Charles Mitter

List of Publications by Year
in descending order

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	Priors and Posteriors in Bayesian Timing of Divergence Analyses: The Age of Butterflies Revisited. Systematic Biology, 2019, 68, 797-813.	5.6	101
2	Phylogeny and Evolution of Lepidoptera. Annual Review of Entomology, 2017, 62, 265-283.	11.8	188
3	Further progress on the phylogeny of <scp>N</scp>octuoidea (<scp>I</scp>nsecta:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652	3.9	54
4	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
5	Phylotranscriptomics resolves ancient divergences in the Lepidoptera. Systematic Entomology, 2017, 42, 305-316.	3.9	38
6	Preserving and vouchering butterflies and moths for large-scale museum-based molecular research. PeerJ, 2016, 4, e2160.	2.0	22
7	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
8	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
9	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
10	A Large-Scale, Higher-Level, Molecular Phylogenetic Study of the Insect Order Lepidoptera (Moths and) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	253
11	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
12	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
13	An annotated catalog of fossil and subfossil Lepidoptera (Insecta: Holometabola) of the world. Zootaxa, 2012, 3286, 1.	0.5	101
14	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
15	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
16	Increased gene sampling yields robust support for higherâ€level clades within Bombycoidea (Lepidoptera). Systematic Entomology, 2011, 36, 31-43.	3.9	83
17	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
18	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

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19	Phylogeny and Biogeography of Hawkmoths (Lepidoptera: Sphingidae): Evidence from Five Nuclear Genes. PLoS ONE, 2009, 4, e5719.	2.5	87
20	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
21	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
22	Toward reconstructing the evolution of advanced moths and butterflies (Lepidoptera: Ditrysia): an initial molecular study. BMC Evolutionary Biology, 2009, 9, 280.	3.2	202
23	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
24	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
25	Phylogenetic relationships of wild silkmoths (Lepidoptera: Saturniidae) inferred from four proteinâ€coding nuclear genes. Systematic Entomology, 2008, 33, 219-228.	3.9	55
26	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
27	The Phylogenetic Dimension of Insect-Plant Interactions: A Review of Recent Evidence. , 2008, , 240-263.		67
28	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
29	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
30	Phylogenetics of Eggshell Morphogenesis in Antheraea (Lepidoptera: Saturniidae): Unique Origin and Repeated Reduction of the Aeropyle Crown. Systematic Biology, 2005, 54, 254-267.	5.6	20
31	Monophyly, composition, and relationships within Saturniinae (Lepidoptera: Saturniidae): Evidence from two nuclear genes. Insect Systematics and Evolution, 2002, 33, 9-21.	0.7	22
32	Nitrogen in Insects: Implications for Trophic Complexity and Species Diversification. American Naturalist, 2002, 160, 784-802.	2.1	358
33	Combined molecular and morphological evidence on the phylogeny of the earliest lepidopteran lineages. Zoologica Scripta, 2002, 31, 67-81.	1.7	49
34	Re: Phylogenetic Relationships in Sphingidae (Insecta: Lepidoptera): Initial Evidence from Two Nuclear Genes. Molecular Phylogenetics and Evolution, 2001, 20, 311-316.	2.7	18
35	Nuclear Genes Resolve Mesozoic-Aged Divergences in the Insect Order Lepidoptera. Molecular Phylogenetics and Evolution, 2000, 15, 242-259.	2.7	72
36	Phylogenetic Utility of the Nuclear Gene Dopa Decarboxylase in Noctuoid Moths (Insecta: Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10	2.7	41

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37	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
38	Phylogenetic relationships in Lasiocampidae (Lepidoptera): Initial evidence from elongation factor-1Î± sequences. Insect Systematics and Evolution, 2000, 31, 179-186.	0.7	20
39	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
40	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
41	Two Nuclear Genes Yield Concordant Relationships within Attacini (Lepidoptera: Saturniidae). Molecular Phylogenetics and Evolution, 1998, 9, 131-140.	2.7	48
42	20. Evolution of Larval Food Preferences in Lepidoptera. , 1998, , 403-422.		34
43	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
44	Lepidopteran phytogeny and applications to comparative studies of development. , 1995, , 107-138.		6
45	Adaptive Radiation in Insects and Plants: Time and Opportunity. American Zoologist, 1994, 34, 57-69.	0.7	59
46	EVOLUTIONARY ORIGIN OF THE CYCLORRHAPHA (DIPTERA): TEST OF ALTERNATIVE MORPHOLOGICAL HYPOTHESES. Cladistics, 1993, 9, 41-81.	3.3	48
47	Diversification of Carnivorous Parasitic Insects: Extraordinary Radiation or Specialized Dead End?. American Naturalist, 1993, 142, 737-754.	2.1	127
48	Diversification at the Insect-Plant Interface. BioScience, 1992, 42, 34-42.	4.9	148
49	Phylogenetic studies of insect-plant interactions: Insights into the genesis of diversity. Trends in Ecology and Evolution, 1991, 6, 290-293.	8.7	223
50	Escalation of Plant Defense: Do Latex and Resin Canals Spur Plant Diversification?. American Naturalist, 1991, 138, 881-900.	2.1	361
51	PHYLOGENESIS OF INSECT/PLANT INTERACTIONS: HAVE<i>PHYLLOBROTICA</i>LEAF BEETLES (CHRYSOMELIDAE) AND THE LAMIALES DIVERSIFIED IN PARALLEL?. Evolution; International Journal of Organic Evolution, 1990, 44, 1389-1403.	2.3	147
52	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
53	The Phylogenetic Study of Adaptive Zones: Has Phytophagy Promoted Insect Diversification?. American Naturalist, 1988, 132, 107-128.	2.1	642
54	Genetic Change and Insect Outbreaks. , 1987, , 505-532.		5

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55	An Evolutionaryâ€“Genetic View of Host-Plant Utilization by Insects. , 1983, , 427-459.		56
56	Selective factors affecting clonal variation in the fall cankerworm Alsophila pometaria (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.6	34
57	GENETIC VARIATION AND HOST PLANT RELATIONS IN A PARTHENOGENETIC MOTH. Evolution; International Journal of Organic Evolution, 1979, 33, 777-790.	2.3	152
58	POPULATION GENETIC CONSEQUENCES OF FEEDING HABITS IN SOME FOREST LEPIDOPTERA. Genetics, 1979, 92, 1005-1021.	2.9	42
59	The relationship of body size to breadth of diet in some Lepidoptera. Ecological Entomology, 1978, 3, 155-160.	2.2	61
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