

David A Grimaldi

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

6,304
citations

126907

33
h-index

71685

76
g-index

100
all docs

100
docs citations

100
times ranked

4472
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary History of Interactions among Terrestrial Arthropods. <i>Current Opinion in Insect Science</i> , 2022, , 100915.	4.4	1
2	The <i>Drosophila funebris</i> Species Group in North America (Diptera: Drosophilidae). <i>American Museum Novitates</i> , 2022, 2022, .	0.6	2
3	James S. Miller (1953–2022): Remembering a Great Entomologist, Musician, and Friend. <i>American Entomologist</i> , 2022, 68, 59-60.	0.2	0
4	X-ray computed tomography. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	305
5	Insects with 100 million-year-old dinosaur feathers are not ectoparasites. <i>Nature Communications</i> , 2021, 12, 1469.	12.8	8
6	Saproxyllic fly diversity in a Costa Rican forest mosaic. <i>Journal of Natural History</i> , 2021, 55, 1251-1265.	0.5	3
7	Flowers of Apocynaceae in amber from the early Eocene of India. <i>American Journal of Botany</i> , 2021, 108, 883-892.	1.7	5
8	Diverse new tropical land snail species from mid-Cretaceous Burmese amber (Mollusca: Gastropoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	14
9	<p>A Revision of the Drosophila spinipes Species Group (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.5	0
10	Transcriptomes reveal expression of hemoglobins throughout insects and other Hexapoda. <i>PLoS ONE</i> , 2020, 15, e0234272.	2.5	6
11	Cretaceous Diversity of the Relict Genus <i>Alavesia</i> Waters and Arillo (Diptera: Empidoidea: Atelestidae). <i>American Museum Novitates</i> , 2020, 2020, .	0.6	2
12	Direct evidence for eudicot pollen-feeding in a Cretaceous stinging wasp (Angiospermae; Hymenoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.4	26
13	Amber. <i>Current Biology</i> , 2019, 29, R861-R862.	3.9	8
14	<i>Dracula</i> orchids exploit guilds of fungus visiting flies: new perspectives on a mushroom mimic. <i>Ecological Entomology</i> , 2019, 44, 457-470.	2.2	11
15	Morphological stasis in the first myxomycete from the Mesozoic, and the likely role of cryptobiosis. <i>Scientific Reports</i> , 2019, 9, 19730.	3.3	8
16	Unique Metasomal Musculature in Sweat Bees (Hymenoptera: Apoidea: Halictidae) Revealed by Micro-CT Scanning. <i>American Museum Novitates</i> , 2019, 2019, 1.	0.6	2
17	Comprehensive inventory of true flies (Diptera) at a tropical site. <i>Communications Biology</i> , 2018, 1, 21.	4.4	48
18	Biological Inclusions in Amber from the Paleogene Chickaloon Formation of Alaska. <i>American Museum Novitates</i> , 2018, 3908, 1-37.	0.6	10

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19	First Tropical American Species of the "Relict" Genus <i>Litoleptis</i> and Relationships in Spaniinae (Diptera: Rhagionidae). <i>American Museum Novitates</i> , 2018, 3909, 1-18.	0.6	1
20	Basal Cyclorrhapha in Amber from the Cretaceous and Tertiary (Insecta: Diptera), and Their Relationships: Brachycera in Cretaceous Amber Part IX. <i>Bulletin of the American Museum of Natural History</i> , 2018, 423, 1-97.	3.4	10
21	Remarkable fly (Diptera) diversity in a patch of Costa Rican cloud forest: Why inventory is a vital science. <i>Zootaxa</i> , 2018, 4402, 53-90.	0.5	86
22	Hirtodrosophila of North America (Diptera: Drosophilidae). <i>Bulletin of the American Museum of Natural History</i> , 2018, 421, 1-75.	3.4	11
23	A late Cretaceous fagalean inflorescence preserved in amber from New Jersey. <i>American Journal of Botany</i> , 2018, 105, 1424-1435.	1.7	14
24	Haltere morphology and campaniform sensilla arrangement across Diptera. <i>Arthropod Structure and Development</i> , 2017, 46, 215-229.	1.4	28
25	Early lineages of Vespidae (Hymenoptera) in Cretaceous amber. <i>Systematic Entomology</i> , 2017, 42, 379-386.	3.9	30
26	The oldest predaceous water bugs (Insecta, Heteroptera, Belostomatidae), with implications for paleolimnology of the Triassic Cow Branch Formation. <i>Journal of Paleontology</i> , 2017, 91, 1166-1177.	0.8	11
27	Ticks parasitised feathered dinosaurs as revealed by Cretaceous amber assemblages. <i>Nature Communications</i> , 2017, 8, 1924.	12.8	79
28	First fossil of an oestroid fly (Diptera: Calyptratae: Oestroidea) and the dating of oestroid divergences. <i>PLoS ONE</i> , 2017, 12, e0182101.	2.5	37
29	A new genus of hell ants from the Cretaceous (Hymenoptera: Formicidae: Haidomyrmecini) with a novel head structure. <i>Systematic Entomology</i> , 2017, 42, 837-846.	3.9	30
30	Lygistorrhinidae (Diptera: Bibionomorpha: Sciaroidea) in early Eocene Cambay amber. <i>PeerJ</i> , 2017, 5, e3313.	2.0	11
31	Putting scales into evolutionary time: the divergence of major scale insect lineages (Hemiptera) predates the radiation of modern angiosperm hosts. <i>Scientific Reports</i> , 2016, 6, 23487.	3.3	46
32	Mid-Cretaceous amber fossils illuminate the past diversity of tropical lizards. <i>Science Advances</i> , 2016, 2, e1501080.	10.3	100
33	The Cretaceous Fossil <i>Burmaculex antiquus</i> Confirmed as the Earliest Known Lineage of Mosquitoes (Diptera: Culicidae). <i>Zootaxa</i> , 2016, 4079, 457-66.	0.5	9
34	The Mesozoic Family Eremochaetidae (Diptera: Brachycera) in Burmese Amber and Relationships of Archisargoidea: Brachycera in Cretaceous Amber, Part VIII. <i>American Museum Novitates</i> , 2016, 3865, 1-29.	0.6	9
35	Diverse Orthorrhaphan Flies (Insecta: Diptera: Brachycera) in Amber From the Cretaceous of Myanmar: Brachycera in Cretaceous Amber, Part VII. <i>Bulletin of the American Museum of Natural History</i> , 2016, 408, 1-131.	3.4	39
36	Adaptive Radiation in Socially Advanced Stem-Group Ants from the Cretaceous. <i>Current Biology</i> , 2016, 26, 515-521.	3.9	102

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37	Morphologically Specialized Termite Castes and Advanced Sociality in the Early Cretaceous. <i>Current Biology</i> , 2016, 26, 522-530.	3.9	76
38	A mosaic Lauralean flower from the Early Cretaceous of Myanmar. <i>American Journal of Botany</i> , 2016, 103, 290-297.	1.7	23
39	Small but not ephemeral: newly discovered species of Aphelinidae and Trichogrammatidae (Insecta: Tj ETQq1 1 0.784314 rgBT /Over	3.9	10
40	Diverse New Scale Insects (Hemiptera: Coccoidea) in Amber from the Cretaceous and Eocene with a Phylogenetic Framework for Fossil Coccoidea. <i>American Museum Novitates</i> , 2015, 3823, 1-15.	0.6	26
41	Pollination of <i>Specklinia</i> by nectar-feeding <i>Drosophila</i> : the first reported case of a deceptive syndrome employing aggregation pheromones in Orchidaceae. <i>Annals of Botany</i> , 2015, 116, 437-455.	2.9	28
42	Long-Proboscis Flies as Pollinators of Cretaceous Gymnosperms. <i>Current Biology</i> , 2015, 25, 1917-1923.	3.9	68
43	Long-proboscid brachyceran flies in Cretaceous amber (Diptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.9	23
44	Strange Little Flies in the Big City: Exotic Flower-Breeding Drosophilidae (Diptera) in Urban Los Angeles. <i>PLoS ONE</i> , 2015, 10, e0122575.	2.5	12
45	A Diverse Ant Fauna from the Mid-Cretaceous of Myanmar (Hymenoptera: Formicidae). <i>PLoS ONE</i> , 2014, 9, e93627.	2.5	29
46	High diversity of Drosophilidae (Insecta, Diptera) in the Pampas Biome of South America, with descriptions of new <i>Rhinoleucophenga</i> species. <i>Zootaxa</i> , 2014, 3779, 215.	0.5	27
47	Specialized Myrmecophily at the Ecological Dawn of Modern Ants. <i>Current Biology</i> , 2014, 24, 2428-2434.	3.9	71
48	Seeking carotenoid pigments in amber-preserved fossil feathers. <i>Scientific Reports</i> , 2014, 4, 5226.	3.3	36
49	Treatise on the Isoptera of the World. <i>Bulletin of the American Museum of Natural History</i> , 2013, 377, 1-200.	3.4	228
50	A New Genus of Highly Specialized Ants in Cretaceous Burmese Amber (Hymenoptera: Formicidae). <i>Zootaxa</i> , 2013, 3681, 405-12.	0.5	33
51	The extinct genus <i>Pareuthychaeta</i> in Eocene ambers (Diptera: Schizophora: Ephydroidea). <i>Canadian Entomologist</i> , 2012, 144, 17-28.	0.8	14
52	Rediscovery of the Bizarre Cretaceous Ant <i>Haidomyrmex</i> Dlussky (Hymenoptera: Formicidae), with Two New Species. <i>American Museum Novitates</i> , 2012, 3755, 1-16.	0.6	39
53	Phylogeny of ensign scale insects (Hemiptera: Coccoidea: Ortheziidae) based on the morphology of Recent and fossil females. <i>Systematic Entomology</i> , 2012, 37, 758-783.	3.9	24
54	Arthropods in amber from the Triassic Period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14796-14801.	7.1	132

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55	Age constraint on Burmese amber based on U ²³⁵ Pb dating of zircons. <i>Cretaceous Research</i> , 2012, 37, 155-163.	1.4	1,215
56	Presentation of the 2008 Charles Schuchert Award of the Paleontological Society to Michael S. Engel. <i>Journal of Paleontology</i> , 2011, 85, 809-809.	0.8	0
57	Episodic radiations in the fly tree of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5690-5695.	7.1	739
58	A new genus of sphaeropsocid bark lice from the Early Cretaceous amber of Lebanon (Psocodea: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.9	6
59	Latest occurrences of the Mesozoic family Elcanidae (Insecta: Orthoptera), in Cretaceous amber from Myanmar and Spain. <i>Annales De La Societe Entomologique De France</i> , 2010, 46, 88-99.	0.9	20
60	Non-jumping plant lice in Cretaceous amber (Hemiptera: Sternorrhyncha: Psylloidea). <i>Systematic Entomology</i> , 2010, 35, 172-180.	3.9	23
61	400 million years on six legs: On the origin and early evolution of Hexapoda. <i>Arthropod Structure and Development</i> , 2010, 39, 191-203.	1.4	69
62	The effects of fossil placement and calibration on divergence times and rates: An example from the termites (Insecta: Isoptera). <i>Arthropod Structure and Development</i> , 2010, 39, 204-219.	1.4	69
63	Fossil record and phylogeny of the Arthropoda. <i>Arthropod Structure and Development</i> , 2010, 39, 72-73.	1.4	2
64	Biogeographic and evolutionary implications of a diverse paleobiota in amber from the early Eocene of India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18360-18365.	7.1	184
65	A New Subfamily of Aphids (Hemiptera, Aphidomorpha) from the Early Cretaceous Lebanese Amber with a Description of the Oldest Apterous Morphs. <i>Acta Geologica Sinica</i> , 2010, 84, 665-672.	1.4	7
66	Pushing Back Amber Production. <i>Science</i> , 2009, 326, 51-52.	12.6	20
67	100 million years of morphological conservation in bark beetles (Coleoptera: Curculionidae: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 61	3.9	61
68	Did Disease Indeed Destroy the Dinosaurs?: What Bugged the Dinosaurs? Insects, Disease, and Death in the Cretaceous. George Poinar Jr. and Roberta Poinar. Princeton University Press, 2008, 264 pp., illus. \$29.95 (ISBN 9780691124315 cloth).. <i>BioScience</i> , 2009, 59, 446-447.	4.9	1
69	Diverse Rhinotermitidae and Termitidae (Isoptera) in Dominican Amber. <i>American Museum Novitates</i> , 2009, 2009, 1.	0.6	29
70	Early Cretaceous Spider Web with Its Prey. <i>Science</i> , 2006, 312, 1761-1761.	12.6	60
71	Extralimital Fossils of the Gondwanan Family Sphaeropsocidae (Insecta: Psocodea). <i>American Museum Novitates</i> , 2006, 3523, 1.	0.6	16
72	Valeseguyidae, a new family of Diptera in the Scatopsoidea, with a new genus in Cretaceous amber from Myanmar. <i>Systematic Entomology</i> , 2006, 31, 508-516.	3.9	17

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73	Fossil Liposcelididae and the lice ages (Insecta: Psocodea). Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 625-633.	2.6	43
74	Assemblages of mammalian hair and blood-feeding midges (Insecta: Diptera: Psychodidae). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td 2005, 96, 177-195.	0.7	20
75	Primitive New Ants in Cretaceous Amber from Myanmar, New Jersey, and Canada (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 0.6	0.6	72
76	Revision of the bizarre Mesozoic scorpionflies in the Pseudopolycentropodidae (Mecopteroidea). Insect Systematics and Evolution, 2005, 36, 443-458.	0.7	58
77	The first Mesozoic stephanid wasp (Hymenoptera: Stephanidae). Journal of Paleontology, 2004, 78, 1192-1197.	0.8	6
78	THE FIRST MESOZOIC STEPHANID WASP (HYMENOPTERA: STEPHANIDAE). Journal of Paleontology, 2004, 78, 1192-1197.	0.8	13
79	New light shed on the oldest insect. Nature, 2004, 427, 627-630.	27.8	252
80	Raphidiomimula, an enigmatic new cockroach in cretaceous amber from Myanmar (Burma) (Insecta: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1.5	1.5	31
81	The Earliest Fossil Mosquito (Diptera: Culicidae), in Mid-Cretaceous Burmese Amber. Annals of the Entomological Society of America, 2004, 97, 882-888.	2.5	50
82	THE MESOZOIC FAMILY ARCHIZELMIRIDAE (DIPTERA: INSECTA). Journal of Paleontology, 2003, 77, 368-381.	0.8	14
83	First amber fossils of the extinct family Protopsyllidiidae, and their phylogenetic significance among Hemiptera. Insect Systematics and Evolution, 2003, 34, 329-344.	0.7	32
84	The First Cretaceous Rhinotermitidae (Isoptera): A New Species, Genus, and Subfamily in Burmese Amber. American Museum Novitates, 2003, 3390, 1-10.	0.6	30
85	The Mesozoic family Archizelmiridae (Diptera: Insecta). Journal of Paleontology, 2003, 77, 368-381.	0.8	13
86	Fossiliferous Cretaceous Amber from Myanmar (Burma): Its Rediscovery, Biotic Diversity, and Paleontological Significance. American Museum Novitates, 2002, 3361, 1-71.	0.6	645
87	Insect evolutionary history from Handlirsch to Hennig, and beyond. Journal of Paleontology, 2001, 75, 1152-1160.	0.8	13
88	INSECT EVOLUTIONARY HISTORY FROM HANDLIRSCH TO HENNIG, AND BEYOND. Journal of Paleontology, 2001, 75, 1152-1160.	0.8	53
89	First Mesozoic Record of a Parasitiform Mite: a Larval Argasid Tick in Cretaceous Amber (Acari: Tj ETQq1 1 0.784314 rgBT /Overlock 10 2.5	2.5	68
90	THE OLDEST ANTS ARE CRETACEOUS, NOT EOCENE: COMMENT. Canadian Entomologist, 2000, 132, 691-693.	0.8	6

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91	Oldest known ant fossils discovered. <i>Nature</i> , 1998, 391, 447-447.	27.8	19
92	Fossil mushrooms from Miocene and Cretaceous ambers and the evolution of Homobasidiomycetes. <i>American Journal of Botany</i> , 1997, 84, 981-991.	1.7	125
93	Mammal bones in Dominican amber. <i>Nature</i> , 1996, 380, 489-490.	27.8	40
94	The Age of Dominican Amber. <i>ACS Symposium Series</i> , 1995, , 203-217.	0.5	51
95	Remarkable stasis in some Lower Tertiary parasitoids: descriptions, new records, and review of Strepsiptera in the Oligo-Miocene amber of the Dominican Republic. <i>Insect Systematics and Evolution</i> , 1993, 24, 31-41.	0.7	29
96	Systematics and Modes of Reproductive Isolation in the Holarctic <i>Drosophila testacea</i> Species Group (Diptera: Drosophilidae). <i>Annals of the Entomological Society of America</i> , 1992, 85, 671-685.	2.5	31
97	Windows in Time: <i>Life in Amber</i> . George O. Poinar, Jr. Stanford University Press, Stanford, CA, 1992. xvi, 350 pp., illus., + plates. \$55.. <i>Science</i> , 1992, 258, 1822-1822.	12.6	0
98	Bee flies and bluets: <i>Bombylius</i> (Diptera: Bombyliidae) flower-constant on the distylous species, <i>Hedyotis caerulea</i> (Rubiaceae), and the manner of foraging. <i>Journal of Natural History</i> , 1988, 22, 1-10.	0.5	33