

Geerat J Vermeij

List of Publications by Year in descending order

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136
papers

7,717
citations

87723

38
h-index

66788

78
g-index

140
all docs

140
docs citations

140
times ranked

5630
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mesozoic marine revolution: evidence from snails, predators and grazers. <i>Paleobiology</i> , 1977, 3, 245-258.	1.3	900
2	Formation of the Isthmus of Panama. <i>Science Advances</i> , 2016, 2, e1600883.	4.7	565
3	Anatomy of an invasion: the trans-Arctic interchange. <i>Paleobiology</i> , 1991, 17, 281-307.	1.3	357
4	Unsuccessful Predation and Evolution. <i>American Naturalist</i> , 1982, 120, 701-720.	1.0	338
5	Economics, volcanoes, and Phanerozoic revolutions. <i>Paleobiology</i> , 1995, 21, 125-152.	1.3	197
6	Historical biogeography of the Isthmus of Panama. <i>Biological Reviews</i> , 2014, 89, 148-172.	4.7	173
7	Interoceanic differences in vulnerability of shelled prey to crab predation. <i>Nature</i> , 1976, 260, 135-136.	13.7	150
8	Why are there so few evolutionary transitions between aquatic and terrestrial ecosystems?. <i>Biological Journal of the Linnean Society</i> , 2000, 70, 541-554.	0.7	143
9	Coevolution of Freshwater Gastropods and Their Predators. <i>American Naturalist</i> , 1978, 112, 833-843.	1.0	141
10	Historical contingency and the purported uniqueness of evolutionary innovations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1804-1809.	3.3	137
11	Phenotypic evolution in a poorly dispersing snail after arrival of a predator. <i>Nature</i> , 1982, 299, 349-350.	13.7	134
12	EVOLUTIONARY HISTORY OF NORTHERN HEMISPHERE <i>NUCELLA</i> (GASTROPODA, MURICIDAE): MOLECULAR, MORPHOLOGICAL, ECOLOGICAL, AND PALEONTOLOGICAL EVIDENCE. <i>Evolution; International Journal of Organic Evolution</i> , 1996, 50, 2287-2304.	1.1	132
13	Biodiversity in water and on land. <i>Current Biology</i> , 2012, 22, R900-R903.	1.8	124
14	The plankton and the benthos: origins and early history of an evolving relationship. <i>Paleobiology</i> , 1994, 20, 297-319.	1.3	112
15	Predation in time and space: peeling and drilling in terebrid gastropods. <i>Paleobiology</i> , 1980, 6, 352-364.	1.3	110
16	The Great Divergence: When Did Diversity on Land Exceed That in the Sea?. <i>Integrative and Comparative Biology</i> , 2010, 50, 675-682.	0.9	110
17	THE DISPERSAL BARRIER IN THE TROPICAL PACIFIC: IMPLICATIONS FOR MOLLUSCAN SPECIATION AND EXTINCTION. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 1046-1058.	1.1	106
18	Molecular phylogenies and historical biogeography of a circumtropical group of gastropods (Genus: <i>Trochus</i>) and Evolution, 2008, 48, 1067-1086.	1.2	102

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19	The Coming Arctic Invasion. <i>Science</i> , 2008, 321, 780-781.	6.0	96
20	The muricid gastropod subfamily Rapaninae: phylogeny and ecological history. <i>Paleobiology</i> , 2000, 26, 19-46.	1.3	95
21	Gigantism and Its Implications for the History of Life. <i>PLoS ONE</i> , 2016, 11, e0146092.	1.1	86
22	Predation in time and space: drilling in the gastropod <i>Turritella</i> . <i>Paleobiology</i> , 1978, 4, 436-441.	1.3	84
23	Evolution and distribution of left-handed and planispiral coiling in snails. <i>Nature</i> , 1975, 254, 419-420.	13.7	83
24	On Escalation. <i>Annual Review of Earth and Planetary Sciences</i> , 2013, 41, 1-19.	4.6	75
25	MARINE FAUNAL DOMINANCE AND MOLLUSCAN SHELL FORM. <i>Evolution; International Journal of Organic Evolution</i> , 1974, 28, 656-664.	1.1	69
26	Geographical restriction as a guide to the causes of extinction: the case of the cold northern oceans during the Neogene. <i>Paleobiology</i> , 1989, 15, 335-356.	1.3	68
27	Biogeography of Recently Extinct Marine Species: Implications for Conservation. <i>Conservation Biology</i> , 1993, 7, 391-397.	2.4	66
28	Delayed herbivory and the assembly of marine benthic ecosystems. <i>Paleobiology</i> , 2000, 26, 419-430.	1.3	65
29	Inequality and the Directionality of History. <i>American Naturalist</i> , 1999, 153, 243-253.	1.0	59
30	Escalation and its role in Jurassic biotic history. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 263, 3-8.	1.0	59
31	Innovation and evolution at the edge: origins and fates of gastropods with a labral tooth. <i>Biological Journal of the Linnean Society</i> , 2001, 72, 461-508.	0.7	56
32	ENVIRONMENTAL CHANGE AND THE EVOLUTIONARY HISTORY OF THE PERIWINKLE (<i>LITTORINA</i>)	1.1	54
33	The rise of ocean giants: maximum body size in Cenozoic marine mammals as an indicator for productivity in the Pacific and Atlantic Oceans. <i>Biology Letters</i> , 2016, 12, 20160186.	1.0	50
34	The Dispersal Barrier in the Tropical Pacific: Implications for Molluscan Speciation and Extinction. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 1046.	1.1	49
35	Gastropod Shell Growth Rate, Allometry, and Adult Size. <i>Topics in Geobiology</i> , 1980, , 379-394.	0.6	45
36	SHELL ARCHITECTURE AND CAUSES OF DEATH OF MICRONESIAN REEF SNAILS. <i>Evolution; International Journal of Organic Evolution</i> , 1979, 33, 686-696.	1.1	44

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37	Does global diversity mean anything?. <i>Paleobiology</i> , 2003, 29, 3-7.	1.3	43
38	The evolution of molluscan photosymbioses: a critical appraisal. <i>Biological Journal of the Linnean Society</i> , 2013, 109, 497-511.	0.7	43
39	Invasion and Extinction: The Last Three Million Years of North Sea Pelecypod History. <i>Conservation Biology</i> , 1989, 3, 274-281.	2.4	38
40	Molecular Phylogenetics and The Evolution of Labral Spines among Eastern Pacific Ocenebrine Gastropods. <i>Molecular Phylogenetics and Evolution</i> , 1999, 13, 275-288.	1.2	38
41	Evolution in the Consumer Age: Predators and the History of Life. <i>The Paleontological Society Papers</i> , 2002, 8, 375-394.	0.8	38
42	Global phylogeny and new classification of the Rapaninae (Gastropoda: Muricidae), dominant molluscan predators on tropical rocky seashores. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 91-102.	1.2	38
43	Characters in context: molluscan shells and the forces that mold them. <i>Paleobiology</i> , 2002, 28, 41-54.	1.3	36
44	The geographic, taxonomic and temporal distribution of determinate growth in marine gastropods. <i>Biological Journal of the Linnean Society</i> , 1992, 47, 233-247.	0.7	34
45	ONE SPECIES BECOMES TWO: THE CASE OF CHIONE CANCELLATA, THE RESURRECTED C. ELEVATA, AND A PHYLOGENETIC ANALYSIS OF CHIONE. <i>Journal of Molluscan Studies</i> , 2000, 66, 517-534.	0.4	34
46	Marine Faunal Dominance and Molluscan Shell Form. <i>Evolution; International Journal of Organic Evolution</i> , 1974, 28, 656.	1.1	33
47	The tropical history and future of the Mediterranean biota and the West African enigma. <i>Journal of Biogeography</i> , 2012, 39, 31-41.	1.4	32
48	Southern Caribbean Neogene palaeobiogeography revisited. New data from the Pliocene of Cubagua, Venezuela. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008, 257, 445-461.	1.0	31
49	The evolution of gigantism on temperate seashores. <i>Biological Journal of the Linnean Society</i> , 2012, 106, 776-793.	0.7	31
50	Environmental Change and the Evolutionary History of the Periwinkle (<i>Littorina littorea</i>) in North America. <i>Evolution; International Journal of Organic Evolution</i> , 1982, 36, 561.	1.1	29
51	The oyster enigma variations: a hypothesis of microbial calcification. <i>Paleobiology</i> , 2014, 40, 1-13.	1.3	29
52	Forbidden phenotypes and the limits of evolution. <i>Interface Focus</i> , 2015, 5, 20150028.	1.5	29
53	Reining in the Red Queen: the dynamics of adaptation and extinction reexamined. <i>Paleobiology</i> , 2013, 39, 560-575.	1.3	28
54	The Geography of Evolutionary Opportunity: Hypothesis and Two Cases in Gastropods. <i>Integrative and Comparative Biology</i> , 2002, 42, 935-940.	0.9	26

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55	The Energetics of Modernization: The Last One Hundred Million Years of Biotic Evolution. <i>Paleontological Research</i> , 2011, 15, 54-61.	0.5	26
56	Neogastropod molluscs from the Miocene of western Amazonia, with comments on marine to freshwater transitions in molluscs. <i>Journal of Paleontology</i> , 2002, 76, 265-270.	0.5	25
57	One-way traffic in the western Atlantic: causes and consequences of Miocene to early Pleistocene molluscan invasions in Florida and the Caribbean. <i>Paleobiology</i> , 2005, 31, 624.	1.3	25
58	Strait Answers from a Twisted Isthmus - Evolution and Environment in Tropical America. Edited by Jeremy B. C. Jackson, Ann F. Budd, and Anthony G. Coates University of Chicago Press, Chicago. 1996. 434 pages, \$75.00; paperback, \$27.50.. <i>Paleobiology</i> , 1997, 23, 263-269.	1.3	23
59	Predation and the geography of opercular thickness in turbinid gastropods. <i>Journal of Molluscan Studies</i> , 2007, 73, 67-73.	0.4	23
60	Plants that lead: do some surface features direct enemy traffic on leaves and stems?. <i>Biological Journal of the Linnean Society</i> , 2015, 116, 288-294.	0.7	23
61	Rarity and persistence. <i>Ecology Letters</i> , 2018, 21, 3-8.	3.0	23
62	Shifting sources of productivity in the coastal marine tropics during the Cenozoic era. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2362-2368.	1.2	22
63	Land to sea transitions in vertebrates: the dynamics of colonization. <i>Paleobiology</i> , 2018, 44, 237-250.	1.3	22
64	NEOGASTROPOD MOLLUSCS FROM THE MIOCENE OF WESTERN AMAZONIA, WITH COMMENTS ON MARINE TO FRESHWATER TRANSITIONS IN MOLLUSCS. <i>Journal of Paleontology</i> , 2002, 76, 265-270.	0.5	21
65	Crucibles of creativity: the geographic origins of tropical molluscan innovations. <i>Evolutionary Ecology</i> , 2012, 26, 357-373.	0.5	21
66	How the Land Became the Locus of Major Evolutionary Innovations. <i>Current Biology</i> , 2017, 27, 3178-3182.e1.	1.8	21
67	Time of Origin and Biogeographical History of Specialized Relationships between Northern Marine Plants and Herbivorous Molluscs. <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 657.	1.1	20
68	TIME OF ORIGIN AND BIOGEOGRAPHICAL HISTORY OF SPECIALIZED RELATIONSHIPS BETWEEN NORTHERN MARINE PLANTS AND HERBIVOROUS MOLLUSCS. <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 657-664.	1.1	19
69	THE TRANS-ATLANTIC HISTORY OF DIVERSITY AND BODY SIZE IN ECOLOGICAL GUILDS. <i>Ecology</i> , 2008, 89, S39-52.	1.5	19
70	Natural and human economies compared. <i>Ecosphere</i> , 2011, 2, art39.	1.0	19
71	The coastal North Pacific: Origins and history of a dominant marine biota. <i>Journal of Biogeography</i> , 2019, 46, 1-18.	1.4	19
72	One-way traffic in the western Atlantic: causes and consequences of Miocene to early Pleistocene molluscan invasions in Florida and the Caribbean. <i>Paleobiology</i> , 2005, 31, 624-642.	1.3	18

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73	The ecology of invasion: acquisition and loss of the siphonal canal in gastropods. <i>Paleobiology</i> , 2007, 33, 469-493.	1.3	18
74	Comparative economics: evolution and the modern economy. <i>Journal of Bioeconomics</i> , 2009, 11, 105-134.	1.5	18
75	Distribution, history, and taxonomy of the <i>Thais</i> clade (Gastropoda: Muricidae) in the Neogene of tropical America. <i>Journal of Paleontology</i> , 2001, 75, 697-705.	0.5	17
76	Shell features associated with the sand-burying habit in gastropods. <i>Journal of Molluscan Studies</i> , 2017, 83, 153-160.	0.4	16
77	Adaptive Versatility and Skeleton Construction. <i>American Naturalist</i> , 1970, 104, 253-260.	1.0	16
78	Southeast Asia as the birthplace of unusual traits: the Melongenidae (Gastropoda) of northwest Borneo. <i>Contributions To Zoology</i> , 2009, 78, 113-127.	0.2	15
79	Pacific elements in the Caribbean Neogene gastropod fauna: the source-sink model, larval development, disappearance, and faunal units. <i>Bulletin - Societe Geologique De France</i> , 2009, 180, 343-352.	0.9	15
80	Plant defences on land and in water: why are they so different?. <i>Annals of Botany</i> , 2016, 117, 1099-1109.	1.4	15
81	DISTRIBUTION, HISTORY, AND TAXONOMY OF THETHAISCLADE (GASTROPODA: MURICIDAE) IN THE NEOGENE OF TROPICAL AMERICA. <i>Journal of Paleontology</i> , 2001, 75, 697-705.	0.5	14
82	Majority rule: adaptation and the long-term dynamics of species. <i>Paleobiology</i> , 2006, 32, 173-178.	1.3	14
83	Molluscan marginalia: hidden morphological diversity at the bivalve shell edge. <i>Journal of Molluscan Studies</i> , 2013, 79, 283-295.	0.4	14
84	Why are there so few evolutionary transitions between aquatic and terrestrial ecosystems?. <i>Biological Journal of the Linnean Society</i> , 2000, 70, 541-554.	0.7	14
85	Asteroids and articulates: is there a causal link?. <i>Lethaia</i> , 1990, 23, 431-432.	0.6	12
86	The varix: evolution, distribution, and phylogenetic clumping of a repeated gastropod innovation. <i>Zoological Journal of the Linnean Society</i> , 2017, 180, 732-754.	1.0	12
87	Sabia on shells: A specialized Pacific-type commensalism in the Caribbean Neogene. <i>Journal of Paleontology</i> , 1998, 72, 465-472.	0.5	11
88	New genera of Cenozoic muricid gastropods, with comments on the mode of formation of the labral tooth. <i>Journal of Paleontology</i> , 1998, 72, 855-864.	0.5	11
89	THE LIMITS OF ADAPTATION: HUMANS AND THE PREDATOR-PREY ARMS RACE. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2007-2014.	1.1	11
90	Why do chitons curl into a ball?. <i>Biology Letters</i> , 2019, 15, 20190429.	1.0	11

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91	Taxonomy, distribution, and characters of Pre-Oligocene members of the Cantharus group of Pisaninae (Neogastropoda: Buccinoidea). <i>Journal of Paleontology</i> , 2001, 75, 295-309.	0.5	10
92	TAXONOMY, DISTRIBUTION, AND CHARACTERS OF PRE-OLIGOCENE MEMBERS OF THE CANTHARUS GROUP OF PISANIINAE (NEOGASTROPODA: BUCCINOIDEA). <i>Journal of Paleontology</i> , 2001, 75, 295-309.	0.5	10
93	Evolutionary adaptation and geographic spread of the Cenozoic buccinid genus <i>Lirabuccinum</i> in the North Pacific. <i>Journal of Paleontology</i> , 2003, 77, 863-872.	0.5	10
94	Sound reasons for silence: why do molluscs not communicate acoustically?. <i>Biological Journal of the Linnean Society</i> , 0, 100, 485-493.	0.7	10
95	Terrestrialization in gastropods: lineages, ecological constraints and comparisons with other animals. <i>Biological Journal of the Linnean Society</i> , 2022, 136, 393-404.	0.7	10
96	A serious matter with character-taxon matrices. <i>Paleobiology</i> , 1999, 25, 431-433.	1.3	9
97	EVOLUTIONARY ADAPTATION AND GEOGRAPHIC SPREAD OF THE CENOZOIC BUCCINID GENUS LIRABUCCINUM IN THE NORTH PACIFIC. <i>Journal of Paleontology</i> , 2003, 77, 863-872.	0.5	9
98	Paleophysiology: From Fossils to the Future. <i>Trends in Ecology and Evolution</i> , 2015, 30, 601-608.	4.2	8
99	Life in the arena: infaunal gastropods and the late Phanerozoic expansion of marine ecosystems into sand. <i>Palaeontology</i> , 2017, 60, 649-661.	1.0	8
100	Comparative biogeography: innovations and the rise to dominance of the North Pacific biota. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182027.	1.2	8
101	The ecology of marine colonization by terrestrial arthropods. <i>Arthropod Structure and Development</i> , 2020, 56, 100930.	0.8	8
102	The ecology of invasion: acquisition and loss of the siphonal canal in gastropods. <i>Paleobiology</i> , 2007, 33, 469-493.	1.3	8
103	Apertural form in gastropods. <i>Lethaia</i> , 1981, 14, 104-104.	0.6	7
104	Molluscan marginalia: serration at the lip edge in gastropods. <i>Journal of Molluscan Studies</i> , 2014, 80, 326-336.	0.4	7
105	The limpet form in gastropods: evolution, distribution, and implications for the comparative study of history. <i>Biological Journal of the Linnean Society</i> , 2016, .	0.7	7
106	Power, competition, and the nature of history. <i>Paleobiology</i> , 2019, 45, 517-530.	1.3	7
107	Overcoming the constraints of spiral growth: the case of shell remodelling. <i>Palaeontology</i> , 2020, 63, 1035-1047.	1.0	6
108	History's legacy: Why future progress in ecology demands a view of the past. <i>Ecology</i> , 2022, 103, .	1.5	6

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109	New taxa and new synonymy in Muricidae (Neogastropoda: Pagodulinae, Trophoninae, Ocenebrinae) from the Northeast Pacific. <i>Zoosymposia</i> , 2019, 13, 184-241.	0.3	5
110	How convergent are Lake Tanganyika's gastropods to marine ones? Comparative ecology and adaptive morphology. <i>Biological Journal of the Linnean Society</i> , 2019, 127, 508-517.	0.7	5
111	Getting Out of Arms' Way: Star Wars and Snails on the Seashore. <i>Biological Bulletin</i> , 2020, 239, 209-217.	0.7	5
112	Saving the Sea: What We Know and What We Need to Know. <i>Conservation Biology</i> , 1989, 3, 240-241.	2.4	4
113	The efficiency paradox: How wasteful competitors forge thrifty ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17619-17623.	3.3	4
114	Choice and the evolution of habitat specialization: the case of life on shells. <i>Marine Biology</i> , 2020, 167, 1.	0.7	4
115	Evolution in the Long Run - Arguments on Evolution: A Paleontologist's Perspective. Antoni Hoffman. Oxford University Press; New York. 1989. 274 pp. \$24.95.. <i>Paleobiology</i> , 1989, 15, 199-203.	1.3	3
116	Time and the comparative method. <i>Paleobiology</i> , 2001, 27, 179-180.	1.3	3
117	Evolution: Remodelling Hermit Shellters. <i>Current Biology</i> , 2012, 22, R882-R884.	1.8	3
118	First record of buccinid genus <i>Chauvetia</i> (Mollusca: Gastropoda) from the fossil record of the New World (Miocene, Venezuela) and its paleobiogeographic implications. <i>Journal of Paleontology</i> , 2015, 89, 487-493.	0.5	3
119	The sea as deathtrap: comment on a paper by miller and wiens. <i>Ecology Letters</i> , 2018, 21, 938-939.	3.0	3
120	MEXFUSUS ROTUNDICOSTATUS, A NEW GENUS AND SPECIES OF NEOGASTROPOD FROM THE LATE CRETACEOUS OF SOUTHERN MEXICO. <i>Journal of Paleontology</i> , 2004, 78, 1123-1127.	0.5	2
121	Barnacles, their molluscan hosts, and comparative ecology in the St. Mary's Formation (late Miocene) of Maryland, USA. <i>Journal of Paleontology</i> , 2018, 92, 183-188.	0.5	2
122	Bivalve growth and the invisible hand of heterogeneity. <i>Paleobiology</i> , 2020, 46, 272-274.	1.3	2
123	The balanced life: evolution of ventral shell weighting in gastropods. <i>Zoological Journal of the Linnean Society</i> , 2022, 194, 256-275.	1.0	2
124	Symposium on comparative biology and its bearing on Phanerozoic patterns of evolution: an introduction. <i>Paleobiology</i> , 1993, 19, 287-287.	1.3	1
125	Gould's intellectual ontogeny. <i>Journal of Biosciences</i> , 2002, 27, 451-452.	0.5	1
126	Are saltmarshes younger than mangrove swamps?. <i>Ecology and Evolution</i> , 2022, 12, e8481.	0.8	1

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127	Exploring pictures by hand. <i>Nature</i> , 1980, 285, 594-594.	13.7	0
128	Symposium on biotic interchange: an introduction. <i>Paleobiology</i> , 1991, 17, 201-201.	1.3	0
129	Economics and evolution. <i>The Paleontological Society Special Publications</i> , 1992, 6, 298-298.	0.0	0
130	Ecological Diversification: Innovation and Invasion as Inferred from Phylogeny in Snails. <i>The Paleontological Society Special Publications</i> , 1996, 8, 408-408.	0.0	0
131	<i>Mexfusus rotundicostatus</i> , a new genus and species of neogastropod from the Late Cretaceous of southern Mexico. <i>Journal of Paleontology</i> , 2004, 78, 1123-1127.	0.5	0
132	How Victoria's fishes were knocked from their perch. <i>Science</i> , 2015, 350, 1038-1038.	6.0	0
133	Geography, shell form and opercular thickness in living marine neritid gastropods. <i>Journal of Molluscan Studies</i> , 0, , .	0.4	0
134	Patterns of Change: Evolutionary Trends . Kenneth J. McNamara, Ed. University of Arizona Press, Tucson, AZ, 1990. xviii, 368 pp., illus. \$45; paper, \$24.95.. <i>Science</i> , 1991, 251, 1374-1375.	6.0	0
135	Patterns of Change: <i>Evolutionary Trends</i> . Kenneth J. McNamara, Ed. University of Arizona Press, Tucson, AZ, 1990. xviii, 368 pp., illus. \$45; paper, \$24.95.. <i>Science</i> , 1991, 251, 1374-1375.	6.0	0
136	Assigning Research Projects. <i>Science</i> , 1994, 266, 204-204.	6.0	0