Julia Schumacher

List of Publications by Year
in descending order

37 papers	3,101 citations	279798 23 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	2697 citing authors

#	Article	IF	Citations
1	Genomic Analysis of the Necrotrophic Fungal Pathogens Sclerotinia sclerotiorum and Botrytis cinerea. PLoS Genetics, 2011, 7, e1002230.	3.5	902
2	The <i>Botrytis cinerea</i> phytotoxin botcinic acid requires two polyketide synthases for production and has a redundant role in virulence with botrydial. Molecular Plant Pathology, 2011, 12, 564-579.	4.2	189
3	Tools for Botrytis cinerea: New expression vectors make the gray mold fungus more accessible to cell biology approaches. Fungal Genetics and Biology, 2012, 49, 483-497.	2.1	180
4	DHN melanin biosynthesis in the plant pathogenic fungus <i>Botrytis cinerea</i> is based on two developmentally regulated key enzyme (PKS)â€encoding genes. Molecular Microbiology, 2016, 99, 729-748.	2.5	149
5	Calcineurin-Responsive Zinc Finger Transcription Factor CRZ1 of <i>Botrytis cinerea</i> Is Required for Growth, Development, and Full Virulence on Bean Plants. Eukaryotic Cell, 2008, 7, 584-601.	3.4	147
6	Assessing the Effects of Light on Differentiation and Virulence of the Plant Pathogen Botrytis cinerea: Characterization of the White Collar Complex. PLoS ONE, 2013, 8, e84223.	2.5	135
7	The Transcription Factor BcLTF1 Regulates Virulence and Light Responses in the Necrotrophic Plant Pathogen Botrytis cinerea. PLoS Genetics, 2014, 10, e1004040.	3.5	130
8	How light affects the life of Botrytis. Fungal Genetics and Biology, 2017, 106, 26-41.	2.1	114
9	The cAMP-Dependent Signaling Pathway and Its Role in Conidial Germination, Growth, and Virulence of the Gray Mold <i>Botrytis cinerea</i>. Molecular Plant-Microbe Interactions, 2008, 21, 1443-1459.	2.6	103
10	The GÎ± subunit BCG1, the phospholipase C (BcPLC1) and the calcineurin phosphatase coâ€ordinately regulate gene expression in the grey mould fungus<i>Botrytis cinerea</i>. Molecular Microbiology, 2008, 67, 1027-1050.	2.5	99
11	The VELVET Complex in the Gray Mold Fungus <i>Botrytis cinerea</i>: Impact of BcLAE1 on Differentiation, Secondary Metabolism, and Virulence. Molecular Plant-Microbe Interactions, 2015, 28, 659-674.	2.6	97
12	Natural Variation in the VELVET Gene bcvel1 Affects Virulence and Light-Dependent Differentiation in Botrytis cinerea. PLoS ONE, 2012, 7, e47840.	2.5	89
13	Investigations on <scp>VELVET</scp> regulatory mutants confirm the role of host tissue acidification and secretion of proteins in the pathogenesis of <i>Botrytis cinerea</i>. New Phytologist, 2018, 219, 1062-1074.	7.3	76
14	Conserved Responses in a War of Small Molecules between a Plant-Pathogenic Bacterium and Fungi. MBio, 2018, 9, .	4.1	73
15	Identification of Pathogenesis-Associated Genes by T-DNAâ€“Mediated Insertional Mutagenesis in <i>Botrytis cinerea</i>: A Type 2A Phosphoprotein Phosphatase and an SPT3 Transcription Factor Have Significant Impact on Virulence. Molecular Plant-Microbe Interactions, 2012, 25, 481-495.	2.6	71
16	A Functional Bikaverin Biosynthesis Gene Cluster in Rare Strains of Botrytis cinerea Is Positively Controlled by VELVET. PLoS ONE, 2013, 8, e53729.	2.5	69
17	Regulation of conidiation in Botrytis cinerea involves the light-responsive transcriptional regulators BcLTF3 and BcREG1. Current Genetics, 2017, 63, 931-949.	1.7	50
18	The Ca2+/Calcineurin-Dependent Signaling Pathway in the Gray Mold Botrytis cinerea: The Role of Calcipressin in Modulating Calcineurin Activity. PLoS ONE, 2012, 7, e41761.	2.5	42

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19	The Two Cryptochrome/Photolyase Family Proteins Fulfill Distinct Roles in DNA Photorepair and Regulation of Conidiation in the Gray Mold Fungus Botrytis cinerea. Applied and Environmental Microbiology, 2017, 83, .	3.1	40
20	The GATA-Type Transcription Factor Csm1 Regulates Conidiation and Secondary Metabolism in Fusarium fujikuroi. Frontiers in Microbiology, 2017, 8, 1175.	3.5	35
21	Functional Analysis of BcBem1 and Its Interaction Partners in Botrytis cinerea: Impact on Differentiation and Virulence. PLoS ONE, 2014, 9, e95172.	2.5	34
22	Light governs asexual differentiation in the grey mould fungus <i>Botrytis cinerea</i> via the putative transcription factor BcLTF2. Environmental Microbiology, 2016, 18, 4068-4086.	3.8	29
23	Light sensing in plant- and rock-associated black fungi. Fungal Biology, 2020, 124, 407-417.	2.5	25
24	Morphogenesis and Infection in Botrytis cinerea. Topics in Current Genetics, 2012, , 225-241.	0.7	24
25	The putative H3K36 demethylase BcKDM1 affects virulence, stress responses and photomorphogenesis in Botrytis cinerea. Fungal Genetics and Biology, 2019, 123, 14-24.	2.1	23
26	A novel sevenâ€helix transmembrane protein BTP1 of <i>Botrytis cinerea</i> controls the expression of GSTâ€encoding genes, but is not essential for pathogenicity. Molecular Plant Pathology, 2005, 6, 243-256.	4.2	22
27	Vv<scp>AMP</scp>2, a grapevine flowerâ€specific defensin capable of inhibiting <i><scp>B</scp>otrytis cinerea</i> growth: insights into its mode of action. Plant Pathology, 2014, 63, 899-910.	2.4	20
28	A Similar Secretome Disturbance as a Hallmark of Non-pathogenic Botrytis cinerea ATMT-Mutants?. Frontiers in Microbiology, 2019, 10, 2829.	3.5	18
29	The F-actin capping protein is required for hyphal growth and full virulence but is dispensable for septum formation in Botrytis cinerea. Fungal Biology, 2016, 120, 1225-1235.	2.5	17
30	Chasing stress signals â€“ Exposure to extracellular stimuli differentially affects the redox state of cell compartments in the wild type and signaling mutants of Botrytis cinerea. Fungal Genetics and Biology, 2016, 90, 12-22.	2.1	16
31	Shed Light in the DaRk LineagES of the Fungal Tree of Lifeâ€”STRES. Life, 2020, 10, 362.	2.4	16
32	Signal Transduction Cascades Regulating Differentiation and Virulence in Botrytis cinerea. , 2016, , 247-267.		15
33	An advanced genetic toolkit for exploring the biology of the rock-inhabiting black fungus Knufia petricola. Scientific Reports, 2020, 10, 22021.	3.3	13
34	The role of extracellular polymeric substances of fungal biofilms in mineral attachment and weathering. Npj Materials Degradation, 2022, 6, .	5.8	10
35	A new transformant selection system for the gray mold fungus Botrytis cinerea based on the expression of fenhexamid-insensitive ERG27 variants. Fungal Genetics and Biology, 2017, 100, 42-51.	2.1	9
36	Genetic Engineering of the Rock Inhabitant Knufia petricola Provides Insight Into the Biology of Extremotolerant Black Fungi. Frontiers in Fungal Biology, 2022, 3, .	2.0	4

#	Article	IF	Citations
37	The effect of fungal iron uptake on olivine weathering studied by genetic approaches in the rock-inhabiting fungus Knufia petricola. , 2021, , .		0