Ming-Guang Feng

List of Publications by Citations

197 papers	5,432 citations	40 h-index	62 g-index
208 ext. papers	6,429 ext. citations	4.3 avg, IF	6.12 L-index

#	Paper	IF	Citations
197	Genome sequencing and comparative transcriptomics of the model entomopathogenic fungi Metarhizium anisopliae and M. acridum. *PLoS Genetics*, **2011**, 7, e1001264	6	461
196	Genomic perspectives on the evolution of fungal entomopathogenicity in Beauveria bassiana. *Scientific Reports*, **2012**, 2, 483	4.9	413
195	Bifunctional enhancement of a beta-glucanase-xylanase fusion enzyme by optimization of peptide linkers. *Applied Microbiology and Biotechnology*, **2008**, 79, 579-87	5.7	116
194	Additive contributions of two manganese-cored superoxide dismutases (MnSODs) to antioxidation, UV tolerance and virulence of Beauveria bassiana. *PLoS ONE*, **2012**, 7, e30298	3.7	107
193	Advances in fundamental and applied studies in China of fungal biocontrol agents for use against arthropod pests. *Biological Control*, **2014**, 68, 129-135	3.8	98
192	Characterization of chimeric Bacillus thuringiensis Vip3 toxins. *Applied and Environmental Microbiology*, **2007**, 73, 956-61	4.8	94
191	Catalases play differentiated roles in the adaptation of a fungal entomopathogen to environmental stresses. *Environmental Microbiology*, **2013**, 15, 409-18	5.2	93
190	Novel blastospore-based transformation system for integration of phosphinothricin resistance and green fluorescence protein genes into Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2006**, 72, 206-210	5.7	83
189	Survey of Entomopathogenic Fungi Naturally Infecting Cereal Aphids (Homoptera: Aphididae) of Irrigated Grain Crops in Southwestern Idaho. *Environmental Entomology*, **1990**, 19, 1534-1542	2.1	82
188	Systematic validation of predicted microRNAs for cyclin D1. *BMC Cancer*, **2009**, 9, 194	4.8	79
187	Lethal effect of Beauveria bassiana, Metarhizium anisopliae, and Paecilomyces fumosoroseus on the eggs of Tetranychus cinnabarinus (Acari: Tetranychidae) with a description of a mite egg bioassay system. *Biological Control*, **2004**, 30, 165-173	3.8	71
186	Natural Control of Cereal Aphids (Homoptera: Aphididae) by Entomopathogenic Fungi (Zygomycetes: Entomophthorales) and Parasitoids (Hymenoptera: Braconidae and Encyrtidae) on Irrigated Spring Wheat in Southwestern Idaho. *Environmental Entomology*, **1991**, 20, 1699-1710	2.1	71
185	Modeling and biological implication of time-dose-mortality data for the entomophthoralean fungus, zoophthora anhuiensis, on the green peach aphid myzus persicae. *Journal of Invertebrate Pathology*, **1998**, 72, 246-51	2.6	65
184	New solid-state fermentation chamber for bulk production of aerial conidia of fungal biocontrol agents on rice. *Biotechnology Letters*, **2006**, 28, 799-804	3	63
183	Intraspecific tolerance of Metarhizium anisopliae conidia to the upper thermal limits of summer with a description of a quantitative assay system. *Mycological Research*, **2009**, 113, 93-9		61
182	Antioxidant enzymes and their contributions to biological control potential of fungal insect pathogens. *Applied Microbiology and Biotechnology*, **2018**, 102, 4995-5004	5.7	59
181	Field trials of an oil-based emulsifiable formulation of Beauveria bassiana conidia and low application rates of imidacloprid for control of false-eye leafhopper Empoasca vitis on tea in southern China. *Crop Protection*, **2004**, 23, 489-496	2.7	58

180	Primary roles of two dehydrogenases in the mannitol metabolism and multi-stress tolerance of entomopathogenic fungus Beauveria bassiana. *Environmental Microbiology*, **2012**, 14, 2139-50	5.2	56
179	Comparative tolerances of various Beauveria bassiana isolates to UV-B irradiation with a description of a modeling method to assess lethal dose. *Mycopathologia*, **2009**, 168, 145-52	2.9	56
178	A new manganese superoxide dismutase identified from Beauveria bassiana enhances virulence and stress tolerance when overexpressed in the fungal pathogen. *Applied Microbiology and Biotechnology*, **2010**, 86, 1543-53	5.7	55
177	Field efficacy of application of Beauveria bassiana formulation and low rate pyridaben for sustainable control of citrus red mite Panonychus citri (Acari: Tetranychidae) in orchards. *Biological Control*, **2006**, 39, 210-217	3.8	53
176	Insight into the transcriptional regulation of Msn2 required for conidiation, multi-stress responses and virulence of two entomopathogenic fungi. *Fungal Genetics and Biology*, **2013**, 54, 42-51	3.9	52
175	Integration of insecticidal protein Vip3Aa1 into Beauveria bassiana enhances fungal virulence to Spodoptera litura larvae by cuticle and per Os infection. *Applied and Environmental Microbiology*, **2010**, 76, 4611-8	4.8	52
174	Distinct contributions of one Fe- and two Cu/Zn-cofactored superoxide dismutases to antioxidation, UV tolerance and virulence of Beauveria bassiana. *Fungal Genetics and Biology*, **2015**, 81, 160-71	3.9	51
173	Impact of three application methods on the field efficacy of a Beauveria bassiana-based mycoinsecticide against the false-eye leafhopper, Empoasca vitis (Homoptera: Cicadellidae) in the tea canopy. *Crop Protection*, **2005**, 24, 167-175	2.7	50
172	Mas5, a homologue of bacterial DnaJ, is indispensable for the host infection and environmental adaptation of a filamentous fungal insect pathogen. *Environmental Microbiology*, **2016**, 18, 1037-47	5.2	49
171	Construction and characterization of a bifunctional fusion enzyme of Bacillus-sourced beta-glucanase and xylanase expressed in Escherichia coli. *FEMS Microbiology Letters*, **2006**, 261, 224-30	2.9	49
170	Relative Virulence of Six Isolates of Beauveria bassiana on Diuraphis noxia (Homoptera: Aphididae). *Environmental Entomology*, **1990**, 19, 785-790	2.1	49
169	Characterization of the Hog1 MAPK pathway in the entomopathogenic fungus Beauveria bassiana. *Environmental Microbiology*, **2017**, 19, 1808-1821	5.2	48
168	Three mitogen-activated protein kinases required for cell wall integrity contribute greatly to biocontrol potential of a fungal entomopathogen. *PLoS ONE*, **2014**, 9, e87948	3.7	48
167	Wide dispersal of aphid-pathogenic Entomophthorales among aphids relies upon migratory alates. *Environmental Microbiology*, **2004**, 6, 510-6	5.2	47
166	Virulence of Verticillium lecanii and an Aphid-Derived Isolate of Beauveria bassiana (Fungi: Hyphomycetes) for Six Species of Cereal-Infesting Aphids (Homoptera: Aphididae). *Environmental Entomology*, **1990**, 19, 815-820	2.1	47
165	WetA and VosA are distinct regulators of conidiation capacity, conidial quality, and biological control potential of a fungal insect pathogen. *Applied Microbiology and Biotechnology*, **2015**, 99, 10069-81	3.7	46
164	Aphid dispersal flight disseminates fungal pathogens and parasitoids as natural control agents of aphids. *Ecological Entomology*, **2007**, 32, 97-104	2.1	46
163	Rapid production of maggots as feed supplement and organic fertilizer by the two-stage composting of pig manure. *Bioresource Technology*, **2012**, 116, 485-91	11	44

162	Differentiated functions of Ras1 and Ras2 proteins in regulating the germination, growth, conidiation, multi-stress tolerance and virulence of Beauveria bassiana. *Environmental Microbiology*, **2013**, 15, 447-62	5.2	42
161	A carbon responsive G-protein coupled receptor modulates broad developmental and genetic networks in the entomopathogenic fungus, Beauveria bassiana. *Environmental Microbiology*, **2013**, 15, 2902-21	5.2	41
160	A cuticle-degrading protease (CDEP-1) of Beauveria bassiana enhances virulence. *Biocontrol Science and Technology*, **2008**, 18, 543-555	1.7	41
159	The autophagy gene BbATG5, involved in the formation of the autophagosome, contributes to cell differentiation and growth but is dispensable for pathogenesis in the entomopathogenic fungus Beauveria bassiana. *Microbiology (United Kingdom)*, **2013**, 159, 243-252	2.9	40
158	Insights into regulatory roles of MAPK-cascaded pathways in multiple stress responses and life cycles of insect and nematode mycopathogens. *Applied Microbiology and Biotechnology*, **2019**, 103, 577-587	5.7	40
157	Physiological implication of intracellular trehalose and mannitol changes in response of entomopathogenic fungus Beauveria bassiana to thermal stress. *Antonie Van Leeuwenhoek*, **2009**, 95, 65-75	2.1	39
156	Time-concentration-mortality modeling of the synergistic interaction of Beauveria bassiana and imidacloprid against Nilaparvata lugens. *Pest Management Science*, **2005**, 61, 363-70	4.6	39
155	BrlA and AbaA Govern Virulence-Required Dimorphic Switch, Conidiation, and Pathogenicity in a Fungal Insect Pathogen. *MSystems*, **2019**, 4,	7.6	37
154	Multi-sited mutations of beta-tubulin are involved in benzimidazole resistance and thermotolerance of fungal biocontrol agent Beauveria bassiana. *Environmental Microbiology*, **2006**, 8, 2096-105	5.2	36
153	Bioassay of Four Entomophthoralean Fungi (Entomophthorales) Against Diuraphis noxia and Metopolophium dirhodum (Homoptera: Aphididae). *Environmental Entomology*, **1991**, 20, 338-345	2.1	36
152	P-type calcium ATPase functions as a core regulator of Beauveria bassiana growth, conidiation and responses to multiple stressful stimuli through cross-talk with signalling networks. *Environmental Microbiology*, **2013**, 15, 967-79	5.2	35
151	In vitro and in vivo responses of fungal biocontrol agents to gradient doses of UV-B and UV-A irradiation. *BioControl*, **2010**, 55, 413-422	2.3	35
150	The transcriptional co-activator multiprotein bridging factor 1 from the fungal insect pathogen, Beauveria bassiana, mediates regulation of hyphal morphogenesis, stress tolerance and virulence. *Environmental Microbiology*, **2014**, 16, 1879-97	5.2	34
149	The role of three calcineurin subunits and a related transcription factor (Crz1) in conidiation, multistress tolerance and virulence in Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2015**, 99, 827-40	5.7	33
148	Field trials of four formulations of Beauveria bassiana and Metarhizium anisoplae for control of cotton spider mites (Acari: Tetranychidae) in the Tarim Basin of China. *Biological Control*, **2008**, 45, 48-55	3.8	33
147	Regulative roles of glutathione reductase and four glutaredoxins in glutathione redox, antioxidant activity, and iron homeostasis of Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2016**, 100, 5907-17	5.7	32
146	Time and concentration dependent interactions of Beauveria bassiana with sublethal rates of imidacloprid against the aphid pests Macrosiphoniellasanborni and Myzus persicae. *Annals of Applied Biology*, **2005**, 146, 459-468	2.6	31
145	Two eisosome proteins play opposite roles in autophagic control and sustain cell integrity, function and pathogenicity in Beauveria bassiana. *Environmental Microbiology*, **2017**, 19, 2037-2052	5.2	30

144	Daylight length-dependent translocation of VIVID photoreceptor in cells and its essential role in conidiation and virulence of Beauveria bassiana. *Environmental Microbiology*, **2018**, 20, 169-185	5.2	30
143	The combination of glycerol metabolic engineering and drug resistance marker-aided genome shuffling to improve very-high-gravity fermentation performances of industrial Saccharomyces cerevisiae. *Bioresource Technology*, **2012**, 108, 203-10	11	30
142	Wee1 and Cdc25 control morphogenesis, virulence and multistress tolerance of Beauveria bassiana by balancing cell cycle-required cyclin-dependent kinase 1 activity. *Environmental Microbiology*, **2015**, 17, 1119-33	5.2	30
141	Time-concentration-mortality responses of carmine spider mite (Acari: Tetranychidae) females to three hypocrealean fungi as biocontrol agents. *Biological Control*, **2008**, 46, 495-501	3.8	30
140	Three Δ1,2-mannosyltransferases contribute differentially to conidiation, cell wall integrity, multistress tolerance and virulence of Beauveria bassiana. *Fungal Genetics and Biology*, **2014**, 70, 1-10	3.9	29
139	Cytokinesis-required Cdc14 is a signaling hub of asexual development and multi-stress tolerance in Beauveria bassiana. *Scientific Reports*, **2013**, 3, 3086	4.9	29
138	Evaluation of the biocontrol potential of various Metarhizium isolates against green peach aphid Myzus persicae (Homoptera: Aphididae). *Pest Management Science*, **2010**, 66, 669-75	4.6	29
137	Phytochrome controls conidiation in response to red/far-red light and daylight length and regulates multistress tolerance in Beauveria bassiana. *Environmental Microbiology*, **2014**, 16, 2316-28	5.2	27
136	Gcn5-dependent histone H3 acetylation and gene activity is required for the asexual development and virulence of Beauveria bassiana. *Environmental Microbiology*, **2018**, 20, 1484-1497	5.2	25
135	The GPI-anchored protein Ecm33 is vital for conidiation, cell wall integrity, and multi-stress tolerance of two filamentous entomopathogens but not for virulence. *Applied Microbiology and Biotechnology*, **2014**, 98, 5517-29	5.7	25
134	Insight into vital role of autophagy in sustaining biological control potential of fungal pathogens against pest insects and nematodes. *Virulence*, **2019**, 10, 429-437	4.7	25
133	Subtilisin-like Pr1 proteases marking the evolution of pathogenicity in a wide-spectrum insect-pathogenic fungus. *Virulence*, **2020**, 11, 365-380	4.7	24
132	Subcellular localization of five singular WSC domain-containing proteins and their roles in Beauveria bassiana responses to stress cues and metal ions. *Environmental Microbiology Reports*, **2016**, 8, 295-304	3.7	24
131	Effect of fungal infection on reproductive potential and survival time of Tetranychus urticae (Acari: Tetranychidae). *Experimental and Applied Acarology*, **2009**, 48, 229-37	2.1	24
130	The autophagy-related genes BbATG1 and BbATG8 have different functions in differentiation, stress resistance and virulence of mycopathogen Beauveria bassiana. *Scientific Reports*, **2016**, 6, 26376	4.9	24
129	The cellular proteome is affected by a gelsolin (BbGEL1) during morphological transitions in aerobic surface versus liquid growth in the entomopathogenic fungus Beauveria bassiana. *Environmental Microbiology*, **2016**, 18, 4153-4169	5.2	23
128	BbSNF1 contributes to cell differentiation, extracellular acidification, and virulence in Beauveria bassiana, a filamentous entomopathogenic fungus. *Applied Microbiology and Biotechnology*, **2014**, 98, 8657-73	5.7	23
127	Compatibility of ten acaricides with Beauveria bassiana and enhancement of fungal infection to Tetranychus cinnabarinus (Acari: Tetranychidae) eggs by sublethal application rates of pyridaben. *Applied Entomology and Zoology*, **2005**, 40, 659-666	1.5	23

126	Virulence of an Aphid-Derived Isolate of Beauveria bassiana (Fungi: Hyphomycetes) to the Hop Aphid, Phorodon humuli (Homoptera: Aphididae). *Environmental Entomology*, **1991**, 20, 690-693	2.1	23
125	Unveiling equal importance of two 14-3-3 proteins for morphogenesis, conidiation, stress tolerance and virulence of an insect pathogen. *Environmental Microbiology*, **2015**, 17, 1444-62	5.2	22
124	Analysis of whitefly transcriptional responses to Beauveria bassiana infection reveals new insights into insect-fungus interactions. *PLoS ONE*, **2013**, 8, e68185	3.7	22
123	Genome-Wide Host-Pathogen Interaction Unveiled by Transcriptomic Response of Diamondback Moth to Fungal Infection. *PLoS ONE*, **2016**, 11, e0152908	3.7	22
122	The Na /H antiporter Nhx1 controls vacuolar fusion indispensible for life cycles in vitro and in vivo in a fungal insect pathogen. *Environmental Microbiology*, **2016**, 18, 3884-3895	5.2	22
121	Essential role of Rpd3-dependent lysine modification in the growth, development and virulence of Beauveria bassiana. *Environmental Microbiology*, **2018**, 20, 1590-1606	5.2	21
120	Subcellular localization of six thioredoxins and their antioxidant activity and contributions to biological control potential in Beauveria bassiana. *Fungal Genetics and Biology*, **2015**, 76, 1-9	3.9	21
119	The connection of protein O-mannosyltransferase family to the biocontrol potential of Beauveria bassiana, a fungal entomopathogen. *Glycobiology*, **2014**, 24, 638-48	5.8	21
118	A new non-hydrophobic cell wall protein (CWP10) of Metarhizium anisopliae enhances conidial hydrophobicity when expressed in Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2010**, 85, 975-84	5.7	21
117	Autophagy-related gene BbATG11 is indispensable for pexophagy and mitophagy, and contributes to stress response, conidiation and virulence in the insect mycopathogen Beauveria bassiana. *Environmental Microbiology*, **2018**, 20, 3309-3324	5.2	20
116	Evaluation of alternative rice planthopper control by the combined action of oil-formulated Metarhizium anisopliae and low-rate buprofezin. *Pest Management Science*, **2011**, 67, 36-43	4.6	20
115	New use of broomcorn millets for production of granular cultures of aphid-pathogenic fungus Pandora neoaphidis for high sporulation potential and infectivity to Myzus persicae. *FEMS Microbiology Letters*, **2003**, 227, 311-7	2.9	20
114	Discovery of a new intravacuolar protein required for the autophagy, development and virulence of Beauveria bassiana. *Environmental Microbiology*, **2017**, 19, 2806-2818	5.2	19
113	Phenotypic and molecular insights into heat tolerance of formulated cells as active ingredients of fungal insecticides. *Applied Microbiology and Biotechnology*, **2020**, 104, 5711-5724	5.7	19
112	Vital role for the J-domain protein Mdj1 in asexual development, multiple stress tolerance, and virulence of Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2017**, 101, 185-195	5.7	19
111	Selection of global Metarhizium isolates for the control of the rice pest Nilaparvata lugens (Homoptera: Delphacidae). *Pest Management Science*, **2008**, 64, 1008-14	4.6	19
110	The Pal pathway required for ambient pH adaptation regulates growth, conidiation, and osmotolerance of Beauveria bassiana in a pH-dependent manner. *Applied Microbiology and Biotechnology*, **2016**, 100, 4423-33	5.7	18
109	A Group III histidine kinase (mhk1) upstream of high-osmolarity glycerol pathway regulates sporulation, multi-stress tolerance and virulence of Metarhizium robertsii, a fungal entomopathogen. *Environmental Microbiology*, **2012**, 14, 817-29	5.2	18

108	Transcriptional control of fungal cell cycle and cellular events by Fkh2, a forkhead transcription factor in an insect pathogen. *Scientific Reports*, **2015**, 5, 10108	4.9	18
107	Experimental simulation of transmission of an obligate aphid pathogen with aphid flight dispersal. *Environmental Microbiology*, **2006**, 8, 69-76	5.2	18
106	Incidence of infected Myzus persicae alatae trapped in flight imply place-to-place dissemination of entomophthoralean fungi in aphid populations through migration. *Journal of Invertebrate Pathology*, **2002**, 81, 53-6	2.6	18
105	RNA sequencing analysis identifies the metabolic and developmental genes regulated by BbSNF1 during conidiation of the entomopathogenic fungus Beauveria bassiana. *Current Genetics*, **2015**, 61, 143-52	2.9	17
104	The histone acetyltransferase Mst2 sustains the biological control potential of a fungal insect pathogen through transcriptional regulation. *Applied Microbiology and Biotechnology*, **2018**, 102, 1343-1355	5.7	17
103	Use of uridine auxotrophy (ura3) for markerless transformation of the mycoinsecticide Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2013**, 97, 3017-25	5.7	17
102	Two Photolyases Repair Distinct DNA Lesions and Reactivate UVB-Inactivated Conidia of an Insect Mycopathogen under Visible Light. *Applied and Environmental Microbiology*, **2019**, 85,	4.8	17
101	Qualitative ubiquitome unveils the potential significances of protein lysine ubiquitination in hyphal growth of Aspergillus nidulans. *Current Genetics*, **2016**, 62, 191-201	2.9	16
100	Evaluation of the time-concentration-mortality responses of Plutella xylostella larvae to the interaction of Beauveria bassiana with a nereistoxin analogue insecticide. *Pest Management Science* , **2006**, 62, 69-76	4.6	16
99	Sitobion avenae alatae infected by Pandora neoaphidis: their flight ability, post-flight colonization, and mycosis transmission to progeny colonies. *Journal of Invertebrate Pathology*, **2004**, 86, 117-23	2.6	16
98	HapX, an Indispensable bZIP Transcription Factor for Iron Acquisition, Regulates Infection Initiation by Orchestrating Conidial Oleic Acid Homeostasis and Cytomembrane Functionality in Mycopathogen Beauveria bassiana. *MSystems*, **2020**, 5,	7.6	16
97	Adenylate cyclase orthologues in two filamentous entomopathogens contribute differentially to growth, conidiation, pathogenicity, and multistress responses. *Fungal Biology*, **2014**, 118, 422-31	2.8	15
96	Differential contributions of five ABC transporters to mutidrug resistance, antioxidion and virulence of Beauveria bassiana, an entomopathogenic fungus. *PLoS ONE*, **2013**, 8, e62179	3.7	15
95	Integration of Escherichia coli thioredoxin (trxA) into Beauveria bassiana enhances the fungal tolerance to the stresses of oxidation, heat and UV-B irradiation. *Biological Control*, **2011**, 59, 255-260	3.8	15
94	Proteomic and Phosphoproteomic Insights into a Signaling Hub Role for Cdc14 in Asexual Development and Multiple Stress Responses in Beauveria bassiana. *PLoS ONE*, **2016**, 11, e0153007	3.7	15
93	Pleiotropic effects of the histone deacetylase Hos2 linked to H4-K16 deacetylation, H3-K56 acetylation, and H2A-S129 phosphorylation in Beauveria bassiana. *Cellular Microbiology*, **2018**, 20, e12839	3.9	14
92	Characterization of Beauveria bassiana neutral trehalase (BbNTH1) and recognition of crucial stress-responsive elements to control its expression in response to multiple stresses. *Microbiological Research*, **2011**, 166, 282-93	5.3	14
91	A conidial protein (CP15) of Beauveria bassiana contributes to the conidial tolerance of the entomopathogenic fungus to thermal and oxidative stresses. *Applied Microbiology and Biotechnology*, **2011**, 90, 1711-20	5.7	14

90	A simple method for routine maintenance and preservation of entomophthoraceous cultures. *Journal of Invertebrate Pathology*, **2001**, 77, 141-3	2.6	14
89	Distinct roles of two cytoplasmic thioredoxin reductases (Trr1/2) in the redox system involving cysteine synthesis and host infection of Beauveria bassiana. *Applied Microbiology and Biotechnology* , **2016**, 100, 10363-10374	5.7	13
88	Transcriptomic insights into the alternative splicing-mediated adaptation of the entomopathogenic fungus Beauveria bassiana to host niches: autophagy-related gene 8 as an example. *Environmental Microbiology*, **2017**, 19, 4126-4139	5.2	13
87	A fungal insecticide engineered for fast per os killing of caterpillars has high field efficacy and safety in full-season control of cabbage insect pests. *Applied and Environmental Microbiology*, **2013**, 79, 6452-8	4.8	13
86	C-terminal Ser/Thr residues are vital for the regulatory role of Ste7 in the asexual cycle and virulence of Beauveria bassiana. *Applied Microbiology and Biotechnology*, **2018**, 102, 6973-6986	5.7	12
85	Glc8, a regulator of protein phosphatase type 1, mediates oxidation tolerance, asexual development and virulence in Beauveria bassiana, a filamentous entomopathogenic fungus. *Current Genetics*, **2019**, 65, 283-291	2.9	12
84	Recognition of a core fragment ofBeauveria bassiana hydrophobin gene promoter (P hyd1) and its special use in improving fungal biocontrol potential. *Microbial Biotechnology*, **2013**, 6, 27-35	6.3	12
83	Differential Roles for Six P-Type Calcium ATPases in Sustaining Intracellular Ca Homeostasis, Asexual Cycle and Environmental Fitness of Beauveria bassiana. *Scientific Reports*, **2017**, 7, 1420	4.9	12
82	Hydrophobicity-related protein contents and surface areas of aerial conidia are useful traits for formulation design of fungal biocontrol agents. *Mycopathologia*, **2010**, 169, 483-94	2.9	12
81	Pathogenic Fungi and Parasitoids of Aphids Present in Air Captures of Migratory Alates in the Low-latitude Plateau of Yunnan, China. *Environmental Entomology*, **2008**, 37, 1264-1271	2.1	12
80	Mass mortality of larval Eriocheir sinensis (Decapoda: Grapsidae) population bred under facility conditions: possible role of Zoothamnium sp. (Peritrichida: Vorticellidae) Epiphyte. *Journal of Invertebrate Pathology*, **2004**, 86, 59-60	2.6	12
79	Photoprotective Role of Photolyase-Interacting RAD23 and Its Pleiotropic Effect on the Insect-Pathogenic Fungus Beauveria bassiana. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	12
78	Mbp1, a component of the MluI cell cycle box-binding complex, contributes to morphological transition and virulence in the filamentous entomopathogenic fungus Beauveria bassiana. *Environmental Microbiology*, **2020**, 22, 584-597	5.2	12
77	Autophagy-related gene ATG7 participates in the asexual development, stress response and virulence of filamentous insect pathogenic fungus Beauveria bassiana. *Current Genetics*, **2019**, 65, 1015-1024	2.9	11
76	A novel Ras GTPase (Ras3) regulates conidiation, multi-stress tolerance and virulence by acting upstream of Hog1 signaling pathway in Beauveria bassiana. *Fungal Genetics and Biology*, **2015**, 82, 85-94	3.9	11
75	A mixture of putative sodium salts of camptothecin and bamboo tar is a novel botanical insecticide against rice planthoppers and stem borers. *Journal of Pest Science*, **2016**, 89, 1003-1011	5.5	11
74	The DUF1996 and WSC domain-containing protein Wsc1I acts as a novel sensor of multiple stress cues in Beauveria bassiana. *Cellular Microbiology*, **2019**, 21, e13100	3.9	11
73	Five vacuolar Ca(2+) exchangers play different roles in calcineurin-dependent Ca(2+)/Mn(2+) tolerance, multistress responses and virulence of a filamentous entomopathogen. *Fungal Genetics and Biology*, **2014**, 73, 12-9	3.9	11

72	In vivo passages of heterologous Beauveria bassiana isolates improve conidial surface properties and pathogenicity to Nilaparvata lugens (Homoptera: Delphacidae). *Journal of Invertebrate Pathology*, **2011**, 106, 211-6	2.6	11
71	Characterization of a new Cu/Zn-superoxide dismutase from Beauveria bassiana and two site-directed mutations crucial to its antioxidation activity without chaperon. *Enzyme and Microbial Technology*, **2010**, 46, 217-222	3.8	11
70	Sprays of emulsifiable Beauveria bassiana formulation are ovicidal towards Tetranychus urticae (Acari: Tetranychidae) at various regimes of temperature and humidity. *Experimental and Applied Acarology*, **2008**, 46, 247-57	2.1	11
69	Enhanced frequency of Beauveria bassiana blastospore transformation by restriction enzyme-mediated integration and electroporation. *Journal of Microbiological Methods*, **2007**, 69, 512-7	2.8	11
68	Roles of six Hsp70 genes in virulence, cell wall integrity, antioxidant activity and multiple stress tolerance of Beauveria bassiana. *Fungal Genetics and Biology*, **2020**, 144, 103437	3.9	11
67	Rtt109-dependent histone H3 K56 acetylation and gene activity are essential for the biological control potential of Beauveria bassiana. *Pest Management Science*, **2018**, 74, 2626-2635	4.6	11
66	Rei1-like protein regulates nutritional metabolism and transport required for the asexual cycle in vitro and in vivo of a fungal insect pathogen. *Environmental Microbiology*, **2019**, 21, 2772-2786	5.2	10
65	Colony heating protects honey bee populations from a risk of contact with wide-spectrum Beauveria bassiana insecticides applied in the field. *Pest Management Science*, **2020**, 76, 2627-2634	4.6	10
64	Pleiotropic effects of Ubi4, a polyubiquitin precursor required for ubiquitin accumulation, conidiation and pathogenicity of a fungal insect pathogen. *Environmental Microbiology*, **2020**, 22, 2564-2580	5.2	10
63	Three DUF1996 Proteins Localize in Vacuoles and Function in Fungal Responses to Multiple Stresses and Metal Ions. *Scientific Reports*, **2016**, 6, 20566	4.9	10
62	A putative □-glucoside transporter gene BbAGT1 contributes to carbohydrate utilization, growth, conidiation and virulence of filamentous entomopathogenic fungus Beauveria bassiana. *Research in Microbiology*, **2013**, 164, 480-9	4	10
61	Opportunism of Conidiobolus obscurus stems from depression of infection in situ to progeny colonies of host alatae as disseminators of the aphid-pathogenic fungus. *Environmental Microbiology*, **2007**, 9, 859-68	5.2	10
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