Monika Schmoll

List of Publications by Year in Descending Order

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	Trichoderma reesei.. *Trends in Microbiology*, **2022**,	12.4	1
88	Resistance Marker- and Gene Gun-Mediated Transformation of Trichoderma reesei. *Methods in Molecular Biology*, **2021**, 2234, 55-62	1.4	1
87	New cytochalasans from an endophytic species associated with Costa Rican (Rubiaceae). *Natural Product Research*, **2021**, 1-8	2.3	
86	Isolated From Austrian Soil With High Potential for Biotechnological Application. *Frontiers in Microbiology*, **2021**, 12, 552301	5.7	4
85	Comparative Genomic Analysis of Strains from Grapevine, Soil and Weed Highlights Potential Mechanisms in Pathogenicity and Endophytic Lifestyle. *Journal of Fungi (Basel, Switzerland)*, **2020**, 6,	5.6	6
84	The G-protein Coupled Receptor GPR8 Regulates Secondary Metabolism in. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 558996	5.8	4
83	The Kinase USK1 Regulates Cellulase Gene Expression and Secondary Metabolite Biosynthesis in. *Frontiers in Microbiology*, **2020**, 11, 974	5.7	7
82	CLR1 and CLR2 are light dependent regulators of xylanase and pectinase genes in Trichoderma reesei. *Fungal Genetics and Biology*, **2020**, 136, 103315	3.9	14
81	Sexual development, its determinants, and regulation in Trichoderma reesei **2020**, 185-206		2
80	The Lipoxygenase Lox1 Is Involved in Light- and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus. *Frontiers in Microbiology*, **2020**, 11, 2004	5.7	8
79	Colonization of L. by the Endophyte sp. Strain T154: Biocontrol Activity Against. *Frontiers in Plant Science*, **2020**, 11, 1170	6.2	13
78	The role of PKAc1 in gene regulation and trichodimerol production in. *Fungal Biology and Biotechnology*, **2019**, 6, 12	7.5	14
77	Protein phosphatases regulate growth, development, cellulases and secondary metabolism in Trichoderma reesei. *Scientific Reports*, **2019**, 9, 10995	4.9	14
76	YPR2 is a regulator of light modulated carbon and secondary metabolism in Trichoderma reesei. *BMC Genomics*, **2019**, 20, 211	4.5	17
75	Broad Substrate-Specific Phosphorylation Events Are Associated With the Initial Stage of Plant Cell Wall Recognition in. *Frontiers in Microbiology*, **2019**, 10, 2317	5.7	14
74	Regulation of plant cell wall degradation by light in. *Fungal Biology and Biotechnology*, **2018**, 5, 10	7.5	45
73	Gene regulation associated with sexual development and female fertility in different isolates of. *Fungal Biology and Biotechnology*, **2018**, 5, 9	7.5	10

72	Light, stress, sex and carbon - The photoreceptor ENVOY as a central checkpoint in the physiology of Trichoderma reesei. *Fungal Biology*, **2018**, 122, 479-486	2.8	22
71	Analysis of Light- and Carbon-Specific Transcriptomes Implicates a Class of G-Protein-Coupled Receptors in Cellulose Sensing. *MSphere*, **2017**, 2,	5	33
70	Draft Genome Sequence of the Root-Colonizing Fungus B97. *Genome Announcements*, **2017**, 5,		3
69	Interrelationships of VEL1 and ENV1 in light response and development in Trichoderma reesei. *PLoS ONE*, **2017**, 12, e0175946	3.7	13
68	Omics Analyses of Trichoderma reesei CBS999.97 and QM6a Indicate the Relevance of Female Fertility to Carbohydrate-Active Enzyme and Transporter Levels. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	14
67	Draft genome sequence of a monokaryotic model brown-rot fungus SB12. *Genomics Data*, **2017**, 14, 21-23		9
66	SUB1 has photoreceptor dependent and independent functions in sexual development and secondary metabolism in Trichoderma reesei. *Molecular Microbiology*, **2017**, 106, 742-759	4.1	16
65	Abundance of Secreted Proteins of Is Regulated by Light of Different Intensities. *Frontiers in Microbiology*, **2017**, 8, 2586	5.7	16
64	A CRE1- regulated cluster is responsible for light dependent production of dihydrotrichotetronin in Trichoderma reesei. *PLoS ONE*, **2017**, 12, e0182530	3.7	23
63	17 Sexual Development in Trichoderma **2016**, 457-474		6
62	The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three Trichoderma Species. *Microbiology and Molecular Biology Reviews*, **2016**, 80, 205-327	13.2	118
61	A Native Threonine Coordinates Ordered Water to Tune Light-Oxygen-Voltage (LOV) Domain Photocycle Kinetics and Osmotic Stress Signaling in Trichoderma reesei ENVOY. *Journal of Biological Chemistry*, **2016**, 291, 14839-50	5.4	18
60	Relevance of Signal Transduction Pathways for Efficient Gene Expression in Fungi. *Fungal Biology*, **2016**, 309-334	2.3	5
59	Trichoderma reesei meiosis generates segmentally aneuploid progeny with higher xylanase-producing capability. *Biotechnology for Biofuels*, **2015**, 8, 30	7.8	26
58	Mating type-dependent partner sensing as mediated by VEL1 in Trichoderma reesei. *Molecular Microbiology*, **2015**, 96, 1103-18	4.1	40
57	Protoplast Transformation for Genome Manipulation in Fungi. *Fungal Biology*, **2015**, 21-40	2.3	3
56	Structural biochemistry of a fungal LOV domain photoreceptor reveals an evolutionarily conserved pathway integrating light and oxidative stress. *Structure*, **2015**, 23, 116-125	5.2	37
55	Literature search and data collection on RA for human health for microorganisms used as plant protection products. *EFSA Supporting Publications*, **2015**, 12, 801E	1.1	

54	Crossroads between light response and nutrient signalling: ENV1 and PhLP1 act as mutual regulatory pair in Trichoderma reesei. *BMC Genomics*, **2014**, 15, 425	4.5	31
53	Analysis of the Phlebiopsis gigantea genome, transcriptome and secretome provides insight into its pioneer colonization strategies of wood. *PLoS Genetics*, **2014**, 10, e1004759	6	67
52	Regulation of Glycoside Hydrolase Expression in Trichoderma **2014**, 291-308		13
51	10 Genomics Analysis of Biocontrol Species and Industrial Enzyme Producers from the Genus Trichoderma **2014**, 233-264		6
50	Biotechnology and Biology of Trichoderma **2014**,		7
49	Trichoderma research in the genome era. *Annual Review of Phytopathology*, **2013**, 51, 105-29	10.8	259
48	Plant cell wall deconstruction by ascomycete fungi. *Annual Review of Microbiology*, **2013**, 67, 477-98	17.5	223
47	Targets of light signalling in Trichoderma reesei. *BMC Genomics*, **2013**, 14, 657	4.5	55
46	Roles of protein kinase A and adenylate cyclase in light-modulated cellulase regulation in Trichoderma reesei. *Applied and Environmental Microbiology*, **2012**, 78, 2168-78	4.8	83
45	The role of pheromone receptors for communication and mating in Hypocrea jecorina (Trichoderma reesei). *Fungal Genetics and Biology*, **2012**, 49, 814-24	3.9	33
44	Unravelling the molecular basis for light modulated cellulase gene expression - the role of photoreceptors in Neurospora crassa. *BMC Genomics*, **2012**, 13, 127	4.5	53
43	Comparative genomics of Ceriporiopsis subvermispora and Phanerochaete chrysosporium provide insight into selective ligninolysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5458-63	11.5	225
42	Blue light acts as a double-edged sword in regulating sexual development of Hypocrea jecorina (Trichoderma reesei). *PLoS ONE*, **2012**, 7, e44969	3.7	36
41	A versatile toolkit for high throughput functional genomics with Trichoderma reesei. *Biotechnology for Biofuels*, **2012**, 5, 1	7.8	318
40	ENVOY is a major determinant in regulation of sexual development in Hypocrea jecorina (Trichoderma reesei). *Eukaryotic Cell*, **2012**, 11, 885-95		41
39	Correction for Fernandez-Fueyo et al., Comparative genomics of Ceriporiopsis subvermispora and Phanerochaete chrysosporium provide insight into selective ligninolysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8352-8352	11.5	5
38	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of Trichoderma. *Genome Biology*, **2011**, 12, R40	18.3	448
37	New insights into the mechanism of light modulated signaling by heterotrimeric G-proteins: ENVOY acts on gna1 and gna3 and adjusts cAMP levels in Trichoderma reesei (Hypocrea jecorina). *Fungal Genetics and Biology*, **2011**, 48, 631-40	3.9	81

36	The phosducin-like protein PhLP1 impacts regulation of glycoside hydrolases and light response in Trichoderma reesei. *BMC Genomics*, **2011**, 12, 613	4.5	64
35	Assessing the relevance of light for fungi: Implications and insights into the network of signal transmission. *Advances in Applied Microbiology*, **2011**, 76, 27-78	4.9	16
34	Dehydrogenase GRD1 represents a novel component of the cellulase regulon in Trichoderma reesei (Hypocrea jecorina). *Applied and Environmental Microbiology*, **2011**, 77, 4553-63	4.8	22
33	A novel class of peptide pheromone precursors in ascomycetous fungi. *Molecular Microbiology*, **2010**, 77, 1483-501	4.1	41
32	Crucial factors of the light perception machinery and their impact on growth and cellulase gene transcription in Trichoderma reesei. *Fungal Genetics and Biology*, **2010**, 47, 468-76	3.9	98
31	Trichoderma in the light of day--physiology and development. *Fungal Genetics and Biology*, **2010**, 47, 909-16	3.9	79
30	Light regulation of metabolic pathways in fungi. *Applied Microbiology and Biotechnology*, **2010**, 85, 1259-77	3.7	157
29	Biology and biotechnology of Trichoderma. *Applied Microbiology and Biotechnology*, **2010**, 87, 787-99	5.7	415
28	Recombinant production of an Aspergillus nidulans class I hydrophobin (DewA) in Hypocrea jecorina (Trichoderma reesei) is promoter-dependent. *Applied Microbiology and Biotechnology*, **2010**, 88, 95-103	5.7	20
27	Relevance of the light signaling machinery for cellulase expression in Trichoderma reesei (Hypocrea jecorina). *BMC Research Notes*, **2010**, 3, 330	2.3	27
26	Heterotrimeric G-protein signaling and light response: Two signaling pathways coordinated for optimal adjustment to nature. *Communicative and Integrative Biology*, **2009**, 2, 308-10	1.7	8
25	The G-alpha protein GNA3 of Hypocrea jecorina (Anamorph Trichoderma reesei) regulates cellulase gene expression in the presence of light. *Eukaryotic Cell*, **2009**, 8, 410-20		103
24	Transcriptomic response of the mycoparasitic fungus Trichoderma atroviride to the presence of a fungal prey. *BMC Genomics*, **2009**, 10, 567	4.5	118
23	Identification of potential marker genes for Trichoderma harzianum strains with high antagonistic potential against Rhizoctonia solani by a rapid subtraction hybridization approach. *Current Genetics*, **2009**, 55, 81-91	2.9	27
22	Light-dependent roles of the G-protein alpha subunit GNA1 of Hypocrea jecorina (anamorph Trichoderma reesei). *BMC Biology*, **2009**, 7, 58	7.3	65
21	Metabolic engineering strategies for the improvement of cellulase production by Hypocrea jecorina. *Biotechnology for Biofuels*, **2009**, 2, 19	7.8	295
20	Gene targeting in a nonhomologous end joining deficient Hypocrea jecorina. *Journal of Biotechnology*, **2009**, 139, 146-51	3.7	115
19	Genome, transcriptome, and secretome analysis of wood decay fungus Postia placenta supports unique mechanisms of lignocellulose conversion. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1954-9	11.5	479

18	Sexual development in the industrial workhorse Trichoderma reesei. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13909-14	11.5	142
17	Genome sequencing and analysis of the biomass-degrading fungus Trichoderma reesei (syn. Hypocrea jecorina). *Nature Biotechnology*, **2008**, 26, 553-60	44.5	920
16	The information highways of a biotechnological workhorse--signal transduction in Hypocrea jecorina. *BMC Genomics*, **2008**, 9, 430	4.5	61
15	Sulphur metabolism and cellulase gene expression are connected processes in the filamentous fungus Hypocrea jecorina (anamorph Trichoderma reesei). *BMC Microbiology*, **2008**, 8, 174	4.5	39
14	Photostimulation of Hypocrea atroviridis growth occurs due to a cross-talk of carbon metabolism, blue light receptors and response to oxidative stress. *Microbiology (United Kingdom)*, **2008**, 154, 1229-1241	2.9	50
13	Genome sequencing and analysis of the versatile cell factory Aspergillus niger CBS 513.88. *Nature Biotechnology*, **2007**, 25, 221-31	44.5	889
12	Impact of light on Hypocrea jecorina and the multiple cellular roles of ENVOY in this process. *BMC Genomics*, **2007**, 8, 449	4.5	66
11	In vitro activity and synergism of amphotericin B, azoles and cationic antimicrobials against the emerging pathogen Trichoderma spp. *Journal of Antimicrobial Chemotherapy*, **2006**, 58, 1058-61	5.1	29
10	Global carbon utilization profiles of wild-type, mutant, and transformant strains of Hypocrea jecorina. *Applied and Environmental Microbiology*, **2006**, 72, 2126-33	4.8	86
9	Antagonism of Pythium blight of zucchini by Hypocrea jecorina does not require cellulase gene expression but is improved by carbon catabolite derepression. *FEMS Microbiology Letters*, **2006**, 257, 145-51	2.9	23
8	ooc1, a unique gene expressed only during growth of Hypocrea jecorina (anamorph: Trichoderma reesei) on cellulose. *Current Genetics*, **2005**, 48, 126-33	2.9	18
7	Envoy, a PAS/LOV domain protein of Hypocrea jecorina (Anamorph Trichoderma reesei), modulates cellulase gene transcription in response to light. *Eukaryotic Cell*, **2005**, 4, 1998-2007		124
6	Cloning of genes expressed early during cellulase induction in Hypocrea jecorina by a rapid subtraction hybridization approach. *Fungal Genetics and Biology*, **2004**, 41, 877-87	3.9	58
5	Regulation of Trichoderma cellulase formation: lessons in molecular biology from an industrial fungus. A review. *Acta Microbiologica Et Immunologica Hungarica*, **2003**, 50, 125-45	1.8	70
4	Nucleosome transactions on the Hypocrea jecorina (Trichoderma reesei) cellulase promoter cbh2 associated with cellulase induction. *Molecular Genetics and Genomics*, **2003**, 270, 46-55	3.1	92
3	Applications of Microbial Engineering		3
2	Novel Approaches to Improve Cellulase Biosynthesis for Biofuel Production Adjusting Signal Transduction Pathways in the Biotechnological Workhorse Trichoderma reesei		6
1	Integration of chemosensing and carbon catabolite repression impacts fungal enzyme regulation and plant associations		1