

# Phillip Barden

## 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.

29  
papers

479  
citations

11  
h-index

21  
g-index

35  
ext. papers

680  
ext. citations

2.9  
avg, IF

4.57  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 29 | Division of labor increases with colony size in the harvester ant <i>Pogonomyrmex californicus</i> . <i>Behavioral Ecology</i> , <b>2011</b> , 22, 960-966   | 2.3 | 96        |
| 28 | Adaptive Radiation in Socially Advanced Stem-Group Ants from the Cretaceous. <i>Current Biology</i> , <b>2016</b> , 26, 515-21   | 6.3 | 70        |
| 27 | Morphologically Specialized Termite Castes and Advanced Sociality in the Early Cretaceous. <i>Current Biology</i> , <b>2016</b> , 26, 522-30   | 6.3 | 53        |
| 26 | Rediscovery of the Bizarre Cretaceous Ant <i>Haidomyrmex dluskyi</i> (Hymenoptera: Formicidae), with Two New Species. <i>American Museum Novitates</i> , <b>2012</b> , 3755, 1-16  | 1.1 | 34        |
| 25 | A new genus of highly specialized ants in Cretaceous Burmese amber (Hymenoptera: Formicidae). <i>Zootaxa</i> , <b>2013</b> , 3681, 405-12  | 0.5 | 26        |
| 24 | A diverse ant fauna from the mid-Cretaceous of Myanmar (Hymenoptera: Formicidae). <i>PLoS ONE</i> , <b>2014</b> , 9, e93627  | 3.7 | 22        |
| 23 | A new genus of hell ants from the Cretaceous (Hymenoptera: Formicidae: Haidomyrmecini) with a novel head structure. <i>Systematic Entomology</i> , <b>2017</b> , 42, 837-846   | 3.4 | 21        |
| 22 | Long-proboscid brachyceran flies in Cretaceous amber (Diptera: Stratiomyomorpha: Zhangsolvidae). <i>Systematic Entomology</i> , <b>2015</b> , 40, 242-267  | 3.4 | 19        |
| 21 | The taxonomic impediment: a shortage of taxonomists, not the lack of technical approaches. <i>Zoological Journal of the Linnean Society</i> , <b>2021</b> , 193, 381-387   | 2.4 | 16        |
| 20 | Specialized Predation Drives Aberrant Morphological Integration and Diversity in the Earliest Ants. <i>Current Biology</i> , <b>2020</b> , 30, 3818-3824.e4  | 6.3 | 15        |
| 19 | Multidimensional trait morphology predicts ecology across ant lineages. <i>Functional Ecology</i> , <b>2021</b> , 35, 139-152  | 5.6 | 11        |
| 18 | New remarkable hell ants (Formicidae: Haidomyrmecinae stat. nov.) from mid-Cretaceous amber of northern Myanmar. <i>Cretaceous Research</i> , <b>2020</b> , 109, 104381  | 1.8 | 10        |
| 17 | Relevant Relicts: The Impact of Fossil Distributions on Biogeographic Reconstruction. <i>Insect Systematics and Diversity</i> , <b>2017</b> , 1, 73-80   | 1.8 | 8         |
| 16 | The complete mitochondrial genome of the eusocial sponge-dwelling snapping shrimp <i>Synalpheus microneptunus</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 7744   | 4.9 | 8         |
| 15 | Incorporating fossils into hypotheses of insect phylogeny. <i>Current Opinion in Insect Science</i> , <b>2016</b> , 18, 69-76  | 5.1 | 8         |
| 14 | The Mesozoic Family Eremochaetidae (Diptera: Brachycera) in Burmese Amber and Relationships of Archisargoidea: Brachycera in Cretaceous Amber, Part VIII. <i>American Museum Novitates</i> , <b>2016</b> , 3865, 1-29 <sup>1.1</sup> | 1.1 | 8         |
| 13 | Fossil amber reveals springtails <i>Zlongstanding</i> dispersal by social insects. <i>BMC Evolutionary Biology</i> , <b>2019</b> , 19, 213   | 3   | 8         |

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|----|---|-----|---|
| 12 | Where Fossils Dare and Males Matter: combined morphological and molecular analysis untangles the evolutionary history of the spider ant genus <i>Leptomymex</i> Mayr (Hymenoptera : Dolichoderinae). <i>Invertebrate Systematics</i> , <b>2017</b> , 31, 765                      | 1.2 | 6 |
| 11 | Eusociality Shapes Convergent Patterns of Molecular Evolution across Mitochondrial Genomes of Snapping Shrimps. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 1372-1383  | 8.3 | 6 |
| 10 | Direct Optimization, Sensitivity Analysis, and the Evolution of the Hymenopteran Superfamilies. <i>American Museum Novitates</i> , <b>2013</b> , 3789, 1-20   | 1.1 | 5 |
| 9  | Giant ants and their shape: revealing relationships in the genus with geometric morphometrics. <i>PeerJ</i> , <b>2018</b> , 6, e4242  | 3.1 | 5 |
| 8  | Biological Inclusions in Amber from the Paleogene Chickaloon Formation of Alaska. <i>American Museum Novitates</i> , <b>2018</b> , 3908, 1-37   | 1.1 | 5 |
| 7  | Hybristodryinus moutesoe (Hymenoptera, Dryinidae), a new species from mid-Cretaceous Kachin (Burmese) amber. <i>Cretaceous Research</i> , <b>2020</b> , 114, 104528   | 1.8 | 3 |
| 6  | A tardigrade in Dominican amber. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20211760   | 1.7 | 3 |
| 5  | Vision-Linked Traits Associated With Antenna Size and Foraging Ecology Across Ants. <i>Insect Systematics and Diversity</i> , <b>2021</b> , 5,  | 1.8 | 3 |
| 4  | Comparative mitochondrial genomics of sponge-dwelling snapping shrimps in the genus <i>Synalpheus</i> : Exploring differences between eusocial and non-eusocial species and insights into phylogenetic relationships in caridean shrimps. <i>Gene</i> , <b>2021</b> , 786, 145624 | 3.8 | 1 |
| 3  | Non-destructive comparative evaluation of fossil amber using terahertz time-domain spectroscopy.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262983  | 3.7 | 1 |
| 2  | A Review of Ectoparasitic Fungi Associated With Termites. <i>Annals of the Entomological Society of America</i> , <b>2021</b> , 114, 373-396  | 2   | 0 |
| 1  | Extinction through Ancient Compound Eyes. <i>American Entomologist</i> , <b>2020</b> , 66, 64-64  | 0.6 |   |