

Stephen C Barker

List of Publications by Year in descending order

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76
papers

5,076
citations

109321

35
h-index

91884

69
g-index

77
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77
docs citations

77
times ranked

4218
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of mitochondrial genomes from raw sequencing data provides insights on the phylogeny of Ixodes ticks and cautions for species misidentification. <i>Ticks and Tick-borne Diseases</i> , 2022, 13, 101832.	2.7	4
2	Description of the female, nymph and larva and mitochondrial genome, and redescription of the male of <i>Ixodes barkeri</i> Barker, 2019 (Acari: Ixodidae), from the short-beaked echidna, <i>Tachyglossus aculeatus</i> , with a consideration of the most suitable subgenus for this tick. <i>Parasites and Vectors</i> , 2022, 15, 117.	2.5	4
3	Rediscovery of <i>Ixodes confusus</i> in Australia with the first description of the male from Australia, a redescription of the female and the mitochondrial (mt) genomes of five species of Ixodes. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2022, 18, 1-11.	1.5	2
4	International recommendations for an effective control of head louse infestations. <i>International Journal of Dermatology</i> , 2021, 60, 272-280.	1.0	25
5	Phylogenies from mitochondrial genomes of 120 species of ticks: Insights into the evolution of the families of ticks and of the genus <i>Amblyomma</i> . <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101577.	2.7	38
6	<i>Dermacentor kamshadalu</i> (Acari: Ixodidae), a Tick of Mountain Goats and Sheep in Western United States, Canada, and Russia, Is a Valid Species. <i>Journal of Medical Entomology</i> , 2021, 58, 499-501.	1.8	1
7	Climatic requirements of the eastern paralysis tick, <i>Ixodes holocyclus</i> , with a consideration of its possible geographic range up to 2090. <i>International Journal for Parasitology</i> , 2021, 51, 241-249.	3.1	13
8	Nuclear (18S-28S rRNA) and mitochondrial genome markers of <i>Carios (Carios) vespertilionis</i> (Argasidae) support <i>Carios Latreille, 1796</i> as a lineage embedded in the <i>Ornithodorinae</i> : re-classification of the <i>Carios sensu Klompen and Oliver (1993)</i> clade into its respective subgenera. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101688.	2.7	37
9	Climatic requirements of the southern paralysis tick, <i>Ixodes cornuatus</i> , with a consideration of its host, <i>Vombatus ursinus</i> , and the possible geographic range of the tick up to 2090. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101758.	2.7	5
10	Precise annotation of human, chimpanzee, rhesus macaque and mouse mitochondrial genomes leads to insight into mitochondrial transcription in mammals. <i>RNA Biology</i> , 2020, 17, 395-402.	3.1	5
11	Precise annotation of tick mitochondrial genomes reveals multiple copy number variation of short tandem repeats and one transposon-like element. <i>BMC Genomics</i> , 2020, 21, 488.	2.8	18
12	Full-length genome sequence of segmented RNA virus from ticks was obtained using small RNA sequencing data. <i>BMC Genomics</i> , 2020, 21, 641.	2.8	12
13	A transcriptome-based phylogenetic study of hard ticks (Ixodidae). <i>Scientific Reports</i> , 2019, 9, 12923.	3.3	30
14	Two new genera of hard ticks, <i>Robertsicus</i> n. gen. and <i>Archaeocroton</i> n. gen., and the solution to the mystery of <i>Hoogstraal</i> 's and <i>Kaufman</i> 's "primitive" tick from the Carpathian Mountains. <i>Zootaxa</i> , 2018, 4500, 543-552.	0.5	32
15	Discovery of a novel iflavirus sequence in the eastern paralysis tick <i>Ixodes holocyclus</i> . <i>Archives of Virology</i> , 2018, 163, 2451-2457.	2.1	24
16	Ticks in Australia: endemics; exotics; which ticks bite humans?. <i>Microbiology Australia</i> , 2018, 39, 194.	0.4	5
17	<i>Rickettsia fournieri</i> sp. nov., a novel spotted fever group rickettsia from <i>Argas lagenoplastis</i> ticks in Australia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3781-3784.	1.7	14
18	The Mitochondrial Genome of the Guanaco Louse, <i>Microthoracius praelongiceps</i> : Insights into the Ancestral Mitochondrial Karyotype of Sucking Lice (Anoplura, Insecta). <i>Genome Biology and Evolution</i> , 2017, 9, 431-445.	2.5	27

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19	Ovicidal Efficacy of Abametapir Against Eggs of Human Head and Body Lice (Anoplura: Pediculidae). <i>Journal of Medical Entomology</i> , 2017, 54, 167-172.	1.8	13
20	Host switching of human lice to new world monkeys in South America. <i>Infection, Genetics and Evolution</i> , 2016, 39, 225-231.	2.3	13
21	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , 2016, 7, 10507.	12.8	450
22	Fragmented mitochondrial genomes in two suborders of parasitic lice of eutherian mammals (Anoplura and Rhynchophthirina, Insecta). <i>Scientific Reports</i> , 2015, 5, 17389.	3.3	37
23	The mitochondrial genome of the chimpanzee louse, <i>Pediculus schaeffi</i> : insights into the process of mitochondrial genome fragmentation in the blood-sucking lice of great apes. <i>BMC Genomics</i> , 2015, 16, 661.	2.8	32
24	<p>Ticks of Australia. The species that infest domestic animals and humans</p>. <i>Zootaxa</i> , 2014, 3816, 1.	0.5	233
25	A list of the 70 species of Australian ticks; diagnostic guides to and species accounts of <i>Ixodes holocyclus</i> (paralysis tick), <i>Ixodes cornuatus</i> (southern paralysis tick) and <i>Rhipicephalus australis</i> (Australian cattle tick); and consideration of the place of Australia in the evolution of ticks with comments on four controversial ideas. <i>International Journal for Parasitology</i> . 2014. 44, 941-953.	3.1	71
26	Phylogenetic analysis of mitochondrial genome sequences indicates that the cattle tick, <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> , contains a cryptic species. <i>Molecular Phylogenetics and Evolution</i> , 2014, 76, 241-253.	2.7	180
27	Molecular phylogeny of soft ticks (Ixodida: Argasidae) inferred from mitochondrial genome and nuclear rRNA sequences. <i>Ticks and Tick-borne Diseases</i> , 2014, 5, 195-207.	2.7	95
28	Fragmented mitochondrial genomes are present in both major clades of the blood-sucking lice (suborder Anoplura): evidence from two <i>Hoplopleura</i> rodent lice (family Hoplopleuridae). <i>BMC Genomics</i> , 2014, 15, 751.	2.8	27
29	Variation in mitochondrial minichromosome composition between blood-sucking lice of the genus <i>Haematopinus</i> that infest horses and pigs. <i>Parasites and Vectors</i> , 2014, 7, 144.	2.5	26
30	Phylogenetic analysis of the mitochondrial genomes and nuclear rRNA genes of ticks reveals a deep phylogenetic structure within the genus <i>Haemaphysalis</i> and further elucidates the polyphyly of the genus <i>Amblyomma</i> with respect to <i>Amblyomma sphegodonti</i> and <i>Amblyomma elaphense</i> . <i>Ticks and Tick-borne Diseases</i> , 2013, 4, 265-274.	2.7	85
31	Substantial Variation in the Extent of Mitochondrial Genome Fragmentation among Blood-Sucking Lice of Mammals. <i>Genome Biology and Evolution</i> , 2013, 5, 1298-1308.	2.5	42
32	Heteroplasmy in the Mitochondrial Genomes of Human Lice and Ticks Revealed by High Throughput Sequencing. <i>PLoS ONE</i> , 2013, 8, e73329.	2.5	32
33	Evolution of Extensively Fragmented Mitochondrial Genomes in the Lice of Humans. <i>Genome Biology and Evolution</i> , 2012, 4, 1088-1101.	2.5	86
34	Phylogenetic analysis of ticks (Acari: Ixodida) using mitochondrial genomes and nuclear rRNA genes indicates that the genus <i>Amblyomma</i> is polyphyletic. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 45-55.	2.7	91
35	International guidelines for clinical trials with pediculicides. <i>International Journal of Dermatology</i> , 2012, 51, 853-858.	1.0	28
36	The Multipartite Mitochondrial Genome of <i>Liposcelis bostrychophila</i> : Insights into the Evolution of Mitochondrial Genomes in Bilateral Animals. <i>PLoS ONE</i> , 2012, 7, e33973.	2.5	64

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37	Chimeric mitochondrial minichromosomes of the human body louse, <i>Pediculus humanus</i> : Evidence for homologous and non-homologous recombination. <i>Gene</i> , 2011, 473, 36-43.	2.2	25
38	An ex vivo, assessor blind, randomised, parallel group, comparative efficacy trial of the ovicidal activity of three pediculicides after a single application - melaleuca oil and lavender oil, eucalyptus oil and lemon tea tree oil, and a "suffocation" pediculicide. <i>BMC Dermatology</i> , 2011, 11, 14.	2.1	30
39	A randomised, assessor blind, parallel group comparative efficacy trial of three products for the treatment of head lice in children - melaleuca oil and lavender oil, pyrethrins and piperonyl butoxide, and a "suffocation" product. <i>BMC Dermatology</i> , 2010, 10, 6.	2.1	46
40	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12168-12173.	7.1	482
41	The single mitochondrial chromosome typical of animals has evolved into 18 minichromosomes in the human body louse, <i>Pediculus humanus</i> . <i>Genome Research</i> , 2009, 19, 904-912.	5.5	155
42	Distribution and phylogenetic analyses of an endangered tick, <i>Amblyomma sphenodonti</i> . <i>New Zealand Journal of Zoology</i> , 2007, 34, 97-105.	1.1	26
43	A mitochondrial genome phylogeny of Diptera: whole genome sequence data accurately resolve relationships over broad timescales with high precision. <i>Systematic Entomology</i> , 2007, 32, 40-59.	3.9	231
44	Identification of small juvenile scombrids from northwest tropical Australia using mitochondrial DNA cytochrome b sequences. <i>Ichthyological Research</i> , 2007, 54, 246-252.	0.8	15
45	Sequencing a New Target Genome: The <i>Boophilus microplus</i> (Acari: Ixodidae) Genome Project. <i>Journal of Medical Entomology</i> , 2006, 43, 9-16.	1.8	54
46	Mitochondrial genomics and the new insect order Mantophasmatodea. <i>Molecular Phylogenetics and Evolution</i> , 2006, 38, 274-279.	2.7	138
47	Molecular Mechanisms for the Variation of Mitochondrial Gene Content and Gene Arrangement Among Chigger Mites of the Genus <i>Leptotrombidium</i> (Acari: Acariformes). <i>Journal of Molecular Evolution</i> , 2006, 63, 251-261.	1.8	65
48	Sequencing a New Target Genome: The <i>Boophilus microplus</i> (Acari: Ixodidae) Genome Project. <i>Journal of Medical Entomology</i> , 2006, 43, 9-16.	1.8	74
49	Evolution of Duplicate Control Regions in the Mitochondrial Genomes of Metazoa: A Case Study with Australasian Ixodes Ticks. <i>Molecular Biology and Evolution</i> , 2005, 22, 620-629.	8.9	129
50	Novel Mitochondrial Gene Content and Gene Arrangement Indicate Illegitimate Inter-mtDNA Recombination in the Chigger Mite, <i>Leptotrombidium pallidum</i> . <i>Journal of Molecular Evolution</i> , 2005, 60, 764-773.	1.8	72
51	Relationships among the three major lineages of the Acari (Arthropoda:Arachnida) inferred from small subunit rRNA: paraphyly of the Parasitiformes with respect to the Opilioacariformes and relative rates of nucleotide substitution. <i>Invertebrate Systematics</i> , 2005, 19, 383.	1.3	36
52	Mitochondrial genome data alone are not enough to unambiguously resolve the relationships of Entognatha, Insecta and Crustacea sensu lato (Arthropoda). <i>Cladistics</i> , 2004, 20, 534-557.	3.3	122
53	Synonymy of <i>Boophilus</i> Curtice, 1891 with <i>Rhipicephalus</i> Koch, 1844 (Acari: Ixodidae). <i>Systematic Parasitology</i> , 2003, 56, 169-172.	1.1	96
54	Phylogeny of the lice (Insecta, Phthiraptera) inferred from small subunit rRNA. <i>Zoologica Scripta</i> , 2003, 32, 407-414.	1.7	52

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55	Phylogeny, evolution and historical zoogeography of ticks: a review of recent progress. , 2003, , 55-68.		2
56	The Highly Rearranged Mitochondrial Genome of the Plague Thrips, <i>Thrips imaginis</i> (Insecta: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 1 rRNA Genes. <i>Molecular Biology and Evolution</i> , 2003, 20, 362-370.	8.9	186
57	Rates of Gene Rearrangement and Nucleotide Substitution Are Correlated in the Mitochondrial Genomes of Insects. <i>Molecular Biology and Evolution</i> , 2003, 20, 1612-1619.	8.9	145
58	The Value of Idiosyncratic Markers and Changes to Conserved tRNA Sequences from the Mitochondrial Genome of Hard Ticks (Acari: Ixodida: Ixodidae) for Phylogenetic Inference. <i>Systematic Biology</i> , 2003, 52, 296-310.	5.6	26
59	A new subfamily, <i>Bothriocrotoninae</i> n. subfam., for the genus <i>Bothriocroton</i> Keirans, King & Sharrad, 1994 status amend. (Ixodida: Ixodidae), and the synonymy of <i>Aponomma</i> Neumann, 1899 with <i>Amblyomma</i> Koch, 1844. <i>Systematic Parasitology</i> , 2002, 53, 101-107.	1.1	64
60	Phylogeny, Evolution and Historical Zoogeography of Ticks: A Review of Recent Progress. <i>Experimental and Applied Acarology</i> , 2002, 28, 55-68.	1.6	53
61	Numerous Gene Rearrangements in the Mitochondrial Genome of the Wallaby Louse, <i>Heterodoxus macropus</i> (Phthiraptera). <i>Molecular Biology and Evolution</i> , 2001, 18, 858-865.	8.9	167
62	Increased Rate of Gene Rearrangement in the Mitochondrial Genomes of Three Orders of Hemipteroid Insects. <i>Molecular Biology and Evolution</i> , 2001, 18, 1828-1832.	8.9	98
63	Large mitochondrial repeats multiplied during the polymerase chain reaction. <i>Molecular Ecology Notes</i> , 2001, 1, 336-340.	1.7	12
64	A Total-Evidence Phylogeny of Ticks Provides Insights into the Evolution of Life Cycles and Biogeography. <i>Molecular Phylogenetics and Evolution</i> , 2001, 21, 244-258.	2.7	95
65	Phylogenetic Analyses of the Rhipicephaline Ticks Indicate That the Genus <i>Rhipicephalus</i> Is Paraphyletic. <i>Molecular Phylogenetics and Evolution</i> , 2000, 16, 1-7.	2.7	79
66	Microsatellite loci of the cattle tick <i>Boophilus microplus</i> (Acari: Ixodidae). <i>Experimental and Applied Acarology</i> , 2000, 24, 951-956.	1.6	20
67	V4 region of small subunit rDNA indicates polyphyly of the Fellodistomidae (Digenea) which is supported by morphology and life-cycle data. <i>Systematic Parasitology</i> , 1999, 43, 81-92.	1.1	57
68	LETTER TO THE EDITOR. <i>Molecular Phylogenetics and Evolution</i> , 1999, 12, 83-86.	2.7	33
69	Phylogeny of the Hard Ticks (Ixodidae) Inferred from 18S rRNA Indicates That the Genus <i>Aponommals</i> Paraphyletic. <i>Molecular Phylogenetics and Evolution</i> , 1999, 11, 288-295.	2.7	97
70	Distinguishing Species and Populations of Rhipicephaline Ticks with ITS 2 Ribosomal RNA. <i>Journal of Parasitology</i> , 1998, 84, 887.	0.7	61
71	Postlepidapedon <i>Zdzitowiecki</i> , 1993 and <i>Gibsonivermis</i> n. g. (Digenea: Lepocreadiidae) from fishes of the southern Great Barrier Reef, Australia, and their relationship to <i>Intusatrium</i> Durio & Manter, 1968. <i>Systematic Parasitology</i> , 1997, 36, 143-155.	1.1	4
72	Four species of <i>Lepidapedoides</i> Yamaguti, 1970 (Digenea: Lepocreadiidae) from fishes of the southern Great Barrier Reef, with a tabulation of host-parasite data on the group. <i>Systematic Parasitology</i> , 1996, 34, 179-195.	1.1	12

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73	Phylogeny and classification, origins, and evolution of host associations of lice. <i>International Journal for Parasitology</i> , 1994, 24, 1285-1291.	3.1	68
74	<i>Preptetos cannoni</i> n. sp. (Digenea: Lepocreadiidae) from <i>Siganus lineatus</i> (Teleostei: Siganidae) from the southern Great Barrier Reef, Australia. <i>Systematic Parasitology</i> , 1993, 26, 151-155.	1.1	5
75	The Lepocreadiidae (Digenea) of pomacentrid fishes (Perciformes) from Heron Island, Queensland, Australia. <i>Systematic Parasitology</i> , 1993, 26, 189-200.	1.1	14
76	The Hemiuroidea (Digenea) of pomacentrid fishes (Perciformes) from Heron Island, Queensland, Australia. <i>Systematic Parasitology</i> , 1993, 24, 159-184.	1.1	27