Muriel Viaud

List of Publications by Year
in descending order

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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	Genomic Analysis of the Necrotrophic Fungal Pathogens Sclerotinia sclerotiorum and Botrytis cinerea. PLoS Genetics, 2011, 7, e1002230.	1.5	902
2	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
3	Botrytis cinereavirulence factors: new insights into a necrotrophic and polyphageous pathogen. FEMS Microbiology Letters, 2007, 277, 1-10.	0.7	392
4	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
5	The Botrytis cinerea 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
6	Sesquiterpene Synthase from the Botrydial Biosynthetic Gene Cluster of the Phytopathogen Botrytis cinerea. ACS Chemical Biology, 2008, 3, 791-801.	1.6	161
7	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
8	Botrytis pseudocinerea, a New Cryptic Species Causing Gray Mold in French Vineyards in Sympatry withBotrytis cinerea. Phytopathology, 2011, 101, 1433-1445.	1.1	146
9	The Transcription Factor BcLTF1 Regulates Virulence and Light Responses in the Necrotrophic Plant Pathogen Botrytis cinerea. PLoS Genetics, 2014, 10, e1004040.	1.5	130
10	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
11	Diversity of soil fungi studied by PCR-RFLP of ITS. Mycological Research, 2000, 104, 1027-1032.	2.5	112
12	The GÎ± subunit BCG1, the phospholipase C (BcPLC1) and the calcineurin phosphatase coâ€ordinately regulate gene expression in the grey mould fungusBotrytis cinerea. Molecular Microbiology, 2008, 67, 1027-1050.	1.2	99
13	The VELVET Complex in the Gray Mold Fungus Botrytis cinerea: Impact of BcLAE1 on Differentiation, Secondary Metabolism, and Virulence. Molecular Plant-Microbe Interactions, 2015, 28, 659-674.	1.4	97
14	Natural Variation in the VELVET Gene bcvel1 Affects Virulence and Light-Dependent Differentiation in Botrytis cinerea. PLoS ONE, 2012, 7, e47840.	1.1	89
15	BcAtf1, a global regulator, controls various differentiation processes and phytotoxin production in Botrytis cinerea. Molecular Plant Pathology, 2012, 13, 704-718.	2.0	85
16	Analysis of the Molecular Dialogue Between Gray Mold (Botrytis cinerea) and Grapevine (Vitis vinifera) Reveals a Clear Shift in Defense Mechanisms During Berry Ripening. Molecular Plant-Microbe Interactions, 2015, 28, 1167-1180.	1.4	73
17	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
18	Ku70orKu80deficiencies in the fungusBotrytis cinereafacilitate targeting of genes that are hard to knock out in a wild-type context. FEMS Microbiology Letters, 2008, 289, 225-232.	0.7	64

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19	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
20	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
21	Genome Organization inBeauveria bassiana:Electrophoretic Karyotype, Gene Mapping, and Telomeric Fingerprint. Fungal Genetics and Biology, 1996, 20, 175-183.	0.9	56
22	The Homeobox BcHOX8 Gene in Botrytis Cinerea Regulates Vegetative Growth and Morphology. PLoS ONE, 2012, 7, e48134.	1.1	55
23	Genes under positive selection in a model plant pathogenic fungus, Botrytis. Infection, Genetics and Evolution, 2012, 12, 987-996.	1.0	40
24	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
25	Biosynthesis of abscisic acid in fungi: identification of a sesquiterpene cyclase as the key enzyme in Botrytis cinerea. Environmental Microbiology, 2018, 20, 2469-2482.	1.8	37
26	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
27	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>B</scp>otrytis cinerea. Molecular Microbiology, 2016, 100, 247-262.	1.2	31
28	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
29	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
30	The polyphagous plant pathogenic fungus Botrytis cinerea encompasses hostâ€specialized and generalist populations. Environmental Microbiology, 2019, 21, 4808-4821.	1.8	30
31	Light governs asexual differentiation in the grey mould fungus Botrytis cinerea via the putative transcription factor BcLTF2. Environmental Microbiology, 2016, 18, 4068-4086.	1.8	29
32	Secondary Metabolism in Botrytis cinerea: Combining Genomic and Metabolomic Approaches. , 2016, , 291-313.		21
33	The Genome of Botrytis cinerea, a Ubiquitous Broad Host Range Necrotroph. , 2014, , 19-44.		21
34	Expressed sequence tags from the phytopathogenic fungus Botrytis cinerea. European Journal of Plant Pathology, 2005, 111, 139-146.	0.8	20
35	Chemically Induced Cryptic Sesquiterpenoids and Expression of Sesquiterpene Cyclases in Botrytis cinerea Revealed New Sporogenic (+)-4-Epieremophil-9-en-11-ols. ACS Chemical Biology, 2016, 11, 1391-1400.	1.6	20
36	A Similar Secretome Disturbance as a Hallmark of Non-pathogenic Botrytis cinerea ATMT-Mutants?. Frontiers in Microbiology, 2019, 10, 2829.	1.5	18

#	Article	IF	Citations
37	A Shared Biosynthetic Pathway for Botcinins and Botrylactones Revealed through Gene Deletions. ChemBioChem, 2013, 14, 132-136.	1.3	13
38	Population Genomics Reveals Molecular Determinants of Specialization to Tomato in the Polyphagous Fungal Pathogen Botrytis cinerea in France. Phytopathology, 2021, 111, 2355-2366.	1.1	11
39	Botrydial confers Botrytis cinerea the ability to antagonize soil and phyllospheric bacteria. Fungal Biology, 2020, 124, 54-64.	1.1	9
40	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
41	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
42	Identification of the Sesquiterpene Cyclase Involved in the Biosynthesis of (+)-4-Epi-eremophil-9-en-11-ol Derivatives Isolated from Botrytis cinerea. ACS Chemical Biology, 2020, 15, 2775-2782.	1.6	4
43	Structural and biosynthetic studies of botrycinereic acid, a new cryptic metabolite from the fungus Botrytis cinerea. Bioorganic Chemistry, 2022, 127, 105979.	2.0	4