

# James R Garey

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

6,605  
citations

218677

26  
h-index

182427

51  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5518  
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecular evolutionary framework for the phylum Nematoda. <i>Nature</i> , 1998, 392, 71-75.	27.8	1,697
2	Evidence for a clade of nematodes, arthropods and other moulting animals. <i>Nature</i> , 1997, 387, 489-493.	27.8	1,502
3	Evolution of the chordate body plan: New insights from phylogenetic analyses of deuterostome phyla. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4469-4474.	7.1	380
4	Ecdysozoan phylogeny and Bayesian inference: first use of nearly complete 28S and 18S rRNA gene sequences to classify the arthropods and their kin. <i>Molecular Phylogenetics and Evolution</i> , 2004, 31, 178-191.	2.7	315
5	Platyhelminth mitochondrial DNA: Evidence for early evolutionary origin of a tRNA <sup>ser</sup> AGN that contains a dihydrouridine arm replacement loop, and of serine-specifying AGA and AGC codons. <i>Journal of Molecular Evolution</i> , 1989, 28, 374-387.	1.8	246
6	Urochordates Are Monophyletic Within the Deuterostomes. <i>Systematic Biology</i> , 2000, 49, 52-64.	5.6	218
7	The position of the Arthropoda in the phylogenetic system. <i>Journal of Morphology</i> , 1998, 238, 263-285.	1.2	186
8	Global-scale patterns of assemblage structure of soil nematodes in relation to climate and ecosystem properties. <i>Global Ecology and Biogeography</i> , 2014, 23, 968-978.	5.8	171
9	Molecular study of worldwide distribution and diversity of soil animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17720-17725.	7.1	165
10	Molecular evidence for Acanthocephala as a subtaxon of Rotifera. <i>Journal of Molecular Evolution</i> , 1996, 43, 287-292.	1.8	163
11	The evolution of bacterial LuxI and LuxR quorum sensing regulators. <i>Microbiology (United Kingdom)</i> , 2001, 147, 2379-2387.	1.8	161
12	Large-Scale Taxonomic Profiling of Eukaryotic Model Organisms: A Comparison of Orthologous Proteins Encoded by the Human, Fly, Nematode, and Yeast Genomes. <i>Genome Research</i> , 1998, 8, 590-598.	5.5	156
13	Phylogenetic Relationships of the Acanthocephala Inferred from 18S Ribosomal DNA Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1998, 10, 287-298.	2.7	137
14	Comparative Evolutionary Genomics Unveils the Molecular Mechanism of Reassignment of the CTG Codon in <i>Candida</i> spp.. <i>Genome Research</i> , 2003, 13, 544-557.	5.5	111
15	Molecular Analysis Supports a Tardigrade-Arthropod Association. <i>Invertebrate Biology</i> , 1996, 115, 79.	0.9	110
16	The evolutionary relationships of rotifers and acanthocephalans. <i>Hydrobiologia</i> , 1998, 387/387, 83-91.	2.0	97
17	Ecdysozoa: The Relationship between Cycloneuralia and Panarthropoda. <i>Zoologischer Anzeiger</i> , 2001, 240, 321-330.	0.9	70
18	The Essential Role of "Minor" Phyla in Molecular Studies of Animal Evolution. <i>American Zoologist</i> , 1998, 38, 907-917.	0.7	59

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19	Systematic relationships of Nematomorpha based on molecular and morphological data. <i>Invertebrate Biology</i> , 2002, 121, 357-364.	0.9	52
20	Analysis of uroporphyrinogen decarboxylase complementary DNAs in sporadic porphyria cutanea tarda. <i>Gastroenterology</i> , 1993, 105, 165-169.	1.3	49
21	Molecular profiling of soil animal diversity in natural ecosystems: Incongruence of molecular and morphological results. <i>Soil Biology and Biochemistry</i> , 2009, 41, 849-857.	8.8	48
22	A Family Level Analysis of Tardigrade Phylogeny. <i>Hydrobiologia</i> , 2006, 558, 53-60.	2.0	45
23	Structure and function of hemoglobin from <i>Urechis caupo</i> . <i>Archives of Biochemistry and Biophysics</i> , 1984, 228, 320-331.	3.0	38
24	Exon-Intron Organization in Genes of Earthworm and Vertebrate Globins. <i>Science</i> , 1988, 240, 334-336.	12.6	38
25	Phylogeny, Biogeography, and Infrageneric Classification of <i>Harrisia</i> (Cactaceae). <i>Systematic Botany</i> , 2013, 38, 210-223.	0.5	36
26	A Comparative Genomics Analysis of Codon Reassignments Reveals a Link with Mitochondrial Proteome Size and a Mechanism of Genetic Code Change Via Suppressor tRNAs. <i>Journal of Molecular Evolution</i> , 2007, 64, 399-410.	1.8	32
27	Uroporphyrinogen decarboxylase in <i>Saccharomyces cerevisiae</i> . HEM12 gene sequence and evidence for two conserved glycines essential for enzymatic activity. <i>FEBS Journal</i> , 1992, 205, 1011-1016.	0.2	27
28	Microbial Function and Hydrochemistry within a Stratified Anchialine Sinkhole: A Window into Coastal Aquifer Interactions. <i>Water (Switzerland)</i> , 2018, 10, 972.	2.7	24
29	Comparison of an inactive submarine spring with an active nearshore anchialine spring in Florida. <i>Hydrobiologia</i> , 2011, 677, 65-87.	2.0	21
30	Karst estuaries are governed by interactions between inland hydrological conditions and sea level. <i>Journal of Hydrology</i> , 2015, 527, 718-733.	5.4	21
31	A natural laboratory to study arsenic geobiocomplexity. <i>Eos</i> , 2006, 87, 221.	0.1	20
32	Sequencing and analysis of the gastrula transcriptome of the brittle star <i>Ophiocoma wendtii</i> . <i>EvoDevo</i> , 2012, 3, 19.	3.2	19
33	The position of the Arthropoda in the phylogenetic system. <i>Journal of Morphology</i> , 1998, 238, 263-285.	1.2	19
34	The Florida amphioxus (Cephalochordata) hosts larvae of the tapeworm <i>Acanthobothrium brevis</i> : natural history, anatomy and taxonomic identification of the parasite. <i>Acta Zoologica</i> , 2009, 90, 75-86.	0.8	18
35	Changes in Benthic Macrofauna Associated with a Shallow-Water Hydrothermal Vent Gradient in Papua New Guinea. <i>Pacific Science</i> , 2010, 64, 391-404.	0.6	18
36	Global diversity of tardigrades (Tardigrada) in freshwater. <i>Hydrobiologia</i> , 2008, 595, 101-106.	2.0	16

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37	The transition of a freshwater karst aquifer to an anoxic marine system. <i>Estuaries and Coasts</i> , 2005, 28, 686-693.	1.7	14
38	Low-copy nuclear primers and <i>ycf1</i> primers in Cactaceae. <i>American Journal of Botany</i> , 2012, 99, e405-7.	1.7	14
39	Megraft: a software package to graft ribosomal small subunit (16S/18S) fragments onto full-length sequences for accurate species richness and sequencing depth analysis in pyrosequencing-length metagenomes and similar environmental datasets. <i>Research in Microbiology</i> , 2012, 163, 407-412.	2.1	12
40	Aquifer Discharge Drives Microbial Community Change in Karst Estuaries. <i>Estuaries and Coasts</i> , 2018, 41, 430-443.	2.2	12
41	The fate of urban springs: Pumping-induced seawater intrusion in a phreatic cave. <i>Journal of Hydrology</i> , 2018, 564, 230-245.	5.4	10
42	Surface runoff alters cave microbial community structure and function. <i>PLoS ONE</i> , 2020, 15, e0232742.	2.5	9
43	Relationships and dispersal of the Caribbean species of <i>Harrisia</i> (sect. <i>Harrisia</i> ; Cactaceae) using AFLPs and seven DNA regions. <i>Taxon</i> , 2013, 62, 486-497.	0.7	8
44	Molecular Evidence for Acanthocephala as a Subtaxon of Rotifera. <i>Journal of Molecular Evolution</i> , 1996, 43, 287-292.	1.8	8
45	The Lesser-Known Protostome Taxa: An Introduction and a Tribute to Robert P. Higgins. <i>Integrative and Comparative Biology</i> , 2002, 42, 611-618.	2.0	6
46	Molecular analyses of microbial abundance and diversity in the water column of anchialine caves in Mallorca, Spain. <i>International Journal of Speleology</i> , 2014, 43, 217-226.	1.0	6
47	Source of saline groundwater on tidally influenced blue holes on San Salvador Island, Bahamas. <i>Hydrogeology Journal</i> , 2021, 29, 429-441.	2.1	6
48	Relationship between aquifer biofilms and unattached microbial indicators of urban groundwater contamination. <i>Molecular Ecology</i> , 2021, 30, 324-342.	3.9	6
49	The Biology of Tardigrades: An Introduction to the 9th International Symposium on Tardigrada*. <i>Hydrobiologia</i> , 2006, 558, 1-3.	2.0	4
50	Expansion of the genus <i>Imleria</i> in North America to include <i>Imleria floridana</i> , sp. nov., and <i>Imleria pallida</i> , comb. nov.. <i>Mycologia</i> , 2020, 112, 423-437.	1.9	2
51	Changes in Eukaryotic and Bacterial Communities along a 120 m Transect Associated with a Shallow Marine Hydrothermal Vent. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	1
52	Global diversity of tardigrades (Tardigrada) in freshwater. , 2007, , 101-106.		1
53	MICROBIAL TEMPORAL DYNAMICS OF A NOVEL GYPSUM KARST SULFIDIC SPRING. , 2017, , .		1
54	Review paper: The evolutionary relationships of rotifers and acanthocephalans. , 1998, , 83-91.		0