1,516
2	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007, 25, 221-231.	9.4	1,047
3	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of <i>Trichoderma</i> . <i>Genome Biology</i> , 2011, 12, R40.	3.8	594
4	Genome, transcriptome, and secretome analysis of wood decay fungus <i>Postia placenta</i> supports unique mechanisms of lignocellulose conversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1954-1959.	3.3	530
5	Biology and biotechnology of <i>Trichoderma</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 787-799.	1.7	525
6	A versatile toolkit for high throughput functional genomics with <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2012, 5, 1.	6.2	434
7	<i>Trichoderma</i> Research in the Genome Era. <i>Annual Review of Phytopathology</i> , 2013, 51, 105-129.	3.5	370
8	Metabolic engineering strategies for the improvement of cellulase production by <i>Hypocrea jecorina</i> . <i>Biotechnology for Biofuels</i> , 2009, 2, 19.	6.2	353
9	Plant Cell Wall Deconstruction by Ascomycete Fungi. <i>Annual Review of Microbiology</i> , 2013, 67, 477-498.	2.9	328
10	Comparative genomics of <i>Ceriporiopsis subvermispora</i> and <i>Phanerochaete chrysosporium</i> provide insight into selective ligninolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5458-5463.	3.3	259
11	Light regulation of metabolic pathways in fungi. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1259-1277.	1.7	213
12	The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three <i>Trichoderma</i> Species. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 205-327.	2.9	194
13	Sexual development in the industrial workhorse <i>Trichoderma reesei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13909-13914.	3.3	178
14	Envoy, a PAS/LOV Domain Protein of <i>Hypocrea jecorina</i> (Anamorph <i>Trichoderma reesei</i>), Modulates Cellulase Gene Transcription in Response to Light. <i>Eukaryotic Cell</i> , 2005, 4, 1998-2007.	3.4	147
15	Transcriptomic response of the mycoparasitic fungus <i>Trichoderma atroviride</i> to the presence of a fungal prey. <i>BMC Genomics</i> , 2009, 10, 567.	1.2	141
16	Gene targeting in a nonhomologous end joining deficient <i>Hypocrea jecorina</i> . <i>Journal of Biotechnology</i> , 2009, 139, 146-151.	1.9	134
17	The G-Alpha Protein GNA3 of <i>Hypocrea jecorina</i> (Anamorph <i>Trichoderma reesei</i>) Regulates Cellulase Gene Expression in the Presence of Light. <i>Eukaryotic Cell</i> , 2009, 8, 410-420.	3.4	121
18	Crucial factors of the light perception machinery and their impact on growth and cellulase gene transcription in <i>Trichoderma reesei</i> . <i>Fungal Genetics and Biology</i> , 2010, 47, 468-476.	0.9	119

#	ARTICLE	IF	CITATIONS
19	Regulation of plant cell wall degradation by light in <i>Trichoderma</i> . <i>Fungal Biology and Biotechnology</i> , 2018, 5, 10.	2.5	113
20	Roles of Protein Kinase A and Adenylate Cyclase in Light-Modulated Cellulase Regulation in <i>Trichoderma reesei</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2168-2178.	1.4	106
21	Nucleosome transactions on the <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>) cellulase promoter <i>cbh2</i> associated with cellulase induction. <i>Molecular Genetics and Genomics</i> , 2003, 270, 46-55.	1.0	102
22	<i>Trichoderma</i> in the light of day – Physiology and development. <i>Fungal Genetics and Biology</i> , 2010, 47, 909-916.	0.9	102
23	New insights into the mechanism of light modulated signaling by heterotrimeric G-proteins: ENVOY acts on <i>gna1</i> and <i>gna3</i> and adjusts cAMP levels in <i>Trichoderma reesei</i> (<i>Hypocrea jecorina</i>). <i>Fungal Genetics and Biology</i> , 2011, 48, 631-640.	0.9	102
24	Global Carbon Utilization Profiles of Wild-Type, Mutant, and Transformant Strains of <i>Hypocrea jecorina</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 2126-2133.	1.4	99
25	Analysis of the <i>Phlebiopsis gigantea</i> Genome, Transcriptome and Secretome Provides Insight into Its Pioneer Colonization Strategies of Wood. <i>PLoS Genetics</i> , 2014, 10, e1004759.	1.5	90
26	Light-dependent roles of the G-protein $\beta\gamma$ subunit GNA1 of <i>Hypocrea jecorina</i> (anamorph <i>Trichoderma</i>) Tj ETQq0 0 Q r gBT /Overlock 10 T	1.7	84
27	The information highways of a biotechnological workhorse – signal transduction in <i>Hypocrea jecorina</i> . <i>BMC Genomics</i> , 2008, 9, 430.	1.2	82
28	Targets of light signalling in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2013, 14, 657.	1.2	81
29	Regulation of <i>Trichoderma</i> cellulase formation: lessons in molecular biology from an industrial fungus. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2003, 50, 125-145.	0.4	78
30	The phosducin-like protein PhLP1 impacts regulation of glycoside hydrolases and light response in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2011, 12, 613.	1.2	78
31	Impact of light on <i>Hypocrea jecorina</i> and the multiple cellular roles of ENVOY in this process. <i>BMC Genomics</i> , 2007, 8, 449.	1.2	76
32	Unravelling the molecular basis for light modulated cellulase gene expression - the role of photoreceptors in <i>Neurospora crassa</i> . <i>BMC Genomics</i> , 2012, 13, 127.	1.2	70
33	Cloning of genes expressed early during cellulase induction in <i>Hypocrea jecorina</i> by a rapid subtraction hybridization approach. <i>Fungal Genetics and Biology</i> , 2004, 41, 877-887.	0.9	69
34	Analysis of Light- and Carbon-Specific Transcriptomes Implicates a Class of G-Protein-Coupled Receptors in Cellulose Sensing. <i>MSphere</i> , 2017, 2, .	1.3	61
35	Photostimulation of <i>Hypocrea atroviridis</i> growth occurs due to a cross-talk of carbon metabolism, blue light receptors and response to oxidative stress. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1229-1241.	0.7	59
36	Mating type-dependent partner sensing as mediated by <i>VEL</i> 1 in <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2015, 96, 1103-1118.	1.2	59

#	ARTICLE	IF	CITATIONS
37	A novel class of peptide pheromone precursors in ascomycetous fungi. <i>Molecular Microbiology</i> , 2010, 77, 1483-1501.	1.2	51
38	ENVOY Is a Major Determinant in Regulation of Sexual Development in <i>Hypocrea jecorina</i> (Trichoderma). <i>Journal of Microbiology and Biotechnology</i> , 2010, 10, 507-512.	3.4	51
39	Structural Biochemistry of a Fungal LOV Domain Photoreceptor Reveals an Evolutionarily Conserved Pathway Integrating Light and Oxidative Stress. <i>Structure</i> , 2015, 23, 116-125.	1.6	51
40	A CRE1- regulated cluster is responsible for light dependent production of dihydrotrichotetronin in <i>Trichoderma reesei</i> . <i>PLoS ONE</i> , 2017, 12, e0182530.	1.1	51
41	Sulphur metabolism and cellulase gene expression are connected processes in the filamentous fungus <i>Hypocrea jecorina</i> (anamorph <i>Trichoderma reesei</i>). <i>BMC Microbiology</i> , 2008, 8, 174.	1.3	50
42	Abundance of Secreted Proteins of <i>Trichoderma reesei</i> Is Regulated by Light of Different Intensities. <i>Frontiers in Microbiology</i> , 2017, 8, 2586.	1.5	45
43	The role of pheromone receptors for communication and mating in <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>). <i>Journal of Microbiology and Biotechnology</i> , 2011, 11, 784-791.	0.9	44
44	Light, stress, sex and carbon – The photoreceptor ENVOY as a central checkpoint in the physiology of <i>Trichoderma reesei</i> . <i>Fungal Biology</i> , 2018, 122, 479-486.	1.1	44
45	Blue Light Acts as a Double-Edged Sword in Regulating Sexual Development of <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>). <i>PLoS ONE</i> , 2012, 7, e44969.	1.1	43
46	YPR2 is a regulator of light modulated carbon and secondary metabolism in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2019, 20, 211.	1.2	43
47	Crossroads between light response and nutrient signalling: ENV1 and PhLP1 act as mutual regulatory pair in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2014, 15, 425.	1.2	42
48	SUB1 has photoreceptor dependent and independent functions in sexual development and secondary metabolism in <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2017, 106, 742-759.	1.2	39
49	Relevance of the light signaling machinery for cellulase expression in <i>trichoderma reesei</i> (<i>hypocrea</i>). <i>Journal of Microbiology and Biotechnology</i> , 2011, 11, 784-791.	0.6	33
50	In vitro activity and synergism of amphotericin B, azoles and cationic antimicrobials against the emerging pathogen <i>Trichoderma</i> spp.. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 1058-1061.	1.3	32
51	Identification of potential marker genes for <i>Trichoderma harzianum</i> strains with high antagonistic potential against <i>Rhizoctonia solani</i> by a rapid subtraction hybridization approach. <i>Current Genetics</i> , 2009, 55, 81-91.	0.8	32
52	<i>Trichoderma reesei</i> meiosis generates segmentally aneuploid progeny with higher xylanase-producing capability. <i>Biotechnology for Biofuels</i> , 2015, 8, 30.	6.2	30
53	Protein phosphatases regulate growth, development, cellulases and secondary metabolism in <i>Trichoderma reesei</i> . <i>Scientific Reports</i> , 2019, 9, 10995.	1.6	30
54	Colonization of <i>Vitis vinifera</i> L. by the Endophyte <i>Trichoderma</i> sp. Strain T154: Biocontrol Activity Against <i>Phaeoacremonium minimum</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 1170.	1.7	29

#	ARTICLE	IF	CITATIONS
55	Dehydrogenase GRD1 Represents a Novel Component of the Cellulase Regulon in <i>Trichoderma reesei</i> (<i>Hypocrea jecorina</i>). <i>Applied and Environmental Microbiology</i> , 2011, 77, 4553-4563.	1.4	28
56	The role of PKAc1 in gene regulation and trichodimerol production in <i>Trichoderma reesei</i> . <i>Fungal Biology and Biotechnology</i> , 2019, 6, 12.	2.5	28
57	Interrelationships of VEL1 and ENV1 in light response and development in <i>Trichoderma reesei</i> . <i>PLoS ONE</i> , 2017, 12, e0175946.	1.1	26
58	The Lipoxygenase Lox1 Is Involved in Light and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus <i>Trichoderma atroviride</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 2004.	1.5	26
59	Antagonism of <i>Pythium</i> blight of zucchini by <i>Hypocrea jecorina</i> does not require cellulase gene expression but is improved by carbon catabolite derepression. <i>FEMS Microbiology Letters</i> , 2006, 257, 145-151.	0.7	25
60	Recombinant production of an <i>Aspergillus nidulans</i> class I hydrophobin (DewA) in <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>) is promoter-dependent. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 95-103.	1.7	25
61	Broad Substrate-Specific Phosphorylation Events Are Associated With the Initial Stage of Plant Cell Wall Recognition in <i>Neurospora crassa</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2317.	1.5	25
62	CLR1 and CLR2 are light dependent regulators of xylanase and pectinase genes in <i>Trichoderma reesei</i> . <i>Fungal Genetics and Biology</i> , 2020, 136, 103315.	0.9	24
63	A Native Threonine Coordinates Ordered Water to Tune Light-Oxygen-Voltage (LOV) Domain Photocycle Kinetics and Osmotic Stress Signaling in <i>Trichoderma reesei</i> ENVOY. <i>Journal of Biological Chemistry</i> , 2016, 291, 14839-14850.	1.6	23
64	ooc1, a unique gene expressed only during growth of <i>Hypocrea jecorina</i> (anamorph: <i>Trichoderma</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	22
65	Omics Analyses of <i>Trichoderma reesei</i> CBS999.97 and QM6a Indicate the Relevance of Female Fertility to Carbohydrate-Active Enzyme and Transporter Levels. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	22
66	Assessing the Relevance of Light for Fungi. <i>Advances in Applied Microbiology</i> , 2011, 76, 27-78.	1.3	21
67	Regulation of Glycoside Hydrolase Expression in <i>Trichoderma</i> . , 2014, , 291-308.		20
68	Gene regulation associated with sexual development and female fertility in different isolates of <i>Trichoderma reesei</i> . <i>Fungal Biology and Biotechnology</i> , 2018, 5, 9.	2.5	20
69	Draft genome sequence of a monokaryotic model brown-rot fungus <i>Postia</i> (<i>Rhodonia</i>) <i>placenta</i> SB12. <i>Genomics Data</i> , 2017, 14, 21-23.	1.3	19
70	The G-protein Coupled Receptor GPR8 Regulates Secondary Metabolism in <i>Trichoderma reesei</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 558996.	2.0	13
71	The Kinase USK1 Regulates Cellulase Gene Expression and Secondary Metabolite Biosynthesis in <i>Trichoderma reesei</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 974.	1.5	13
72	Comparative Genomic Analysis of <i>Dactylonectria torresensis</i> Strains from Grapevine, Soil and Weed Highlights Potential Mechanisms in Pathogenicity and Endophytic Lifestyle. <i>Journal of Fungi</i> (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		

#	ARTICLE	IF	CITATIONS
73	Heterotrimeric G-protein signaling and light response. <i>Communicative and Integrative Biology</i> , 2009, 2, 308-310.	0.6	8
74	Protoplast Transformation for Genome Manipulation in Fungi. <i>Fungal Biology</i> , 2015, , 21-40.	0.3	8
75	<i>Trichoderma reesei</i> Isolated From Austrian Soil With High Potential for Biotechnological Application. <i>Frontiers in Microbiology</i> , 2021, 12, 552301.	1.5	8
76	10 Genomics Analysis of Biocontrol biocontrol Species and Industrial Enzyme Producers from the Genus <i>Trichoderma</i> . <i>Trichoderma</i> , 2014, , 233-264.		7
77	17 Sexual Development in <i>Trichoderma</i> . , 2016, , 457-474.		7
78	Novel Approaches to Improve Cellulase Biosynthesis for Biofuel Production – Adjusting Signal Transduction Pathways in the Biotechnological Workhorse <i>Trichoderma reesei</i> . , 0, , .		7
79	Draft Genome Sequence of the Root-Colonizing Fungus <i>Trichoderma harzianum</i> B97. <i>Genome Announcements</i> , 2017, 5, .	0.8	6
80	Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. <i>Fungal Biology</i> , 2016, , 309-334.	0.3	5
81	Sexual development, its determinants, and regulation in <i>Trichoderma reesei</i> . , 2020, , 185-206.		3
82	Resistance Marker- and Gene Gun-Mediated Transformation of <i>Trichoderma reesei</i> . <i>Methods in Molecular Biology</i> , 2021, 2234, 55-62.	0.4	3
83	<i>Trichoderma reesei</i> . <i>Trends in Microbiology</i> , 2022, 30, 403-404.	3.5	3
84	Editorial: Light Regulation of Metabolic Networks in Microbes. <i>Frontiers in Microbiology</i> , 2022, 13, 829106.	1.5	1
85	New cytochalasans from an endophytic <i>Xylaria</i> species associated with Costa Rican <i>Palicourea elata</i> (Rubiaceae). <i>Natural Product Research</i> , 2021, , 1-8.	1.0	0
86	Literature search and data collection on RA for human health for microorganisms used as plant protection products. <i>EFSA Supporting Publications</i> , 2015, 12, 801E.	0.3	0