# Philip M Novack-Gottshall

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 23 papers | 1,448 citations | 686830 13 h-index | 642321 23 g-index |
| 23 all docs | 23 docs citations | 23 times ranked | 1640 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of sampling standardization on estimates of Phanerozoic marine diversification. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6261-6266. | 3.3 | 440 |
| 2 | Two-phase increase in the maximum size of life over 3.5 billion years reflects biological innovation and environmental opportunity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 24-27. | 3.3 | 260 |
| 3 | The multidimensionality of the niche reveals functional diversity changes in benthic marine biotas across geological time. Ecology Letters, 2011, 14, 561-568. | 3.0 | 177 |
| 4 | The evolutionary consequences of oxygenic photosynthesis: a body size perspective. Photosynthesis Research, 2011, 107, 37-57. | 1.6 | 107 |
| 5 | Scale-dependence of Cope's rule in body size evolution of Paleozoic brachiopods. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5430-5434. | 3.3 | 66 |
| 6 | Using a theoretical ecospace to quantify the ecological diversity of Paleozoic and modern marine biotas. Paleobiology, 2007, 33, 273-294. | 1.3 | 65 |
| 7 | Body Size Evolution Across the Geozoic. Annual Review of Earth and Planetary Sciences, 2016, 44, 523-553. | 4.6 | 64 |
| 8 | Comparative geographic and environmental diversity dynamics of gastropods and bivalves during the Ordovician Radiation. Paleobiology, 2003, 29, 576-604. | 1.3 | 48 |
| 9 | Ecosystem-wide body-size trends in Cambrianâ€“Devonian marine invertebrate lineages. Paleobiology, 2008, 34, 210-228. | 1.3 | 42 |
| 10 | CRITICAL ISSUES OF SCALE IN PALEOECOLOGY. Palaios, 2009, 24, 1-4. | 0.6 | 39 |
| 11 | Using Simple Body-Size Metrics to Estimate Fossil Body Volume: Empirical Validation Using Diverse Paleozoic Invertebrates. Palaios, 2008, 23, 163-173. | 0.6 | 34 |
| 12 | Hierarchical complexity and the size limits of life. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171039. | 1.2 | 34 |
| 13 | Modelling the ecologicalâ€“functional diversification of marine Metazoa on geological time scales. Biology Letters, 2012, 8, 151-155. | 1.0 | 19 |
| 14 | General models of ecological diversification. I. Conceptual synthesis. Paleobiology, 2016, 42, 185-208. | 1.3 | 11 |
| 15 | General models of ecological diversification. II. Simulations and empirical applications. Paleobiology, 2016, 42, 209-239. | 1.3 | 11 |
| 16 | Morphological volatility precedes ecological innovation in early echinoderms. Nature Ecology and Evolution, 2022, 6, 263-272. | 3.4 | 10 |
| 17 | A Lack of Attribution: Closing the Citation Gap Through a Reform of Citation and Indexing Practices. Taxon, 2012, 61, 1349-1351. | 0.4 | 7 |
| 18 | THE GEOZOIC SUPEREON. Palaios, 2011, 26, 251-255. | 0.6 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Love, not war, drove the Mesozoic marine revolution. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14471-14473. | 3.3 | 4 |
| 20 | Morphometrics Indicates Giant Ordovician Macluritid Gastropods Switched Life Habit During Ontogeny. Journal of Paleontology, 2014, 88, 1050-1055. | 0.5 | 2 |
| 21 | Untangling scological complexity: The macroscopic perspective, by B.A. Maurer. Complexity, 2000, 6, 58-59. | 0.9 | 1 |
| 22 | Morphometrics indicates giant Ordovician macluritid gastropods switched life habit during ontogeny. Journal of Paleontology, 2014, 88, 1050-1055. | 0.5 | 1 |
| 23 | Correcting a 135-year error: Limulidae Leach, 1819 (Chelicerata, Xiphosura) is the proper authority, not Limulidae Zittel, 1885. Journal of Paleontology, 2021, 95, 886-887. | 0.5 | 1 |