Charles Mitter

List of Publications by Year
in descending order

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60 papers	5,871 citations	76326 40 h-index	155660 55 g-index
60 all docs	60 docs citations	60 times ranked	4137 citing authors

#	Article	IF	Citations
1	The Phylogenetic Study of Adaptive Zones: Has Phytophagy Promoted Insect Diversification?. American Naturalist, 1988, 132, 107-128.	2.1	642
2	Order Lepidoptera Linnaeus, 1758. In: Zhang, Z.-Q. (Ed.) Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness. Zootaxa, 2011, 3148, .	0.5	398
3	Escalation of Plant Defense: Do Latex and Resin Canals Spur Plant Diversification?. American Naturalist, 1991, 138, 881-900.	2.1	361
4	Nitrogen in Insects: Implications for Trophic Complexity and Species Diversification. American Naturalist, 2002, 160, 784-802.	2.1	358
5	A Large-Scale, Higher-Level, Molecular Phylogenetic Study of the Insect Order Lepidoptera (Moths and) Tj ETQq1 1 0.784314 rgBT /Over	2.5	253
6	Phylogenetic studies of insect-plant interactions: Insights into the genesis of diversity. Trends in Ecology and Evolution, 1991, 6, 290-293.	8.7	223
7	Toward reconstructing the evolution of advanced moths and butterflies (Lepidoptera: Ditrysia): an initial molecular study. BMC Evolutionary Biology, 2009, 9, 280.	3.2	202
8	Phylogeny and Evolution of Lepidoptera. Annual Review of Entomology, 2017, 62, 265-283.	11.8	188
9	GENETIC VARIATION AND HOST PLANT RELATIONS IN A PARTHENOGENETIC MOTH. Evolution; International Journal of Organic Evolution, 1979, 33, 777-790.	2.3	152
10	Diversification at the Insect-Plant Interface. BioScience, 1992, 42, 34-42.	4.9	148
11	PHYLOGENESIS OF INSECT/PLANT INTERACTIONS: HAVEPHYLLOBROTICALEAF BEETLES (CHRYSOMELIDAE) AND THE LAMIALES DIVERSIFIED IN PARALLEL?. Evolution; International Journal of Organic Evolution, 1990, 44, 1389-1403.	2.3	147
12	More Taxa or More Characters Revisited: Combining Data from Nuclear Protein-Encoding Genes for Phylogenetic Analyses of Noctuoidea (Insecta: Lepidoptera). Systematic Biology, 2000, 49, 202-224.	5.6	130
13	Diversification of Carnivorous Parasitic Insects: Extraordinary Radiation or Specialized Dead End?. American Naturalist, 1993, 142, 737-754.	2.1	127
14	Systematics and evolution of the cutworm moths (Lepidoptera: Noctuidae): evidence from two protein-coding nuclear genes. Systematic Entomology, 2005, 31, 21-46.	3.9	121
15	An annotated catalog of fossil and subfossil Lepidoptera (Insecta: Holometabola) of the world. Zootaxa, 2012, 3286, 1.	0.5	101
16	Priors and Posteriors in Bayesian Timing of Divergence Analyses: The Age of Butterflies Revisited. Systematic Biology, 2019, 68, 797-813.	5.6	101
17	A New Nuclear Gene for Insect Phylogenetics: DOPA Decarboxylase is Informative of Relationships within Heliothinae (Lepidoptera: Noctuidae). Systematic Biology, 1997, 46, 269-283.	5.6	98
18	A molecular phylogeny for the pyraloid moths (Lepidoptera: Pyraloidea) and its implications for higherâ€level classification. Systematic Entomology, 2012, 37, 635-656.	3.9	96

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19	Repeated climate-linked host shifts have promoted diversification in a temperate clade of leaf-mining flies. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18103-18108.	7.1	93
20	Molecular phylogenetics of heliothine moths (Lepidoptera: Noctuidae: Heliothinae), with comments on the evolution of host range and pest status. Systematic Entomology, 2008, 33, 581-594.	3.9	92
21	Phylogeny and Biogeography of Hawkmoths (Lepidoptera: Sphingidae): Evidence from Five Nuclear Genes. PLoS ONE, 2009, 4, e5719.	2.5	87
22	Can Deliberately Incomplete Gene Sample Augmentation Improve a Phylogeny Estimate for the Advanced Moths and Butterflies (Hexapoda: Lepidoptera)?. Systematic Biology, 2011, 60, 782-796.	5.6	87
23	Increased gene sampling yields robust support for higherâ€level clades within Bombycoidea (Lepidoptera). Systematic Entomology, 2011, 36, 31-43.	3.9	83
24	A molecular phylogeny for the oldest (nonditrysian) lineages of extant <scp>L</scp>epidoptera, with implications for classification, comparative morphology and lifeâ€history evolution. Systematic Entomology, 2015, 40, 671-704.	3.9	82
25	Phylogenesis of Insect/Plant Interactions: Have Phyllobrotica Leaf Beetles (Chrysomelidae) and the Lamiales Diversified in Parallel?. Evolution; International Journal of Organic Evolution, 1990, 44, 1389.	2.3	80
26	A phylogenetic study of the â€˜bombycoid complexâ€™ (Lepidoptera) using five proteinâ€coding nuclear genes, with comments on the problem of macrolepidopteran phylogeny. Systematic Entomology, 2008, 33, 175-189.	3.9	77
27	Nuclear Genes Resolve Mesozoic-Aged Divergences in the Insect Order Lepidoptera. Molecular Phylogenetics and Evolution, 2000, 15, 242-259.	2.7	72
28	A Molecular Phylogeny for the Leaf-Roller Moths (Lepidoptera: Tortricidae) and Its Implications for Classification and Life History Evolution. PLoS ONE, 2012, 7, e35574.	2.5	71
29	A Molecular Phylogeny for Yponomeutoidea (Insecta, Lepidoptera, Ditrysia) and Its Implications for Classification, Biogeography and the Evolution of Host Plant Use. PLoS ONE, 2013, 8, e55066.	2.5	70
30	The Phylogenetic Dimension of Insect-Plant Interactions: A Review of Recent Evidence. , 2008, , 240-263.		67
31	The relationship of body size to breadth of diet in some Lepidoptera. Ecological Entomology, 1978, 3, 155-160.	2.2	61
32	A molecular phylogeny and revised higherâ€level classification for the leafâ€mining moth family <scp>G</scp>racillariidae and its implications for larval hostâ€use evolution. Systematic Entomology, 2017, 42, 60-81.	3.9	61
33	Adaptive Radiation in Insects and Plants: Time and Opportunity. American Zoologist, 1994, 34, 57-69.	0.7	59
34	An Evolutionaryâ€“Genetic View of Host-Plant Utilization by Insects. , 1983, , 427-459.		56
35	Phylogenetic relationships of wild silkmoths (Lepidoptera: Saturniidae) inferred from four proteinâ€coding nuclear genes. Systematic Entomology, 2008, 33, 219-228.	3.9	55
36	Further progress on the phylogeny of <scp>N</scp>octuoidea (<scp>I</scp>nsecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (<scp>	3.9	54

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37	Increased gene sampling strengthens support for higher-level groups within leaf-mining moths and relatives (Lepidoptera: Gracillariidae). BMC Evolutionary Biology, 2011, 11, 182.	3.2	52
38	A molecular phylogeny and revised classification for the oldest ditrysian moth lineages (<scp>L</scp>epidoptera: <scp>T</scp>ineoidea), with implications for ancestral feeding habits of the megaâ€diverse <scp>D</scp>itrysia. Systematic Entomology, 2015, 40, 409-432.	3.9	52
39	Combined molecular and morphological evidence on the phylogeny of the earliest lepidopteran lineages. Zoologica Scripta, 2002, 31, 67-81.	1.7	49
40	EVOLUTIONARY ORIGIN OF THE CYCLORRHAPHA (DIPTERA): TEST OF ALTERNATIVE MORPHOLOGICAL HYPOTHESES. Cladistics, 1993, 9, 41-81.	3.3	48
41	Two Nuclear Genes Yield Concordant Relationships within Attacini (Lepidoptera: Saturniidae). Molecular Phylogenetics and Evolution, 1998, 9, 131-140.	2.7	48
42	POPULATION GENETIC CONSEQUENCES OF FEEDING HABITS IN SOME FOREST LEPIDOPTERA. Genetics, 1979, 92, 1005-1021.	2.9	42
43	Phylogenetic Utility of the Nuclear Gene Dopa Decarboxylase in Noctuoid Moths (Insecta: Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Ove	2.7	41
44	Molecular phylogeny and systematics of leaf-mining flies (Diptera: Agromyzidae): delimitation ofPhytomyzaFallÃ©n sensu lato and included species groups, with new insights on morphological and host-use evolution. Systematic Entomology, 2009, 34, 260-292.	3.9	39
45	Phylogeny and feeding trait evolution of the megaâ€diverse Gelechioidea (Lepidoptera: Obtectomera): new insight from 19 nuclear genes. Systematic Entomology, 2016, 41, 112-132.	3.9	39
46	Phylotranscriptomics resolves ancient divergences in the Lepidoptera. Systematic Entomology, 2017, 42, 305-316.	3.9	38
47	Selective factors affecting clonal variation in the fall cankerworm Alsophila pometaria (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	34
48	20. Evolution of Larval Food Preferences in Lepidoptera. , 1998, , 403-422.		34
49	Phylogeny of pteromalid parasitic wasps (Hymenoptera: Pteromalidae): Initial evidence from four protein-coding nuclear genes. Molecular Phylogenetics and Evolution, 2007, 45, 454-469.	2.7	34
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55	Re: Phylogenetic Relationships in Sphingidae (Insecta: Lepidoptera): Initial Evidence from Two Nuclear Genes. Molecular Phylogenetics and Evolution, 2001, 20, 311-316.	2.7	18
56	Evolution of heteroneuran Lepidoptera (Insecta) and the utility of dopa decarboxylase for Cretaceous-age phylogenetics. Zoological Journal of the Linnean Society, 2000, 130, 213-234.	2.3	13
57	A revision of the Cossulinae of Costa Rica and cladistic analysis of the world species (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	10
58	Lepidopteran phytogeny and applications to comparative studies of development. , 1995, , 107-138.		6
59	Genetic Change and Insect Outbreaks. , 1987, , 505-532.		5
60	Evolution of heteroneuran Lepidoptera (Insecta) and the utility of dopa decarboxylase for Cretaceous-age phylogenetics. Zoological Journal of the Linnean Society, 2000, 130, 213-234.	2.3	4