Matt T Kasson

List of Publications by Year
in descending order

50 papers	1,413 citations	331670 21 h-index	361022 35 g-index
58 all docs	58 docs citations	58 times ranked	1335 citing authors

#	Article	IF	Citations
1	An inordinate fondness for Fusarium: Phylogenetic diversity of fusaria cultivated by ambrosia beetles in the genus Euwallacea on avocado and other plant hosts. Fungal Genetics and Biology, 2013, 56, 147-157.	2.1	146
2	Discordant phylogenies suggest repeated host shifts in the Fusariumâ€“Euwallacea ambrosia beetle mutualism. Fungal Genetics and Biology, 2015, 82, 277-290.	2.1	121
3	Phylogenomic Analysis of a 55.1-kb 19-Gene Dataset Resolves a MonophyleticFusariumthat Includes theFusarium solaniSpecies Complex. Phytopathology, 2021, 111, 1064-1079.	2.2	107
4	Identification, pathogenicity and abundance of Paracremonium pembeum sp. nov. and Graphium euwallaceae sp. nov.â€”two newly discovered mycangial associates of the polyphagous shot hole borer (Euwallacea sp.) in California. Mycologia, 2016, 108, 313-329.	1.9	90
5	Psychoactive plant- and mushroom-associated alkaloids from two behavior modifying cicada pathogens. Fungal Ecology, 2019, 41, 147-164.	1.6	55
6	Mutualism with aggressive wood-degrading Flavodon ambrosius (Polyporales) facilitates niche expansion and communal social structure in Ambrosiophilus ambrosia beetles. Fungal Ecology, 2016, 23, 86-96.	1.6	52
7	Invasive Asian Fusarium â€“ Euwallacea ambrosia beetle mutualists pose a serious threat to forests, urban landscapes and the avocado industry. Phytoparasitica, 2016, 44, 435-442.	1.2	52
8	Seed Production, Viability, and Reproductive Limits of the Invasive Ailanthus altissima (Tree-of-Heaven) within Invaded Environments. Forests, 2017, 8, 226.	2.1	51
9	New Fungus-Insect Symbiosis: Culturing, Molecular, and Histological Methods Determine Saprophytic Polyporales Mutualists of Ambrosiodmus Ambrosia Beetles. PLoS ONE, 2015, 10, e0137689.	2.5	49
10	Multilocus PCR Assays Elucidate Vegetative Incompatibility Gene Profiles of Cryphonectria parasitica in the United States. Applied and Environmental Microbiology, 2015, 81, 5736-5742.	3.1	35
11	Comparative Pathogenicity, Biocontrol Efficacy, and Multilocus Sequence Typing of Verticillium nonalfalfae from the Invasive Ailanthus altissima and Other Hosts. Phytopathology, 2014, 104, 282-292.	2.2	34
12	Relationships among beech bark disease, climate, radial growth response and mortality of American beech in northern Maine, USA. Forest Pathology, 2012, 42, 199-212.	1.1	33
13	Two novel Fusarium species that cause canker disease of prickly ash (Zanthoxylum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 108, 668-681.	1.9	32
14	Expanded Host Range Testing for Verticillium nonalfalfae: Potential Biocontrol Agent Against the Invasive Ailanthus altissima. Plant Disease, 2015, 99, 823-835.	1.4	30
15	Three novel Ambrosia Fusarium Clade species producing clavate macroconidia known (F.) Tj ETQq1 1 0.784314 rgBT /Overlo Euwallacea spp. (Coleoptera: Scolytinae) on woody hosts. Mycologia, 2019, 111, 919-935.	1.9	30
16	Enhanced hypovirus transmission by engineered super donor strains of the chestnut blight fungus, Cryphonectria parasitica, into a natural population of strains exhibiting diverse vegetative compatibility genotypes. Virology, 2019, 528, 1-6.	2.4	29
17	Fusarium oligoseptatum sp. nov., a mycosymbiont of the ambrosia beetle Euwallacea validus in the Eastern U.S. and typification of F. ambrosium. Fungal Systematics and Evolution, 2018, 1, 23-39.	2.2	27
18	First Report of Verticillium Wilt Caused by Verticillium nonalfalfae on Tree-of-Heaven (Ailanthus altissima) in Ohio. Plant Disease, 2013, 97, 999-999.	1.4	26

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19	Ambrosia beetle Premnobius cavipennis (Scolytinae: Ipini) carries highly divergent ascomycotan ambrosia fungus, Afroraffaelea ambrosiae gen. nov. et sp. nov. (Ophiostomatales). Fungal Ecology, 2017, 25, 41-49.	1.6	25
20	Behavioral betrayal: How select fungal parasites enlist living insects to do their bidding. PLoS Pathogens, 2020, 16, e1008598.	4.7	25
21	Specific and promiscuous ophiostomatalean fungi associated with Platypodinae ambrosia beetles in the southeastern United States. Fungal Ecology, 2018, 35, 42-50.	1.6	23
22	Several Metarhizium Species Produce Ergot Alkaloids in a Condition-Specific Manner. Applied and Environmental Microbiology, 2020, 86, .	3.1	23
23	Spatial distribution ofNeonectriaspecies associated with beech bark disease in northern Maine. Mycologia, 2009, 101, 190-195.	1.9	22
24	Members of the Euwallacea fornicatus species complex exhibit promiscuous mutualism with ambrosia fungi in Taiwan. Fungal Genetics and Biology, 2019, 133, 103269.	2.1	22
25	First Report of Verticillium Wilt of Ailanthus altissima in Virginia Caused by Verticillium nonalfalfae. Plant Disease, 2013, 97, 837-837.	1.4	21
26	Bark beetle mycobiome: collaboratively defined research priorities on a widespread insect-fungus symbiosis. Symbiosis, 2020, 81, 101-113.	2.3	20
27	Diversity and function of fungi associated with the fungivorous millipede, Brachycybe lecontii. Fungal Ecology, 2019, 41, 187-197.	1.6	17
28	PCR Multiplexes Discriminate Fusarium Symbionts of Invasive Euwallacea Ambrosia Beetles that Inflict Damage on Numerous Tree Species Throughout the United States. Plant Disease, 2017, 101, 233-240.	1.4	16
29	Structure of the Ambrosia Beetle (Coleoptera: Curculionidae) Mycangia Revealed Through Micro-Computed Tomography. Journal of Insect Science, 2018, 18, .	1.5	16
30	Field-inoculated Ailanthus altissima stands reveal the biological control potential of Verticillium nonalfalfae in the mid-Atlantic region of the United States. Biological Control, 2020, 148, 104298.	3.0	15
31	Evolutionary relationships among Massospora spp. (Entomophthorales), obligate pathogens of cicadas. Mycologia, 2020, 112, 1060-1074.	1.9	15
32	Distribution, Host Records, and Symbiotic Fungi ofEuwallacea fornicatus(Coleoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.5	13
33	Micro-computed tomography permits enhanced visualization of mycangia across development and between sexes in Euwallacea ambrosia beetles. PLoS ONE, 2020, 15, e0236653.	2.5	13
34	First Report of Diplodia corticola Causing Stem Cankers and Associated Vascular Occlusion of Northern Red Oak (Quercus rubra) in West Virginia. Plant Disease, 2017, 101, 380-380.	1.4	12
35	Morphological and Phylogenetic Resolution of Diplodia corticola and D. quercivora, Emerging Canker Pathogens of Oak (Quercus spp.), in the United States. Plant Disease, 2021, 105, 1298-1307.	1.4	11
36	First Report of Seedling Blight of Eastern Poison Ivy (Toxicodendron radicans) by Colletotrichum fioriniae in Virginia. Plant Disease, 2014, 98, 995-995.	1.4	10

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37	Two newGeosmithiaspecies inG. pallidaspecies complex from bark beetles in eastern USA. Mycologia, 2017, 109, 1-14.	1.9	9
38	Three novel Ambrosia Fusarium Clade species producing multiseptate â€œdolphin-shapedâ€•conidia, and an augmented description of Fusarium kuroshium. Mycologia, 2021, 113, 1-21.	1.9	8
39	Longâ€term field study of transgenic hypovirulent strains of Cryphonectria parasitica in a forest setting. Forest Pathology, 2017, 47, e12367.	1.1	7
40	Genome Sequence of a Lethal Vascular Wilt Fungus, Verticillium nonalfalfae, a Biological Control Used Against the Invasive Ailanthus altissima. Microbiology Resource Announcements, 2019, 8, .	0.6	7
41	First Report of Diplodia quercivora Causing Stem Cankers on Chestnut Oak (Quercus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	7
42	Characterization of mating type genes in heterothallicNeonectriaspecies, with emphasis onN. coccinea, N. ditissima, andN. faginata. Mycologia, 2020, 112, 880-894.	1.9	7
43	Natural history of the social millipede Brachycybe lecontii Wood, 1864. Biodiversity Data Journal, 2020, 8, e50770.	0.8	6
44	Resolving host and species boundaries for perithecia-producing nectriaceous fungi across the central Appalachian Mountains. Fungal Ecology, 2020, 47, 100980.	1.6	5
45	A Case Study: Walnut Twig Beetle, Pityophthorus juglandis Blackman (Coleoptera: Curculionidae:) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	4
46	Pathogen and Endophyte Assemblages Co-vary With Beech Bark Disease Progression, Tree Decline, and Regional Climate. Frontiers in Forests and Global Change, 2021, 4, .	2.3	4
47	Deoxybuzonamine Isomers from the Millipede Brachycybe lecontii (Platydesmida:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	3.0	4
48	Ecology: Fungal Mimics Dupe Animals by Transforming Plants. Current Biology, 2021, 31, R250-R252.	3.9	2
49	First Report of Fusarium Stem Canker on Pyrularia pubera, a Rare Native Parasitic Shrub in Forests of Southwestern Pennsylvania. Plant Disease, 2018, 102, 1852-1852.	1.4	1
50	Animal-associated fungi: Editorial. Mycologia, 2020, 112, 1045-1047.	1.9	1