

Paul B Frandsen

List of Publications by Citations

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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.

40
papers

3,945
citations

14
h-index

55
g-index

55
ext. papers

5,730
ext. citations

7.2
avg, IF

5.49
L-index

#	Paper	IF	Citations
40	PartitionFinder 2: New Methods for Selecting Partitioned Models of Evolution for Molecular and Morphological Phylogenetic Analyses. <i>Molecular Biology and Evolution</i> , 2017 , 34, 772-773	8.3	1594
39	Phylogenomics resolves the timing and pattern of insect evolution. <i>Science</i> , 2014 , 346, 763-7	33.3	1489
38	Genomic architecture and introgression shape a butterfly radiation. <i>Science</i> , 2019 , 366, 594-599	33.3	161
37	Phylogenomics reveals the evolutionary timing and pattern of butterflies and moths. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22657-22663	11.5	117
36	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020 , 587, 252-257	50.4	89
35	Evolutionary history of Polyneoptera and its implications for our understanding of early winged insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3024-3029	11.5	82
34	Automatic selection of partitioning schemes for phylogenetic analyses using iterative k-means clustering of site rates. <i>BMC Evolutionary Biology</i> , 2015 , 15, 13	3	64
33	The Trichoptera barcode initiative: a strategy for generating a species-level Tree of Life. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	49
32	Diversity and Ecosystem Services of Trichoptera. <i>Insects</i> , 2019 , 10,	2.8	38
31	Applications of deep convolutional neural networks to digitized natural history collections. <i>Biodiversity Data Journal</i> , 2017 , e21139	1.8	29
30	The genome of an underwater architect, the caddisfly <i>Stenopsyche tienmushanensis</i> Hwang (Insecta: Trichoptera). <i>GigaScience</i> , 2018 , 7,	7.6	24
29	Long Reads Are Revolutionizing 20 Years of Insect Genome Sequencing. <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	19
28	A multigene phylogeny and timeline for Trichoptera (Insecta). <i>Systematic Entomology</i> , 2020 , 45, 670-686	3.4	16
27	Generating segmentation masks of herbarium specimens and a data set for training segmentation models using deep learning. <i>Applications in Plant Sciences</i> , 2020 , 8, e11352	2.3	15
26	Whole Genome Sequencing and Re-sequencing of the Sable Antelope (<i>Oryx capensis</i>): A Resource for Monitoring Diversity in and Populations. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 1785-1793	3.2	14
25	Representation and participation across 20 years of plant genome sequencing. <i>Nature Plants</i> , 2021 ,	11.5	14
24	Genomic and transcriptomic resources for assassin flies including the complete genome sequence of (Insecta: Diptera: Asilidae) and 16 representative transcriptomes. <i>PeerJ</i> , 2017 , 5, e2951	3.1	14

23	Gene reuse facilitates rapid radiation and independent adaptation to diverse habitats in the Asian honeybee. <i>Science Advances</i> , 2020 , 6,	14.3	14
22	Annotated Draft Genomes of Two Caddisfly Species <i>Plectrocnemia conspersa</i> CURTIS and <i>Hydropsyche tenuis</i> NAVAS (Insecta: Trichoptera). <i>Genome Biology and Evolution</i> , 2019 , 11, 3445-3451	3.9	12
21	Progress on the phylogeny of caddisflies (Trichoptera). <i>Zoosymposia</i> , 2016 , 10, 248-256	0.7	11
20	Aquatic Insects Are Dramatically Underrepresented in Genomic Research. <i>Insects</i> , 2020 , 11,	2.8	11
19	Advances using molecular data in insect systematics. <i>Current Opinion in Insect Science</i> , 2016 , 18, 40-47	5.1	8
18	Toward a genome sequence for every animal: Where are we now?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
17	Genomic architecture and introgression shape a butterfly radiation		7
16	Exploring the underwater silken architectures of caddisworms: comparative silkomics across two caddisfly suborders. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20190206	5.8	5
15	Phylogenomics changes our understanding about earwig evolution. <i>Systematic Entomology</i> , 2020 , 45, 516-526	3.4	5
14	Phylogeny and classification of Odonata using targeted genomics. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 160, 107115	4.1	5
13	Draft Genome Assemblies and Annotations of <i>Agrypnia vestita</i> Walker, and <i>Hesperophylax magnus</i> Banks Reveal Substantial Repetitive Element Expansion in Tube Case-Making Caddisflies (Insecta: Trichoptera). <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	4
12	Long-reads are revolutionizing 20 years of insect genome sequencing		4
11	Genome size evolution in the diverse insect order Trichoptera.. <i>GigaScience</i> , 2022 , 11,	7.6	4
10	Using DNA barcode data to add leaves to the Trichoptera tree of life. <i>Zoosymposia</i> , 2016 , 10, 193-199	0.7	3
9	Combining molecular datasets with strongly heterogeneous taxon coverage enlightens the peculiar biogeographic history of stoneflies (Insecta: Plecoptera). <i>Systematic Entomology</i> , 2021 , 46, 952-967	3.4	3
8	Deep learning as a tool for ecology and evolution. <i>Methods in Ecology and Evolution</i> ,	7.7	3
7	Fly family diversity shows evidence of livestock grazing pressure in Mongolia (Insecta: Diptera). <i>Journal of Insect Conservation</i> , 2018 , 22, 231-243	2.1	2
6	Lessons from 20 years of plant genome sequencing: an unprecedented resource in need of more diverse representation		2

5	De novo chromosome-length assembly of the mule deer (<i>Odocoileus hemionus</i>) genome. <i>GigaByte</i> , 2021, 1-13		1
4	Genome size evolution in the diverse insect order Trichoptera		1
3	Whole-Genome Sequencing of Procyonids Reveals Distinct Demographic Histories in Kinkajou (<i>Potos flavus</i>) and Northern Raccoon (<i>Procyon lotor</i>). <i>Genome Biology and Evolution</i> , 2021, 13,	3.9	1
2	Comparative transcriptomics of ice-crawlers demonstrates cold specialization constrains niche evolution in a relict lineage. <i>Evolutionary Applications</i> , 2021, 14, 360-382	4.8	1
1	A Preliminary Phylogeny of Rhyacophilidae with Reference to Fansipangana and the Monophyly of Rhyacophila. <i>Zoosymposia</i> , 2019, 14, 189-192	0.7	