Muriel Viaud

List of Publications by Year
in descending order

43 papers	4,501 citations	230014 27 h-index	312153 41 g-index
48 all docs	48 docs citations	48 times ranked	5226 citing authors

#	Article	IF	Citations
1	Structural and biosynthetic studies of botrycinereic acid, a new cryptic metabolite from the fungus Botrytis cinerea. Bioorganic Chemistry, 2022, 127, 105979.	2.0	4
2	Impairment of botrydial production in Botrytis cinerea allows the isolation of undescribed polyketides and reveals new insights into the botcinins biosynthetic pathway. Phytochemistry, 2021, 183, 112627.	1.4	7
3	Population Genomics Reveals Molecular Determinants of Specialization to Tomato in the Polyphagous Fungal Pathogen <i>Botrytis cinerea</i> in France. Phytopathology, 2021, 111, 2355-2366.	1.1	11
4	Botrydial confers Botrytis cinerea the ability to antagonize soil and phyllospheric bacteria. Fungal Biology, 2020, 124, 54-64.	1.1	9
5	Identification of the Sesquiterpene Cyclase Involved in the Biosynthesis of (+)-4-Epi-eremophil-9-en-11-ol Derivatives Isolated from <i>Botrytis cinerea</i>. ACS Chemical Biology, 2020, 15, 2775-2782.	1.6	4
6	The polyphagous plant pathogenic fungus <i>Botrytis cinerea</i> encompasses hostâ€specialized and generalist populations. Environmental Microbiology, 2019, 21, 4808-4821.	1.8	30
7	Botcinic acid biosynthesis in Botrytis cinerea relies on a subtelomeric gene cluster surrounded by relics of transposons and is regulated by the Zn2Cys6 transcription factor BcBoa13. Current Genetics, 2019, 65, 965-980.	0.8	57
8	A Similar Secretome Disturbance as a Hallmark of Non-pathogenic Botrytis cinerea ATMT-Mutants?. Frontiers in Microbiology, 2019, 10, 2829.	1.5	18
9	Biosynthesis of abscisic acid in fungi: identification of a sesquiterpene cyclase as the key enzyme in <i>Botrytis cinerea</i>. Environmental Microbiology, 2018, 20, 2469-2482.	1.8	37
10	The formation of sesquiterpenoid presilphiperfolane and cameroonane metabolites in the Bcbot4 null mutant of Botrytis cinerea. Organic and Biomolecular Chemistry, 2017, 15, 5357-5363.	1.5	8
11	The botrydial biosynthetic gene cluster of Botrytis cinerea displays a bipartite genomic structure and is positively regulated by the putative Zn(II)2Cys6 transcription factor BcBot6. Fungal Genetics and Biology, 2016, 96, 33-46.	0.9	60
12	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.	1.8	29
13	Genetic and Molecular Basis of Botrydial Biosynthesis: Connecting Cytochrome P450-Encoding Genes to Biosynthetic Intermediates. ACS Chemical Biology, 2016, 11, 2838-2846.	1.6	30
14	A novel <scp>Z</scp>n₂<scp>C</scp>ys₆ transcription factor <scp>B</scp>c<scp>G</scp>aa<scp>R</scp> regulates <scp>D</scp>â€galacturonic acid utilization in <scp><i>B</i></scp><i>otrytis cinerea</i>. Molecular Microbiology, 2016, 100, 247-262.	1.2	31
15	Chemically Induced Cryptic Sesquiterpenoids and Expression of Sesquiterpene Cyclases in <i>Botrytis cinerea</i> Revealed New Sporogenic (+)-4-<i>Epi</i>eremophil-9-en-11-ols. ACS Chemical Biology, 2016, 11, 1391-1400.	1.6	20
16	Secondary Metabolism in Botrytis cinerea: Combining Genomic and Metabolomic Approaches. , 2016, , 291-313.		21
17	Analysis of the Molecular Dialogue Between Gray Mold (<i>Botrytis cinerea</i>) and Grapevine (<i>Vitis vinifera</i>) Reveals a Clear Shift in Defense Mechanisms During Berry Ripening. Molecular Plant-Microbe Interactions, 2015, 28, 1167-1180.	1.4	73
18	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.	1.4	97

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19	Unraveling the Function of the Response Regulator BcSkn7 in the Stress Signaling Network of Botrytis cinerea. Eukaryotic Cell, 2015, 14, 636-651.	3.4	34
20	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
21	The Transcription Factor BcLTF1 Regulates Virulence and Light Responses in the Necrotrophic Plant Pathogen Botrytis cinerea. PLoS Genetics, 2014, 10, e1004040.	1.5	130
22	The Genome of Botrytis cinerea, a Ubiquitous Broad Host Range Necrotroph. , 2014, , 19-44.		21
23	Screening of a Botrytis cinerea one-hybrid library reveals a Cys2His2 transcription factor involved in the regulation of secondary metabolism gene clusters. Fungal Genetics and Biology, 2013, 52, 9-19.	0.9	39
24	A Shared Biosynthetic Pathway for Botcinins and Botrylactones Revealed through Gene Deletions. ChemBioChem, 2013, 14, 132-136.	1.3	13
25	A Functional Bikaverin Biosynthesis Gene Cluster in Rare Strains of Botrytis cinerea Is Positively Controlled by VELVET. PLoS ONE, 2013, 8, e53729.	1.1	69
26	Natural Variation in the VELVET Gene bcvel1 Affects Virulence and Light-Dependent Differentiation in Botrytis cinerea. PLoS ONE, 2012, 7, e47840.	1.1	89
27	The Homeobox BcHOX8 Gene in Botrytis Cinerea Regulates Vegetative Growth and Morphology. PLoS ONE, 2012, 7, e48134.	1.1	55
28	Genes under positive selection in a model plant pathogenic fungus, Botrytis. Infection, Genetics and Evolution, 2012, 12, 987-996.	1.0	40
29	BcAtf1, a global regulator, controls various differentiation processes and phytotoxin production in <i>Botrytis cinerea</i>. Molecular Plant Pathology, 2012, 13, 704-718.	2.0	85
30	Genomic Analysis of the Necrotrophic Fungal Pathogens Sclerotinia sclerotiorum and Botrytis cinerea. PLoS Genetics, 2011, 7, e1002230.	1.5	902
31	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.	2.0	189
32	<i>Botrytis pseudocinerea</i>, a New Cryptic Species Causing Gray Mold in French Vineyards in Sympatry with<i>Botrytis cinerea</i>. Phytopathology, 2011, 101, 1433-1445.	1.1	146
33	<i>Ku70</i>or<i>Ku80</i>deficiencies in the fungus<i>Botrytis cinerea</i>facilitate targeting of genes that are hard to knock out in a wild-type context. FEMS Microbiology Letters, 2008, 289, 225-232.	0.7	64
34	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.	1.2	99
35	Sesquiterpene Synthase from the Botrydial Biosynthetic Gene Cluster of the Phytopathogen <i>Botrytis cinerea</i>. ACS Chemical Biology, 2008, 3, 791-801.	1.6	161
36	<i>Botrytis cinerea</i>virulence factors: new insights into a necrotrophic and polyphageous pathogen. FEMS Microbiology Letters, 2007, 277, 1-10.	0.7	392

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37	A Class III Histidine Kinase Acts as a Novel Virulence Factor in Botrytis cinerea. Molecular Plant-Microbe Interactions, 2006, 19, 1042-1050.	1.4	149
38	Expressed sequence tags from the phytopathogenic fungus Botrytis cinerea. European Journal of Plant Pathology, 2005, 111, 139-146.	0.8	20
39	Functional Analysis of the Cytochrome P450 Monooxygenase Gene bcbot1 of Botrytis cinerea Indicates That Botrydial Is a Strain-Specific Virulence Factor. Molecular Plant-Microbe Interactions, 2005, 18, 602-612.	1.4	207
40	Cyclophilin A and calcineurin functions investigated by gene inactivation, cyclosporin A inhibition and cDNA arrays approaches in the phytopathogenic fungus Botrytis cinerea. Molecular Microbiology, 2003, 50, 1451-1465.	1.2	126
41	Diversity of soil fungi studied by PCR-RFLP of ITS. Mycological Research, 2000, 104, 1027-1032.	2.5	112
42	Molecular Analysis of Hypervirulent Somatic Hybrids of the Entomopathogenic Fungi Beauveria bassiana and Beauveria sulfurescens. Applied and Environmental Microbiology, 1998, 64, 88-93.	1.4	31
43	Genome Organization inBeauveria bassiana:Electrophoretic Karyotype, Gene Mapping, and Telomeric Fingerprint. Fungal Genetics and Biology, 1996, 20, 175-183.	0.9	56