

Jrg U Hammel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

243
papers

4,307
citations

32
h-index

56
g-index

265
ext. papers

5,344
ext. citations

3.8
avg. IF

5.97
L-index

#	Paper	IF	Citations
243	The velvet worm brain unveils homologies and evolutionary novelties across panarthropods.. <i>BMC Biology</i> , 2022 , 20, 26	7.3	0
242	Fire-prone Rhamnaceae with South African affinities in Cretaceous Myanmar amber.. <i>Nature Plants</i> , 2022 ,	11.5	4
241	Notes on South American stingless bees of the genus <i>Scaptotrigona</i> (Hymenoptera: Apidae), Part I: short-bristle species, the tubiba species group. <i>Entomologists Monthly Magazine</i> , 2022 , 158, 41-59	0.5	0
240	A previously unknown feeding mode in millipedes and the convergence of fluid feeding across arthropods.. <i>Science Advances</i> , 2022 , 8, eabm0577	14.3	1
239	Integrated phylogenomics and fossil data illuminate the evolution of beetles.. <i>Royal Society Open Science</i> , 2022 , 9, 211771	3.3	13
238	The first fossil immature of Elmidae: an unusual riffle beetle larva preserved in Baltic amber.. <i>PeerJ</i> , 2022 , 10, e13025	3.1	1
237	A second species of the stingless bee genus <i>Plectoplebeia</i> (Hymenoptera: Apidae). <i>Entomologists Monthly Magazine</i> , 2022 , 158, 79-86	0.5	0
236	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution. <i>Science</i> , 2021 , 374, 717-723	33.3	15
235	First record of the spider family Hersiliidae (Araneae) from the Mesozoic of Europe (Bakony Mts, Hungary). <i>Cretaceous Research</i> , 2021 , 131, 105097	1.8	1
234	Texas beetle larvae (Brachypsectridae) the last 100 million years reviewed. <i>Palaeodiversity</i> , 2021 , 14,	1.1	2
233	The evolution of insect biodiversity. <i>Current Biology</i> , 2021 , 31, R1299-R1311	6.3	4
232	How to extract and analyze pollen from internal organs and exoskeletons of fossil insects?. <i>STAR Protocols</i> , 2021 , 2, 100923	1.4	0
231	Integrative anatomical study of the branched annelid <i>Ramisyllis multicaudata</i> (Annelida, Syllidae). <i>Journal of Morphology</i> , 2021 , 282, 900-916	1.6	1
230	The mid-Miocene Zhangpu biota reveals an outstandingly rich rainforest biome in East Asia. <i>Science Advances</i> , 2021 , 7,	14.3	16
229	The last meal of an Eocene pollen-feeding fly. <i>Current Biology</i> , 2021 , 31, 2020-2026.e4	6.3	2
228	Juvenile ecology drives adult morphology in two insect orders. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210616	4.4	1
227	Balance scientific and ethical concerns to achieve a nuanced perspective on 'blood amber'. <i>Nature Ecology and Evolution</i> , 2021 , 5, 705-706	12.3	6

226	The Effect of Chemistry and 3D Microstructural Architecture on Corrosion of Biodegradable MgZn Alloys. <i>Advanced Engineering Materials</i> , 2021 , 23, 2100157	3.5	0
225	Evolutionary morphology of the antennal heart in stick and leaf insects (Phasmatodea) and webspinners (Embioptera) (Insecta: Eukinolabia). <i>Zoomorphology</i> , 2021 , 140, 331-340	1	0
224	A new termitophilous genus and species of the tribe Amarygmini Gistel, 1848 from China (Coleoptera: Tenebrionidae). <i>Zootaxa</i> , 2021 , 5004, 577-586	0.5	
223	Early specializations for mimicry and defense in a Jurassic stick insect. <i>National Science Review</i> , 2021 , 8, nwaa056	10.8	17
222	Movement analysis of primate molar teeth under load using synchrotron X-ray microtomography. <i>Journal of Structural Biology</i> , 2021 , 213, 107658	3.4	5
221	Beaded lacewings (Neuroptera: Berothidae) in amber from the Lower Cretaceous of Spain. <i>Cretaceous Research</i> , 2021 , 119, 104705	1.8	2
220	The tracheal system of scutigermorph centipedes and the evolution of respiratory systems of myriapods. <i>Arthropod Structure and Development</i> , 2021 , 60, 101006	1.8	3
219	Parallel evolution of direct development in frogs - Skin and thyroid gland development in African Squeaker Frogs (Anura: Arthroleptidae: Arthroleptis). <i>Developmental Dynamics</i> , 2021 , 250, 584-600	2.9	3
218	Termite evolution: mutualistic associations, key innovations, and the rise of Termitidae. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 2749-2769	10.3	16
217	The second chthonioid pseudoscorpion (Pseudoscorpiones: Chthoniidae) from mid-Cretaceous Burmese amber: a new genus with unique morphological features and potential Gondwanan affinities. <i>Journal of Arachnology</i> , 2021 , 48,	1.1	4
216	First steps toward suctorial feeding in millipedes: Comparative morphology of the head of the Platydesmida (Diplopoda: Colobognatha). <i>Invertebrate Biology</i> , 2021 , 140, e12312	1	2
215	The complete life cycle of a Cretaceous beetle parasitoid. <i>Current Biology</i> , 2021 , 31, R118-R119	6.3	4
214	Three new species of the genus Hexarhopalus Fairmaire, 1891 (Coleoptera, Tenebrionidae: Cnodalonini) from China. <i>Zootaxa</i> , 2021 , 5004, 587-597	0.5	
213	Coming together-symbiont acquisition and early development in deep-sea bathymodioline mussels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211044	4.4	3
212	The first fossil of the pseudoscorpion family Ideoroncidae (Arachnida: Pseudoscorpiones): a new taxon from the mid-Cretaceous of northern Myanmar. <i>Cretaceous Research</i> , 2021 , 105030	1.8	1
211	The taxonomic impediment: a shortage of taxonomists, not the lack of technical approaches. <i>Zoological Journal of the Linnean Society</i> , 2021 , 193, 381-387	2.4	16
210	Cretaceous diversity and disparity in a lacewing lineage of predators (Neuroptera: Mantispidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200629	4.4	7
209	On the availability of the family-group name Lychnocolacidae (Strepsiptera). <i>Zootaxa</i> , 2020 , 4743, zootaxa.4743.3.12	5.4	12

208	A new genus of labidurid earwigs in mid-Cretaceous amber from northern Myanmar (Dermaptera: Labiduridae). <i>Cretaceous Research</i> , 2020 , 111, 104447	1.8	1
207	Mouthpart homologies and life habits of Mesozoic long-proboscid scorpionflies. <i>Science Advances</i> , 2020 , 6, eaay1259	14.3	5
206	A new species of in mid-Cretaceous amber from northern Myanmar, with the discovery of the first male of Astreptolabidinae (Dermaptera). <i>ZooKeys</i> , 2020 , 911, 101-112	1.2	1
205	A primer of host-plant specialization in bees. <i>Emerging Topics in Life Sciences</i> , 2020 , 4, 7-17	3.5	14
204	Leaf-mimicking katydids from the Middle Miocene of Yunnan, southwestern China (Orthoptera: Tettigoniidae). <i>Palaontologische Zeitschrift</i> , 2020 , 94, 255-261	1.2	3
203	Colonizing the east and the west: distribution and niche properties of a dwarf Asian honey bee invading Africa, the Middle East, the Malay Peninsula, and Taiwan. <i>Apidologie</i> , 2020 , 51, 75-87	2.3	6
202	Inside the head of a cybertype \square three-dimensional reconstruction of the head muscles of <i>Ommatoiulus avatar</i> (Diplopoda: Juliformia: Julidae) reveals insights into the feeding movements of Juliformia. <i>Zoological Journal of the Linnean Society</i> , 2020 , 188, 954-975	2.4	2
201	A revised definition for copal and its significance for palaeontological and Anthropocene biodiversity-loss studies. <i>Scientific Reports</i> , 2020 , 10, 19904	4.9	11
200	Mimicry in Cretaceous Bugs. <i>IScience</i> , 2020 , 23, 101280	6.1	1
199	Ecomorphology of the pectoral girdle in anurans (Amphibia, Anura): Shape diversity and biomechanical considerations. <i>Ecology and Evolution</i> , 2020 , 10, 11467-11487	2.8	7
198	A new and diverse paleofauna of the extinct snakefly family Baissopteridae from the mid-Cretaceous of Myanmar (Raphidioptera). <i>Organisms Diversity and Evolution</i> , 2020 , 20, 565-595	1.7	3
197	The oldest short-tailed whipscorpion (Schizomida): A new genus and species from the Upper Cretaceous amber of northern Myanmar. <i>Cretaceous Research</i> , 2020 , 106, 104227	1.8	3
196	New species of web-spinners (Insecta: Embiodea) from mid-Cretaceous amber of northern Myanmar. <i>Cretaceous Research</i> , 2020 , 113, 104457	1.8	2
195	The mid-Cretaceous \square epiceratus Gen. nov. and the Evolution of the Relict Beetle Family Lepiceridae (Insecta: Coleoptera: Myxophaga). <i>Journal of Systematic Palaeontology</i> , 2020 , 18, 1127-1140 ²⁻³	2.3	4
194	Ecomorphological diversification of the Late Palaeozoic Palaeodictyoptera reveals different larval strategies and amphibious lifestyle in adults. <i>Royal Society Open Science</i> , 2019 , 6, 190460	3.3	4
193	Current and future ranges of an elusive North American insect using species distribution models. <i>Journal of Insect Conservation</i> , 2019 , 23, 175-186	2.1	5
192	Measurement error in \square T-based three-dimensional geometric morphometrics introduced by surface generation and landmark data acquisition. <i>Journal of Anatomy</i> , 2019 , 235, 357-378	2.9	7
191	Palaeodictyoptera. <i>Current Biology</i> , 2019 , 29, R306-R309	6.3	5

190	Jumping bristletails (Insecta, Archaeognatha) from the Lower Cretaceous amber of Lebanon. <i>Papers in Palaeontology</i> , 2019 , 5, 679-697	2.5	
189	Basal polyphagan beetles in mid-Cretaceous amber from Myanmar: biogeographic implications and long-term morphological stasis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20182173	4.4	21
188	Evolution of green lacewings (Neuroptera: Chrysopidae): an anchored phylogenomics approach. <i>Systematic Entomology</i> , 2019 , 44, 514-526	3.4	10
187	Layered double hydroxide based active corrosion protective sealing of plasma electrolytic oxidation/sol-gel composite coating on AA2024. <i>Applied Surface Science</i> , 2019 , 494, 829-840	6.7	31
186	Termite Evolution: A Primal Knock on Wood or a Hearty Mouthful of Dirt. <i>Current Biology</i> , 2019 , 29, R1126-R1129	6.5	39
185	Direct evidence for eudicot pollen-feeding in a Cretaceous stinging wasp (Angiospermae; Hymenoptera, Aculeata) preserved in Burmese amber. <i>Communications Biology</i> , 2019 , 2, 408	6.7	15
184	A new genus of Pelecotominae from Mexico, with notes on the genera and the description of new species (Coleoptera, Ripiphoridae). <i>ZooKeys</i> , 2019 , 857, 59-84	1.2	3
183	Morphometric analysis of fossil bumble bees (Hymenoptera, Apidae, Bombini) reveals their taxonomic affinities. <i>ZooKeys</i> , 2019 , 891, 71-118	1.2	8
182	Unique Metasomal Musculature in Sweat Bees (Hymenoptera: Apoidea: Halictidae) Revealed by Micro-CT Scanning. <i>American Museum Novitates</i> , 2019 , 2019, 1	1.1	2
181	Correlative 3D anatomy and spatial chemistry in animal-microbe symbioses: developing sample preparation for phase-contrast synchrotron radiation based micro-computed tomography and mass spectrometry imaging 2019 ,		3
180	A load frame for in situ tomography at PETRA III 2019 ,		3
179	A direct association between amber and dinosaur remains provides paleoecological insights. <i>Scientific Reports</i> , 2019 , 9, 17916	4.9	5
178	The hatching mechanism of 130-million-year-old insects: an association of neonates, egg shells and egg bursters in Lebanese amber. <i>Palaeontology</i> , 2019 , 62, 547-559	2.9	13
177	Evolution of green lacewings (Neuroptera: Chrysopidae): a molecular supermatrix approach. <i>Systematic Entomology</i> , 2019 , 44, 499-513	3.4	5
176	Pangusyndicus gen. nov.: a new mid-Cretaceous scydmaenine with reduced antennae and prothoracic gland (Coleoptera, Staphylinidae: Scydmaeninae). <i>Journal of Systematic Palaeontology</i> , 2019 , 17, 1129-1141	2.3	2
175	Olfactory associative behavioral differences in three honey bee L. races under the arid zone ecosystem of central Saudi Arabia. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 563-568	4	10
174	Evaluation of contrasting techniques for X-ray imaging of velvet worms (Onychophora). <i>Journal of Microscopy</i> , 2018 , 270, 343-358	1.9	11
173	Quantitative characterization of degradation processes in situ by means of a bioreactor coupled flow chamber under physiological conditions using time-lapse SRμCT. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018 , 69, 298-306	1.6	17

172	Liverwort Mimesis in a Cretaceous Lacewing Larva. <i>Current Biology</i> , 2018 , 28, 1475-1481.e1	6.3	35
171	Retraction of the dissolution front in natural porous media. <i>Scientific Reports</i> , 2018 , 8, 5693	4.9	6
170	Visualization of Implant Failure by Synchrotron Tomography. <i>Minerals, Metals and Materials Series</i> , 2018 , 275-284	0.3	4
169	Direct Observation of Coupled Geochemical and Geomechanical Impacts on Chalk Microstructure Evolution under Elevated CO ₂ Pressure. <i>ACS Earth and Space Chemistry</i> , 2018 , 2, 618-633	3.2	6
168	A remarkable diversity of parasitoid beetles (Ripiphoridae) in Cretaceous amber, with a summary of the Mesozoic record of Tenebrionoidea. <i>Cretaceous Research</i> , 2018 , 90, 296-310	1.8	18
167	Palaeozoic giant dragonflies were hawker predators. <i>Scientific Reports</i> , 2018 , 8, 12141	4.9	11
166	Beetle Pollination of Cycads in the Mesozoic. <i>Current Biology</i> , 2018 , 28, 2806-2812.e1	6.3	42
165	Diverse Cretaceous larvae reveal the evolutionary and behavioural history of antlions and lacewings. <i>Nature Communications</i> , 2018 , 9, 3257	17.4	37
164	Social Bees and the Current Status of Beekeeping in Indonesia 2018 , 287-306		7
163	Mating and aggregative behaviors among basal hexapods in the Early Cretaceous. <i>PLoS ONE</i> , 2018 , 13, e0191669	3.7	5
162	Arachnids in Bitterfeld amber: A unique fauna of fossils from the heart of Europe or simply old friends?. <i>Evolutionary Systematics</i> , 2018 , 2, 31-44	0.6	13
161	A new lineage of braconid wasps in Burmese Cenomanian amber (Hymenoptera, Braconidae). <i>ZooKeys</i> , 2018 , 75-86	1.2	8
160	Description of a Cretaceous amber fossil putatively of the tribe Coprophilini (Coleoptera, Staphylinidae, Oxytelinae). <i>ZooKeys</i> , 2018 , 81-94	1.2	1
159	Propagation-based phase-contrast tomography of a guinea pig inner ear with cochlear implant using a model-based iterative reconstruction algorithm. <i>Biomedical Optics Express</i> , 2018 , 9, 5330-5339	3.5	2
158	A simple setup for episcopic microtomy and a digital image processing workflow to acquire high-quality volume data and 3D surface models of small vertebrates. <i>Zoomorphology</i> , 2018 , 137, 213-228	1	15
157	Evolution of lacewings and allied orders using anchored phylogenomics (Neuroptera, Megaloptera, Raphidioptera). <i>Systematic Entomology</i> , 2018 , 43, 330-354	3.4	86
156	A primitive honey bee from the Middle Miocene deposits of southeastern Yunnan, China (Hymenoptera, Apidae). <i>ZooKeys</i> , 2018 , 117-129	1.2	4
155	A soil-carrying lacewing larva in Early Cretaceous Lebanese amber. <i>Scientific Reports</i> , 2018 , 8, 16663	4.9	20

154	Synchrotron X-ray imaging of a dichasium cupule of <i>Castanopsis</i> from Eocene Baltic amber. <i>American Journal of Botany</i> , 2018 , 105, 2025-2036	2.7	7
153	South American Leaf-Cutter Bees (Genus <i>Megachile</i>) of the Subgenera <i>Rhysosomegachile</i> and <i>Zonomegachile</i> , with Two New Subgenera (Hymenoptera: Megachilidae). <i>Bulletin of the American Museum of Natural History</i> , 2018 , 2018, 1	4	1
152	<i>Zorotypus dilaticeps</i> sp. nov., a remarkable zorapteran (Zoraptera) in mid-Cretaceous Burmese amber. <i>Cretaceous Research</i> , 2018 , 91, 126-130	1.8	7
151	Taxonomic description of bee pollen from the middle Eocene of Germany. <i>Grana</i> , 2017 , 56, 37-70	0.8	13
150	Long-term stasis in a diverse fauna of Early Cretaceous springtails (Collembola: Symphypleona). <i>Journal of Systematic Palaeontology</i> , 2017 , 15, 513-537	2.3	10
149	Diverse, primitive termites (Isoptera: Kalotermitidae, incertae sedis) from the early Miocene of New Zealand. <i>Austral Entomology</i> , 2017 , 56, 94-103	1.1	9
148	Paleozoic Nymphal Wing Pads Support Dual Model of Insect Wing Origins. <i>Current Biology</i> , 2017 , 27, 263-269	6.3	53
147	Early Evolution of Specialized Termitophily in Cretaceous Rove Beetles. <i>Current Biology</i> , 2017 , 27, 1229-1235	6.3	30
146	Phylogenetic Relationships of a New Genus of Calliopsine Bees from Peru, with a Review of <i>Spinoliella</i> Ashmead (Hymenoptera: Andrenidae). <i>Bulletin of the American Museum of Natural History</i> , 2017 , 412, 1-71	4	2
145	Charles D. Michener (1918-2015): a life among the bees. <i>Arthropod-Plant Interactions</i> , 2017 , 11, 243-247	2.2	
144	Antiquity of cleptoparasitism among bees revealed by morphometric and phylogenetic analysis of a Paleocene fossil nomadine (Hymenoptera: Apidae). <i>Systematic Entomology</i> , 2017 , 42, 543-554	3.4	11
143	A new genus of protorhyssaline wasps in Raritan amber (Hymenoptera, Braconidae). <i>ZooKeys</i> , 2017 , 103-111	1.1	8
142	Response to "Evidence from amber for the origins of termitophily". <i>Current Biology</i> , 2017 , 27, R794-R795	6.3	2
141	First fossil occurrence of the jewel damselflies (Odonata: Chlorocyphidae): a new species from the Late Miocene of Styria, Austria. <i>Annales De La Societe Entomologique De France</i> , 2017 , 53, 280-285	0.5	0
140	Marsupial brood care in Cretaceous tanaidaceans. <i>Scientific Reports</i> , 2017 , 7, 4390	4.9	3
139	Myoanatomy of the velvet worm leg revealed by laboratory-based nanofocus X-ray source tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12378-12383	11.5	41
138	Cephalic anatomy and three-dimensional reconstruction of the head of <i>Catops ventricosus</i> (Weise, 1877) (Coleoptera: Leiodidae: Cholevinae). <i>Organisms Diversity and Evolution</i> , 2017 , 17, 199-212	1.7	18
137	Reconstructing the anterior part of the nervous system of <i>Gordius aquaticus</i> (Nematomorpha, cycloneuralia) by a multimethodological approach. <i>Journal of Morphology</i> , 2017 , 278, 106-118	1.6	9

136	A new genus and species of pygidicranid earwigs from the Upper Cretaceous of southern Asia (Dermaptera: Pygidicranidae). <i>Cretaceous Research</i> , 2017 , 69, 178-183	1.8	9
135	Notes on Southeast Asian Stingless Bees of the Genus <i>Tetragonula</i> (Hymenoptera: Apidae), with the Description of a New Species from Thailand. <i>American Museum Novitates</i> , 2017 , 3886, 1-20	1.1	6
134	A New Genus of Eastern Hemisphere Stingless Bees (Hymenoptera: Apidae), with a Key to the Supraspecific Groups of Indomalayan and Australasian Meliponini. <i>American Museum Novitates</i> , 2017 , 3888, 1-33	1.1	19
133	Using SRuCT to define water transport capacity in <i>Picea abies</i> 2017 ,		2
132	An Early Miocene bumble bee from northern Bohemia (Hymenoptera, Apidae). <i>ZooKeys</i> , 2017 , 43-63	1.2	5
131	A new species of the carpenter bee genus from the Sarawat Mountains in southwestern Saudi Arabia (Hymenoptera, Apidae). <i>ZooKeys</i> , 2017 , 29-41	1.2	3
130	The NOVA project: maximizing beam time efficiency through synergistic analyses of SRuCT data 2017 ,		1
129	Biodegradable magnesium-based implants in bone studied by synchrotron radiation microtomography 2017 ,		3
128	New Carboniferous fossils of Spilapteridae enlighten postembryonic wing development in Palaeodictyoptera. <i>Systematic Entomology</i> , 2016 , 41, 178-190	3.4	10
127	A fossil biting midge (Diptera: Ceratopogonidae) from early Eocene Indian amber with a complex pheromone evaporator. <i>Scientific Reports</i> , 2016 , 6, 34352	4.9	9
126	Magnesium degradation observed in situ under flow by synchrotron radiation based microtomography 2016 ,		1
125	Debris-carrying camouflage among diverse lineages of Cretaceous insects. <i>Science Advances</i> , 2016 , 2, e1501918	14.3	65
124	The first araripeneurine antlion in Burmese amber (Neuroptera: Myrmeleontidae). <i>Cretaceous Research</i> , 2016 , 63, 1-6	1.8	12
123	The first twisted-wing parasitoid in Eocene amber from north-eastern China (Strepsiptera: Myrmecolacidae). <i>Journal of Natural History</i> , 2016 , 50, 1305-1313	0.5	6
122	The first Mesozoic microwhip scorpion (Palpigradi): a new genus and species in mid-Cretaceous amber from Myanmar. <i>Die Naturwissenschaften</i> , 2016 , 103, 19	2	17
121	Morphologically Specialized Termite Castes and Advanced Sociality in the Early Cretaceous. <i>Current Biology</i> , 2016 , 26, 522-30	6.3	53
120	Haplotype diversity and genetic similarity among populations of the Eastern honey bee from Himalaya-Southwest China and Nepal (Hymenoptera: Apidae). <i>Apidologie</i> , 2016 , 47, 197-205	2.3	9
119	A defensive behavior and plant-insect interaction in Early Cretaceous amber--The case of the immature lacewing <i>Hallucinochrysa diogenesi</i> . <i>Arthropod Structure and Development</i> , 2016 , 45, 133-139	1.8	23

118	Two new species of mid-Cretaceous webspinners in amber from northern Myanmar (Embiodea: Clothodidae, Oligotomidae). <i>Cretaceous Research</i> , 2016 , 58, 118-124	1.8	10
117	Ecological niche modeling of the rare bee <i>Promelitta alboclypeata</i> reveals possible cryptic differentiation across northern Africa and Arabia (Hymenoptera: Melittidae). <i>Apidologie</i> , 2016 , 47, 509-514	2.7	4
116	Distributional modeling of Mantophasmatodea (Insecta: Notoptera): a preliminary application and the need for future sampling. <i>Organisms Diversity and Evolution</i> , 2016 , 16, 259-268	1.7	3
115	Evaluation of the degradation behavior of resorbable metal implants for in vivo osteosynthesis by synchrotron radiation based x-ray tomography and histology 2016 ,		2
114	A new xyelotomid (Hymenoptera) from the Middle Jurassic of China displaying enigmatic venational asymmetry. <i>BMC Evolutionary Biology</i> , 2016 , 16, 155	3	4
113	Single-grating interferometer for high-resolution phase-contrast imaging at synchrotron radiation sources 2016 ,		4
112	First record of the bee genus <i>Melitta</i> from the Arabian Peninsula (Hymenoptera: Apoidea: Melittidae). <i>Zoology in the Middle East</i> , 2016 , 62, 352-357	0.7	2
111	New fossil insect order Permopsocida elucidates major radiation and evolution of suction feeding in hemimetabolous insects (Hexapoda: Acercaria). <i>Scientific Reports</i> , 2016 , 6, 23004	4.9	35
110	Fossil record of stem groups employed in evaluating the chronogram of insects (Arthropoda: Hexapoda). <i>Scientific Reports</i> , 2016 , 6, 38939	4.9	21
109	Micro-CT at the imaging beamline P05 at PETRA III 2016 ,		60
108	Extreme Morphogenesis and Ecological Specialization among Cretaceous Basal Ants. <i>Current Biology</i> , 2016 , 26, 1468-72	6.3	38
107	Early Morphological Specialization for Insect-Spider Associations in Mesozoic Lacewings. <i>Current Biology</i> , 2016 , 26, 1590-1594	6.3	28
106	Earliest Onychophoran in Amber Reveals Gondwanan Migration Patterns. <i>Current Biology</i> , 2016 , 26, 2594-2601	6.3	39
105	A review of the New Caledonian <i>Arpactophilus</i> (Hymenoptera: Crabronidae). <i>Zootaxa</i> , 2016 , 4063, 1-66	0.5	
104	First evidence of neurons in the male copulatory organ of a spider (Arachnida, Araneae). <i>Biology Letters</i> , 2015 , 11,	3.6	11
103	Capture of Prey, Feeding, and Functional Anatomy of the Jaws in Velvet Worms (Onychophora). <i>Integrative and Comparative Biology</i> , 2015 , 55, 217-27	2.8	19
102	Insect evolution. <i>Current Biology</i> , 2015 , 25, R868-72	6.3	47
101	Gains and losses of coral skeletal porosity changes with ocean acidification acclimation. <i>Nature Communications</i> , 2015 , 6, 7785	17.4	63

100	The fourth Mesozoic water measurer discovered in mid-Cretaceous Burmese amber (Heteroptera: Hydrometridae: Hydrometrinae). <i>Cretaceous Research</i> , 2015 , 52, 118-126	1.8	3
99	The first mastotermitid termite from Africa (Isoptera: Mastotermitidae): a new species of <i>Mastotermes</i> from the early Miocene of Ethiopia. <i>Journal of Paleontology</i> , 2015 , 89, 1038-1042	1.1	7
98	Specialized and Generalized Pollen-Collection Strategies in an Ancient Bee Lineage. <i>Current Biology</i> , 2015 , 25, 3092-8	6.3	28
97	Rediscovered parasitism of <i>Andrena savignyi</i> Spinola (Hymenoptera, Andrenidae) by <i>Stylops</i> (Strepsiptera, Stylopidae) and revised taxonomic status of the parasite. <i>ZooKeys</i> , 2015 , 117-39	1.2	3
96	Revision of the green lacewing subgenus <i>Ankylopteryx</i> (Sencera) (Neuroptera, Chrysopidae). <i>ZooKeys</i> , 2015 , 111-27	1.2	3
95	A new trap-jaw ant species of the genus <i>Odontomachus</i> (Hymenoptera: Formicidae: Ponerinae) from the Early Miocene (Burdigalian) of the Czech Republic. <i>Palaontologische Zeitschrift</i> , 2014 , 88, 495-502	1.2	6
94	The first Mesozoic Leptopodidae (Hemiptera: Heteroptera: Leptopodomorpha), from Canadian Late Cretaceous amber. <i>Historical Biology</i> , 2014 , 26, 702-709	1.1	5
93	A diverse paleobiota in early eocene Fushun amber from China. <i>Current Biology</i> , 2014 , 24, 1606-1610	6.3	37
92	Blood-feeding true bugs in the Early Cretaceous. <i>Current Biology</i> , 2014 , 24, 1786-92	6.3	38
91	Early origin of parental care in Mesozoic carrion beetles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14170-4	11.5	34
90	New bethylid and chrysidid wasps (Hymenoptera: Chrysidoidea) from Canadian Late Cretaceous amber. <i>Palaontologische Zeitschrift</i> , 2014 , 88, 433-451	1.2	14
89	A new flow-regulating cell type in the Demosponge <i>Tethya wilhelma</i> - functional cellular anatomy of a leuconoid canal system. <i>PLoS ONE</i> , 2014 , 9, e113153	3.7	16
88	Three new species of the bee genus <i>Ruizantheda</i> sensu lato (Hymenoptera: Halictidae: Caenohalictina). <i>Zootaxa</i> , 2014 , 3889, 58-70	0.5	2
87	An evolutionary history embedded in amber: reflection of the Mesozoic shift in weevil-dominated (Coleoptera: Curculionoidea) faunas. <i>Zoological Journal of the Linnean Society</i> , 2014 ,	2.4	1
86	Serendipity at the Smithsonian: The 107-year journey of <i>Rhipidocyrtus muiri</i> Falin & Engel, new genus and species (Ripidiinae, Ripidiini), from jungle beast to valid taxon. <i>ZooKeys</i> , 2014 , 101-16	1.2	5
85	Description of <i>Oculogryphus shuensis</i> sp. n. (Coleoptera, Lampyridae), the first species of the genus in the Sino-Japanese realm, with a modified key to the subfamily Otoretinae. <i>ZooKeys</i> , 2014 , 41-7	1.2	1
84	A new interpretation of the bee fossil <i>Melitta willardi</i> Cockerell (Hymenoptera, Melittidae) based on geometric morphometrics of the wing. <i>ZooKeys</i> , 2014 , 35-48	1.2	13
83	A new species of the cleptoparasitic bee genus <i>Thyreus</i> from northern Yemen and southwestern Saudi Arabia (Hymenoptera, Apidae). <i>ZooKeys</i> , 2014 , 29-40	1.2	1

82	Nesting Biology of the Leafcutting Bee <i>Megachile minutissima</i> (Hymenoptera: Megachilidae) in Central Saudi Arabia. <i>Annals of the Entomological Society of America</i> , 2014 , 107, 635-640	2	8
81	A new genus of nemomychid weevil from Burmese amber (Coleoptera, Curculionoidea). <i>ZooKeys</i> , 2014 , 127-38	1.2	12
80	The genus <i>Macroteleia</i> Westwood in Middle Miocene amber from Peru (Hymenoptera, Platygastridae s.l., Scelioninae). <i>ZooKeys</i> , 2014 , 119-27	1.2	6
79	P05 imaging beamline at PETRA III: first results 2014 ,		19
78	Wing shape of four new bee fossils (Hymenoptera: Anthophila) provides insights to bee evolution. <i>PLoS ONE</i> , 2014 , 9, e108865	3.7	18
77	Extreme adaptations for aquatic ectoparasitism in a Jurassic fly larva. <i>ELife</i> , 2014 , 3, e02844	8.9	17
76	Remarkable stasis in a phloeocharine rove beetle from the Late Cretaceous of New Jersey (Coleoptera, Staphylinidae). <i>Journal of Paleontology</i> , 2013 , 87, 177-182	1.1	30
75	Mesozoic giant fleas from northeastern China (Siphonaptera): Taxonomy and implications for palaeodiversity. <i>Science Bulletin</i> , 2013 , 58, 1682-1690		20
74	Obtaining a better taxonomic understanding of native bees: where do we start?. <i>Systematic Entomology</i> , 2013 , 38, 645-653	3.4	33
73	Greater past disparity and diversity hints at ancient migrations of European honey bee lineages into Africa and Asia. <i>Journal of Biogeography</i> , 2013 , 40, 1832-1838	4.1	22
72	A history of entomological classification. <i>Annual Review of Entomology</i> , 2013 , 58, 585-607	21.8	14
71	Deep metazoan phylogeny: when different genes tell different stories. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 67, 223-33	4.1	195
70	Mexican Stingless Bees (Hymenoptera: Apidae): Diversity, Distribution, and Indigenous Knowledge 2013 , 135-152		33
69	Weevils of the Yixian Formation, China (Coleoptera: Curculionoidea): phylogenetic considerations and comparison with other Mesozoic faunas. <i>Journal of Systematic Palaeontology</i> , 2013 , 11, 399-429	2.3	23
68	A new trap-jawed ant (Hymenoptera: Formicidae: Haidomyrmecini) from Canadian Late Cretaceous amber. <i>Canadian Entomologist</i> , 2013 , 145, 454-465	0.7	19
67	Lower Cretaceous origin of long-distance mate finding behaviour in Hymenoptera (Insecta). <i>Journal of Systematic Palaeontology</i> , 2013 , 11, 83-89	2.3	14
66	Garrouste et al. reply. <i>Nature</i> , 2013 , 494, E4-E5	50.4	10
65	Leehermania prorova, the Earliest Staphyliniform Beetle, from the Late Triassic of Virginia (Coleoptera: Staphylinidae). <i>American Museum Novitates</i> , 2012 , 3761, 1-28	1.1	40

64	Geometric morphometric analysis of a new Miocene bumble bee from the Randeck Maar of southwestern Germany (Hymenoptera: Apidae). <i>Systematic Entomology</i> , 2012 , 37, 784-792	3.4	24
63	New orchid and leaf-cutter bee gynandromorphs, with an updated review (Hymenoptera, Apoidea). <i>Zoosystematics and Evolution</i> , 2012 , 88, 205-214	1.5	13
62	The non-hierarchical, non-uniformly branching topology of a leuconoid sponge aquiferous system revealed by 3D reconstruction and morphometrics using corrosion casting and X-ray microtomography. <i>Acta Zoologica</i> , 2012 , 93, 160-170	0.8	11
61	Independent evolution of striated muscles in cnidarians and bilaterians. <i>Nature</i> , 2012 , 487, 231-4	50.4	172
60	The melectine bee genera <i>Brachymelecta</i> and <i>Sinomelecta</i> (Hymenoptera, Apidae). <i>ZooKeys</i> , 2012 , 1-19	1.2	4
59	An Exomalopsine Bee in Early Miocene Amber from the Dominican Republic (Hymenoptera: Apidae). <i>American Museum Novitates</i> , 2012 , 3758, 1-16	1.1	5
58	Webspinners in Early Eocene amber from western India (Insecta, Embiodea). <i>ZooKeys</i> , 2011 , 197-208	1.2	10
57	Scientific contributions of Alexandr P. Rasnitsyn, 1959 to present. <i>ZooKeys</i> , 2011 , 11-40	1.2	1
56	Systematic melittology: where to from here?. <i>Systematic Entomology</i> , 2011 , 36, 2-15	3.4	34
55	The serphitid wasps (Hymenoptera: Proctotrupo-morpha: Serphitoidea) of Canadian Cretaceous amber. <i>Systematic Entomology</i> , 2011 , 36, 192-208	3.4	10
54	RNA interference in marine and freshwater sponges: actin knockdown in <i>Tethya wilhelma</i> and <i>Ephydatia muelleri</i> by ingested dsRNA expressing bacteria. <i>BMC Biotechnology</i> , 2011 , 11, 67	3.5	42
53	First Mesozoic Microphysidae (Hemiptera): a new genus and species in Late Cretaceous amber from Canada. <i>Canadian Entomologist</i> , 2011 , 143, 349-357	0.7	3
52	The contractile sponge epithelium sensu lato--body contraction of the demosponge <i>Tethya wilhelma</i> is mediated by the pinacoderm. <i>Journal of Experimental Biology</i> , 2011 , 214, 1692-8	3	58
51	New earwigs in mid-Cretaceous amber from Myanmar (Dermaptera, Neodermaptera). <i>ZooKeys</i> , 2011 , 137-52	1.2	12
50	A new species of dialictus from sombrero island, anguilla (hymenoptera, halictidae). <i>ZooKeys</i> , 2011 , 61-8	1.2	6
49	Family-group names for termites (Isoptera), redux. <i>ZooKeys</i> , 2011 , 171-84	1.2	23
48	A new species of <i>Microsphecodes</i> from Jamaica (Hymenoptera, Halictidae). <i>ZooKeys</i> , 2011 , 33-40	1.2	6
47	Kumar Krishna, in appreciation. <i>ZooKeys</i> , 2011 , 1-13	1.2	

46	Alocanthesdon, a new subgenus of Chalicodoma from Southeast Asia (Hymenoptera, Megachilidae). <i>ZooKeys</i> , 2011 , 51-80	1.2	5
45	The termites of Early Eocene Cambay amber, with the earliest record of the Termitidae (Isoptera). <i>ZooKeys</i> , 2011 , 105-23	1.2	26
44	New data on Homocladus grandis, a Permian stem-mantodean (Polyneoptera: Dictyoptera). <i>Journal of Paleontology</i> , 2010 , 84, 746-753	1.1	3
43	A New Genus of Dustywings Allied to Archiconiocompsa in Baltic Amber (Neuroptera: Coniopterygidae). <i>Transactions of the Kansas Academy of Science</i> , 2010 , 113, 145	0.2	2
42	Antiquity and Evolution of Prosternal Horns in Baridine Weevils (Coleoptera: Curculionidae). <i>Journal of Paleontology</i> , 2010 , 84, 918-926	1.1	4
41	New data on Homocladus grandis, a Permian stem-mantodean (Polyneoptera: Dictyoptera). <i>Journal of Paleontology</i> , 2010 , 84, 746-753	1.1	12
40	A new genus of sphaeropsocid bark lice from the Early Cretaceous amber of Lebanon (Psocodea: Sphaeropsocidae). <i>Annales De La Societe Entomologique De France</i> , 2010 , 46, 103-107	0.5	6
39	Population structure and classification of Apis cerana. <i>Apidologie</i> , 2010 , 41, 589-601	2.3	82
38	Baltic amber Ibaliiidae (Hymenoptera: Cynipoidea): a new genus with implications for the phylogeny and historical biogeography of the family. <i>Systematic Entomology</i> , 2010 , 35, 164-171	3.4	5
37	Can higher-level phylogenies of weevils explain their evolutionary success? A critical review. <i>Systematic Entomology</i> , 2010 , 35, 597-606	3.4	25
36	Climate change and altitudinal variation in sexual size dimorphism of arctic wolf spiders. <i>Climate Research</i> , 2010 , 41, 259-265	1.6	19
35	Climate change and sexual size dimorphism in an Arctic spider. <i>Biology Letters</i> , 2009 , 5, 542-4	3.6	51
34	Eocene tortoise beetles from the Green River Formation in Colorado, U.S.A. (Coleoptera: Chrysomelidae: Cassidinae). <i>Systematic Entomology</i> , 2009 , 34, 202-209	3.4	11
33	A giant termite from the Late Miocene of Styria, Austria (Isoptera). <i>Die Naturwissenschaften</i> , 2009 , 96, 289-95	2	17
32	Sponge budding is a spatiotemporal morphological patterning process: Insights from synchrotron radiation-based x-ray microtomography into the asexual reproduction of Tethya wilhelma. <i>Frontiers in Zoology</i> , 2009 , 6, 19	2.8	19
31	Potential distribution of orchid bees outside their native range: The cases of Eulaema polychroma (Mocsf) and Euglossa viridissima Friese in the USA (Hymenoptera: Apidae). <i>Diversity and Distributions</i> , 2009 , 15, 421-428	5	16
30	High density resolution synchrotron radiation based x-ray microtomography (SR μ CT) for quantitative 3D-morphometrics in zoological sciences 2008 ,		4
29	Hennigian Phylogenetic Systematics and the Groundplan vs. Post-Groundplan Approaches: A Reply to Kukulov & Peck. <i>Evolutionary Biology</i> , 2008 , 35, 317-323	3	12

28	An adventitious distal abscissa in the forewing of honey bees (Hymenoptera: Apidae: Apis). <i>Apidologie</i> , 2008 , 39, 674-682	2.3	8
27	A new record of <i>Thaumastobombus andreniformis</i> Engel 2001 in Eocene amber (Hymenoptera: Apidae). <i>Annales De La Societe Entomologique De France</i> , 2007 , 43, 505-508	0.5	5
26	Phylogeny of the cleptoparasitic bee genus <i>Exaerete</i> (Hymenoptera: Apidae). <i>Apidologie</i> , 2007 , 38, 419-425	2.5	2
25	The first Mesozoic stephanid wasp (Hymenoptera: Stephanidae). <i>Journal of Paleontology</i> , 2004 , 78, 1192-1197	1.1	6
24	The first Mesozoic stephanid wasp (Hymenoptera: Stephanidae). <i>Journal of Paleontology</i> , 2004 , 78, 1192-1197	1.1	8
23	New light shed on the oldest insect. <i>Nature</i> , 2004 , 427, 627-30	50.4	215
22	The Dustyings in cretaceous Burmese amber (Insecta: Neuroptera: Coniopterygidae). <i>Journal of Systematic Palaeontology</i> , 2004 , 2, 133-136	2.3	10
21	Thorny lacewings (neuroptera: Rhachiberothidae) in cretaceous Amber from Myanmar. <i>Journal of Systematic Palaeontology</i> , 2004 , 2, 137-140	2.3	32
20	An Early Eocene bee (Hymenoptera: Halictidae) from Quilchena, British Columbia. <i>Canadian Entomologist</i> , 2003 , 135, 63-69	0.7	13
19	The Middle Eocene bee faunas of Eckfeld and Messel, Germany (Hymenoptera: Apoidea). <i>Journal of Paleontology</i> , 2003 , 77, 908-921	1.1	32
18	The Middle Eocene bee faunas of Eckfeld and Messel, Germany (Hymenoptera: Apoidea). <i>Journal of Paleontology</i> , 2003 , 77, 908-921	1.1	24
17	Fossiliferous Cretaceous Amber from Myanmar (Burma): Its Rediscovery, Biotic Diversity, and Paleontological Significance. <i>American Museum Novitates</i> , 2002 , 3361, 1-71	1.1	526
16	Conservation Implications of a Newly Discovered Bee Species on Isla Robinson Crusoe, Chile. <i>Conservation Biology</i> , 2001 , 15, 803-805	6	4
15	A MONOGRAPH OF THE BALTIC AMBER BEES AND EVOLUTION OF THE APOIDEA (HYMENOPTERA). <i>Bulletin of the American Museum of Natural History</i> , 2001 , 259, 1-192	4	244
14	A new augochlorine bee species in Tertiary amber from the Dominican Republic (Hymenoptera: Halictidae). <i>Apidologie</i> , 2000 , 31, 431-436	2.3	14
13	A review of the Indo-Malayan meliponine genus <i>Lisotrigona</i> , with two new species (Hymenoptera: Apidae). <i>Oriental Insects</i> , 2000 , 34, 229-237	0.3	13
12	A new xeromelissine bee in Tertiary amber of the Dominican Republic (Hymenoptera: Colletidae). <i>Insect Systematics and Evolution</i> , 1999 , 30, 453-458	0.6	16
11	Stingless bees (Hymenoptera: Apidae) in Holocene copal and Defaunation resin from Eastern Africa indicate Recent biodiversity change. <i>Holocene</i> , 095968362210740	2.6	1

10	A key to the genera and subgenera of stingless bees in Indonesia (Hymenoptera: Apidae)45, 65-84		8
9	High resolution and sensitivity bi-directional x-ray phase contrast imaging using 2D Talbot array illuminators. <i>Optica</i> ,	8.6	5
8	Coming together Symbiont acquisition and early development of Bathymodiolus mussels		1
7	Profiling cellular diversity in sponges informs animal cell type and nervous system evolution		22
6	The first fossils of the most basal pseudoscorpion family (Arachnida: Pseudoscorpiones: Pseudotyranochthoniidae): evidence for major biogeographical shifts in the European paleofauna. <i>Palaontologische Zeitschrift</i> ,1	1.2	2
5	In Situ Synchrotron Tomography of the Solidification of an Elektron 21 Mg Alloy. <i>Advanced Engineering Materials</i> ,2100383	3.5	0
4	Declining morphological diversity in snakefly larvae during last 100 million years. <i>Palaontologische Zeitschrift</i> ,1	1.2	1
3	Current and future distributions of a native Andean bumble bee. <i>Journal of Insect Conservation</i> ,1	2.1	
2	The first fossil tumbling flower beetle larva is a symphytan (Hymenoptera). <i>Acta Entomologica Musei Nationalis Pragae</i> ,57-59	0.4	
1	The first Sharephemeridae (Insecta: Ephemeroptera) from the Jurassic Shiti Formation of South China. <i>Historical Biology</i> ,1-5	1.1	