

Monika Schmoll

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89

papers

7,408

citations

38

h-index

86

g-index

94

ext. papers

8,782

ext. citations

6.4

avg, IF

5.85

L-index

#	Paper	IF	Citations
89	Genome sequencing and analysis of the biomass-degrading fungus <i>Trichoderma reesei</i> (syn. <i>Hypocrea jecorina</i>). <i>Nature Biotechnology</i> , 2008 , 26, 553-60	44.5	920
88	Genome sequencing and analysis of the versatile cell factory <i>Aspergillus niger</i> CBS 513.88. <i>Nature Biotechnology</i> , 2007 , 25, 221-31	44.5	889
87	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, 1954-9	11.5	479
86	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of <i>Trichoderma</i> . <i>Genome Biology</i> , 2011 , 12, R40	18.3	448
85	Biology and biotechnology of <i>Trichoderma</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 787-99	5.7	415
84	A versatile toolkit for high throughput functional genomics with <i>Trichoderma reesei</i> . <i>Biotechnology for Biofuels</i> , 2012 , 5, 1	7.8	318
83	Metabolic engineering strategies for the improvement of cellulase production by <i>Hypocrea jecorina</i> . <i>Biotechnology for Biofuels</i> , 2009 , 2, 19	7.8	295
82	<i>Trichoderma</i> research in the genome era. <i>Annual Review of Phytopathology</i> , 2013 , 51, 105-29	10.8	259
81	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, 5458-63	11.5	225
80	Plant cell wall deconstruction by ascomycete fungi. <i>Annual Review of Microbiology</i> , 2013 , 67, 477-98	17.5	223
79	Light regulation of metabolic pathways in fungi. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 1259-37	3.7	157
78	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, 13909-14	11.5	142
77	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		124
76	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	13.2	118
75	Transcriptomic response of the mycoparasitic fungus <i>Trichoderma atroviride</i> to the presence of a fungal prey. <i>BMC Genomics</i> , 2009 , 10, 567	4.5	118
74	Gene targeting in a nonhomologous end joining deficient <i>Hypocrea jecorina</i> . <i>Journal of Biotechnology</i> , 2009 , 139, 146-51	3.7	115
73	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, 410-20		103

72	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, 468-76	3.9	98
71	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	3.1	92
70	Global carbon utilization profiles of wild-type, mutant, and transformant strains of <i>Hypocrea jecorina</i> . <i>Applied and Environmental Microbiology</i> , 2006 , 72, 2126-33	4.8	86
69	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, 2168-78	4.8	83
68	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, 631-40	3.9	81
67	<i>Trichoderma</i> in the light of day--physiology and development. <i>Fungal Genetics and Biology</i> , 2010 , 47, 909-16	3.9	79
66	Regulation of <i>Trichoderma</i> cellulase formation: lessons in molecular biology from an industrial fungus. A review. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2003 , 50, 125-45	1.8	70
65	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	6	67
64	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	4.5	66
63	Light-dependent roles of the G-protein alpha subunit GNA1 of <i>Hypocrea jecorina</i> (anamorph <i>Trichoderma reesei</i>). <i>BMC Biology</i> , 2009 , 7, 58	7.3	65
62	The phosphatidylinositol 3-kinase-like protein PhLP1 impacts regulation of glycoside hydrolases and light response in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2011 , 12, 613	4.5	64
61	The information highways of a biotechnological workhorse--signal transduction in <i>Hypocrea jecorina</i> . <i>BMC Genomics</i> , 2008 , 9, 430	4.5	61
60	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, 877-87	3.9	58
59	Targets of light signalling in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2013 , 14, 657	4.5	55
58	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	4.5	53
57	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	2.9	50
56	Regulation of plant cell wall degradation by light in. <i>Fungal Biology and Biotechnology</i> , 2018 , 5, 10	7.5	45
55	A novel class of peptide pheromone precursors in ascomycetous fungi. <i>Molecular Microbiology</i> , 2010 , 77, 1483-501	4.1	41

54	ENVOY is a major determinant in regulation of sexual development in <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>). <i>Eukaryotic Cell</i> , 2012 , 11, 885-95		41
53	Mating type-dependent partner sensing as mediated by VEL1 in <i>Trichoderma reesei</i> . <i>Molecular Microbiology</i> , 2015 , 96, 1103-18	4.1	40
52	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	4.5	39
51	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	5.2	37
50	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	3.7	36
49	Analysis of Light- and Carbon-Specific Transcriptomes Implicates a Class of G-Protein-Coupled Receptors in Cellulose Sensing. <i>MSphere</i> , 2017 , 2,	5	33
48	The role of pheromone receptors for communication and mating in <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>). <i>Fungal Genetics and Biology</i> , 2012 , 49, 814-24	3.9	33
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	4.5	31
46	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, 1058-61	5.1	29
45	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	2.9	27
44	Relevance of the light signaling machinery for cellulase expression in <i>Trichoderma reesei</i> (<i>Hypocrea jecorina</i>). <i>BMC Research Notes</i> , 2010 , 3, 330	2.3	27
43	<i>Trichoderma reesei</i> meiosis generates segmentally aneuploid progeny with higher xylanase-producing capability. <i>Biotechnology for Biofuels</i> , 2015 , 8, 30	7.8	26
42	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, 145-51	2.9	23
41	A CRE1- regulated cluster is responsible for light dependent production of dihydrotrichotetronin in <i>Trichoderma reesei</i> . <i>PLoS ONE</i> , 2017 , 12, e0182530	3.7	23
40	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, 4553-63	4.8	22
39	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	2.8	22
38	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	5.7	20
37	ooc1, a unique gene expressed only during growth of <i>Hypocrea jecorina</i> (anamorph: <i>Trichoderma reesei</i>) on cellulose. <i>Current Genetics</i> , 2005 , 48, 126-33	2.9	18

36	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, 14839-50	5.4	18
35	YPR2 is a regulator of light modulated carbon and secondary metabolism in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2019 , 20, 211	4.5	17
34	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	4.1	16
33	Abundance of Secreted Proteins of <i>Is</i> Regulated by Light of Different Intensities. <i>Frontiers in Microbiology</i> , 2017 , 8, 2586	5.7	16
32	Assessing the relevance of light for fungi: Implications and insights into the network of signal transmission. <i>Advances in Applied Microbiology</i> , 2011 , 76, 27-78	4.9	16
31	The role of PKAc1 in gene regulation and trichodimerol production in. <i>Fungal Biology and Biotechnology</i> , 2019 , 6, 12	7.5	14
30	Protein phosphatases regulate growth, development, cellulases and secondary metabolism in <i>Trichoderma reesei</i> . <i>Scientific Reports</i> , 2019 , 9, 10995	4.9	14
29	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,	4.8	14
28	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	3.9	14
27	Broad Substrate-Specific Phosphorylation Events Are Associated With the Initial Stage of Plant Cell Wall Recognition in. <i>Frontiers in Microbiology</i> , 2019 , 10, 2317	5.7	14
26	Interrelationships of VEL1 and ENV1 in light response and development in <i>Trichoderma reesei</i> . <i>PLoS ONE</i> , 2017 , 12, e0175946	3.7	13
25	Regulation of Glycoside Hydrolase Expression in <i>Trichoderma</i> 2014 , 291-308		13
24	Colonization of <i>L.</i> by the Endophyte sp. Strain T154: Biocontrol Activity Against. <i>Frontiers in Plant Science</i> , 2020 , 11, 1170	6.2	13
23	Gene regulation associated with sexual development and female fertility in different isolates of. <i>Fungal Biology and Biotechnology</i> , 2018 , 5, 9	7.5	10
22	Draft genome sequence of a monokaryotic model brown-rot fungus SB12. <i>Genomics Data</i> , 2017 , 14, 21-23		9
21	Heterotrimeric G-protein signaling and light response: Two signaling pathways coordinated for optimal adjustment to nature. <i>Communicative and Integrative Biology</i> , 2009 , 2, 308-10	1.7	8
20	The Lipoyxygenase Lox1 Is Involved in Light- and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus. <i>Frontiers in Microbiology</i> , 2020 , 11, 2004	5.7	8
19	The Kinase USK1 Regulates Cellulase Gene Expression and Secondary Metabolite Biosynthesis in. <i>Frontiers in Microbiology</i> , 2020 , 11, 974	5.7	7

18	Biotechnology and Biology of Trichoderma 2014 ,		7
17	Comparative Genomic Analysis of Strains from Grapevine, Soil and Weed Highlights Potential Mechanisms in Pathogenicity and Endophytic Lifestyle. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	6
16	17 Sexual Development in Trichoderma 2016 , 457-474		6
15	10 Genomics Analysis of Biocontrol Species and Industrial Enzyme Producers from the Genus Trichoderma 2014 , 233-264		6
14	Novel Approaches to Improve Cellulase Biosynthesis for Biofuel Production [Adjusting Signal Transduction Pathways in the Biotechnological Workhorse Trichoderma reesei		6
13	Correction for Fernandez-Fueyo et al., Comparative genomics of Ceriporiopsis subvermispora and Phanerochaete chrysosporium provide insight into selective ligninolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8352-8352	11.5	5
12	Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. <i>Fungal Biology</i> , 2016 , 309-334	2.3	5
11	The G-protein Coupled Receptor GPR8 Regulates Secondary Metabolism in. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 558996	5.8	4
10	Isolated From Austrian Soil With High Potential for Biotechnological Application. <i>Frontiers in Microbiology</i> , 2021 , 12, 552301	5.7	4
9	Draft Genome Sequence of the Root-Colonizing Fungus B97. <i>Genome Announcements</i> , 2017 , 5,		3
8	Protoplast Transformation for Genome Manipulation in Fungi. <i>Fungal Biology</i> , 2015 , 21-40	2.3	3
7	Applications of Microbial Engineering		3
6	Sexual development, its determinants, and regulation in Trichoderma reesei 2020 , 185-206		2
5	Trichoderma reesei.. <i>Trends in Microbiology</i> , 2022 ,	12.4	1
4	Resistance Marker- and Gene Gun-Mediated Transformation of Trichoderma reesei. <i>Methods in Molecular Biology</i> , 2021 , 2234, 55-62	1.4	1
3	Integration of chemosensing and carbon catabolite repression impacts fungal enzyme regulation and plant associations		1
2	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	1.1	
1	New cytochalasins from an endophytic species associated with Costa Rican (Rubiaceae). <i>Natural Product Research</i> , 2021 , 1-8	2.3	

