

Warren E Johnson

List of Publications by Year in descending order

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146
papers

16,677
citations

29994

54
h-index

19136

118
g-index

151
all docs

151
docs citations

151
times ranked

16361
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing patterns of genetic diversity and connectivity among guanacos (<i>Lama guanicoe</i>) in the Bolivian Chaco: implications for designing management strategies. <i>Studies on Neotropical Fauna and Environment</i> , 2023, 58, 94-103.	0.5	3
2	The Earth BioGenome Project 2020: Starting the clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	124
3	Standards recommendations for the Earth BioGenome Project. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	33
4	Incomplete lineage sorting and phenotypic evolution in marsupials. <i>Cell</i> , 2022, 185, 1646-1660.e18.	13.5	43
5	Genomic Signatures of Divergent Ecological Strategies in a Recent Radiation of Neotropical Wild Cats. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	3
6	Cross-species transmission of retroviruses among domestic and wild felids in human-occupied landscapes in Chile. <i>Evolutionary Applications</i> , 2021, 14, 1070-1082.	1.5	13
7	Past and Recent Effects of Livestock Activity on the Genetic Diversity and Population Structure of Native Guanaco Populations of Arid Patagonia. <i>Animals</i> , 2021, 11, 1218.	1.0	6
8	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021, 592, 737-746.	13.7	1,139
9	Utility of genetic variation in coat color genes to distinguish wild, domestic and hybrid South American camelids for forensic and judicial applications. <i>Forensic Science International: Genetics</i> , 2020, 45, 102226.	1.6	12
10	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, <i>Homotherium latidens</i> . <i>Current Biology</i> , 2020, 30, 5018-5025.e5.	1.8	34
11	Interbreeding among South American camelids threatens species integrity. <i>Journal of Arid Environments</i> , 2020, 181, 104249.	1.2	5
12	The evolutionary history of extinct and living lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10927-10934.	3.3	70
13	Avian Binocularity and Adaptation to Nocturnal Environments: Genomic Insights from a Highly Derived Visual Phenotype. <i>Genome Biology and Evolution</i> , 2019, 11, 2244-2255.	1.1	12
14	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host-Pathogen Arms Race in Birds. <i>Diversity</i> , 2019, 11, 131.	0.7	25
15	Puma genomes from North and South America provide insights into the genomic consequences of inbreeding. <i>Nature Communications</i> , 2019, 10, 4769.	5.8	55
16	Whole Genome Sequencing and Re-sequencing of the Sable Antelope (<i>Hippotragus niger</i>): A Resource for Monitoring Diversity in <i>ex Situ</i> and <i>in Situ</i> Populations. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1785-1793.	0.8	18
17	Improving Illumina assemblies with Hi-C and long reads: An example with the North African dromedary. <i>Molecular Ecology Resources</i> , 2019, 19, 1015-1026.	2.2	67
18	Evolution of gene regulation in ruminants differs between evolutionary breakpoint regions and homologous synteny blocks. <i>Genome Research</i> , 2019, 29, 576-589.	2.4	39

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19	Earth BioGenome Project: Sequencing life for the future of life. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4325-4333.	3.3	652
20	The Complete Phylogeny of Pangolins: Scaling Up Resources for the Molecular Tracing of the Most Trafficked Mammals on Earth. Journal of Heredity, 2018, 109, 347-359.	1.0	64
21	The coming of age of conservation genetics in Latin America: what has been achieved and what needs to be done. Conservation Genetics, 2018, 19, 1-15.	0.8	38
22	Genetic Variation in Coat Colour Genes MC1R and ASIP Provides Insights Into Domestication and Management of South American Camelids. Frontiers in Genetics, 2018, 9, 487.	1.1	31
23	Adaptive genomic evolution of opsins reveals that early mammals flourished in nocturnal environments. BMC Genomics, 2018, 19, 121.	1.2	22
24	Conservation Genetics of the Cheetah: Genetic History and Implications for Conservation. , 2018, , 71-92.		10
25	Landscape genomics: natural selection drives the evolution of mitogenome in penguins. BMC Genomics, 2018, 19, 53.	1.2	27
26	Genetic diversity and population structure of the Black-faced Spoonbill (Platalea minor) among its breeding sites in South Korea: Implication for conservation. Biochemical Systematics and Ecology, 2017, 71, 106-113.	0.6	3
27	Conservation Genetics of the Cheetah: Lessons Learned and New Opportunities. Journal of Heredity, 2017, 108, 671-677.	1.0	28
28	Molecular assessment of the phylogeny and biogeography of a recently diversified endemic group of South American canids (Mammalia: Carnivora: Canidae). Genetics and Molecular Biology, 2016, 39, 442-451.	0.6	16
29	Response to Comment by Faurby, Werdelin and Svenning. Genome Biology, 2016, 17, 90.	3.8	2
30	Bone-associated gene evolution and the origin of flight in birds. BMC Genomics, 2016, 17, 371.	1.2	12
31	Pangolin genomes and the evolution of mammalian scales and immunity. Genome Research, 2016, 26, 1312-1322.	2.4	95
32	Phylogenetic relationships and genetic diversity of badgers from the Korean Peninsula: Implications for the taxonomic status of the Korean badger. Biochemical Systematics and Ecology, 2016, 69, 18-26.	0.6	5
33	Positive Selection Linked with Generation of Novel Mammalian Dentition Patterns. Genome Biology and Evolution, 2016, 8, 2748-2759.	1.1	9
34	PGD: a pangolin genome hub for the research community. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw063.	1.4	5
35	Continued decline in genetic diversity among wild cheetahs (Acinonyx jubatus) without further loss of semen quality. Biological Conservation, 2016, 200, 192-199.	1.9	18
36	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. Genome Biology and Evolution, 2016, 8, 1115-1131.	1.1	20

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37	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. <i>BMC Genomics</i> , 2015, 16, 751.	1.2	58
38	Genomic legacy of the African cheetah, <i>Acinonyx jubatus</i> . <i>Genome Biology</i> , 2015, 16, 277.	3.8	167
39	Reduced Genetic Diversity and Increased Dispersal in <i>Leopardus guigna</i> in Chilean Fragmented Landscapes. <i>Journal of Heredity</i> , 2015, 106, 522-536.	1.0	24
40	Genetic diversity of <i>Rhizobium</i> from nodulating beans grown in a variety of Mediterranean climate soils of Chile. <i>Archives of Microbiology</i> , 2015, 197, 419-429.	1.0	18
41	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015, 32, 2832-2843.	3.5	73
42	Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species. <i>Current Biology</i> , 2015, 25, 2158-2165.	1.8	156
43	Evolutionary Genomics and Adaptive Evolution of the Hedgehog Gene Family (<i>Shh</i> , <i>Ihh</i> and <i>Dhh</i>) in Vertebrates. <i>PLoS ONE</i> , 2014, 9, e74132.	1.1	27
44	The dynamic proliferation of CanSINEs mirrors the complex evolution of Feliforms. <i>BMC Evolutionary Biology</i> , 2014, 14, 137.	3.2	8
45	Mammalian keratin associated proteins (KRTAPs) subgenomes: disentangling hair diversity and adaptation to terrestrial and aquatic environments. <i>BMC Genomics</i> , 2014, 15, 779.	1.2	64
46	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014, 346, 1320-1331.	6.0	1,583
47	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014, 346, 1311-1320.	6.0	895
48	The Genetic Inheritance of the Blue-eyed White Phenotype in Alpacas (<i>Vicugna pacos</i>). <i>Journal of Heredity</i> , 2014, 105, 941-951.	1.0	24
49	The Role of Genomics in Conservation and Reproductive Sciences. <i>Advances in Experimental Medicine and Biology</i> , 2014, 753, 71-96.	0.8	14
50	A Comprehensive Whole-Genome Integrated Cytogenetic Map for the Alpaca (<i>Lama glama</i>). <i>Journal of Heredity</i> , 2014, 105, 952-963.	0.8	59
51	Development and Application of Camelid Molecular Cytogenetic Tools. <i>Journal of Heredity</i> , 2014, 105, 952-963.	1.0	36
52	Phylogeography and population history of <i>Leopardus guigna</i> , the smallest American felid. <i>Conservation Genetics</i> , 2014, 15, 631-653.	0.8	31
53	Camelid Genetics and Reproductive Biotechnologies. <i>Journal of Heredity</i> , 2014, 105, 931-932.	1.0	0
54	Sympatric Asian felid phylogeography reveals a major Indochinese-Sundaic divergence. <i>Molecular Ecology</i> , 2014, 23, 2072-2092.	2.0	56

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55	Maintenance of Genetic Diversity in an Introduced Island Population of Guanacos after Seven Decades and Two Severe Demographic Bottlenecks: Implications for Camelid Conservation. PLoS ONE, 2014, 9, e91714.	1.1	11
56	The influence of the arid Andean high plateau on the phylogeography and population genetics of guanaco (<i>Lama guanicoe</i>) in South America. Molecular Ecology, 2013, 22, 463-482.	2.0	39
57	The tiger genome and comparative analysis with lion and snow leopard genomes. Nature Communications, 2013, 4, 2433.	5.8	217
58	Molecular evidence for a recent demographic expansion in the puma (<i>Puma concolor</i>) (Mammalia). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	16
59	Tissue sampling methods and standards for vertebrate genomics. GigaScience, 2012, 1, 8.	3.3	51
60	How the Leopard Hides Its Spots: ASIP Mutations and Melanism in Wild Cats. PLoS ONE, 2012, 7, e50386.	1.1	51
61	Emerging Viruses in the Felidae: Shifting Paradigms. Viruses, 2012, 4, 236-257.	1.5	44
62	Fish Lateral Line Innovation: Insights into the Evolutionary Genomic Dynamics of a Unique Mechanosensory Organ. Molecular Biology and Evolution, 2012, 29, 3887-3898.	3.5	11
63	Evolution of CRISPs Associated with Toxicoferan-Reptilian Venom and Mammalian Reproduction. Molecular Biology and Evolution, 2012, 29, 1807-1822.	3.5	89
64	Pleistocene and ecological effects on continental-scale genetic differentiation in the bobcat (<i>Lynx</i>). Tj ETQq0 0 0 rgBT /Overlock 10	2.0	55
65	Does genetic introgression improve female reproductive performance? A test on the endangered Florida panther. Oecologia, 2012, 168, 289-300.	0.9	12
66	The Role of Gene Duplication and Unconstrained Selective Pressures in the Melanopsin Gene Family Evolution and Vertebrate Circadian Rhythm Regulation. PLoS ONE, 2012, 7, e52413.	1.1	22
67	Subspecific Status of the Korean Tiger Inferred by Ancient DNA Analysis. Animal Systematics, Evolution and Diversity, 2012, 28, 48-53.	0.2	8
68	A Molecular Phylogeny of Living Primates. PLoS Genetics, 2011, 7, e1001342.	1.5	1,130
69	Intentional genetic introgression influences survival of adults and subadults in a small, inbred felid population. Journal of Animal Ecology, 2011, 80, 958-967.	1.3	43
70	Adaptive evolution of the matrix extracellular phosphoglycoprotein in mammals. BMC Evolutionary Biology, 2011, 11, 342.	3.2	18
71	Genetic Restoration of the Florida Panther. Science, 2010, 329, 1641-1645.	6.0	467
72	Molecular evolution and the role of oxidative stress in the expansion and functional diversification of cytosolic glutathione transferases. BMC Evolutionary Biology, 2010, 10, 281.	3.2	71

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73	Applying molecular genetic tools to tiger conservation. <i>Integrative Zoology</i> , 2010, 5, 351-362.	1.3	12
74	Pattern and timing of diversification of the mammalian order Carnivora inferred from multiple nuclear gene sequences. <i>Molecular Phylogenetics and Evolution</i> , 2010, 56, 49-63.	1.2	206
75	What Is a Tiger? <i>Genetics and Phylogeography</i> , 2010, , 35-51.		37
76	Genetic Future for Florida Panthers's Response. <i>Science</i> , 2010, 330, 1744-1744.	6.0	1
77	Genetic introgression and the survival of Florida panther kittens. <i>Biological Conservation</i> , 2010, 143, 2789-2796.	1.9	37
78	Genome 10K: A Proposal to Obtain Whole-Genome Sequence for 10,000 Vertebrate Species. <i>Journal of Heredity</i> , 2009, 100, 659-674.	1.0	504
79	Analyses of Sweet Receptor Gene (<i>Tas1r2</i>) and Preference for Sweet Stimuli in Species of Carnivora. <i>Journal of Heredity</i> , 2009, 100, S90-S100.	1.0	41
80	Molecular genetic evidence for social group disruption of wild vicuñas <i>Vicugna vicugna</i> captured for wool harvest in Chile. <i>Small Ruminant Research</i> , 2009, 84, 28-34.	0.6	9
81	Exposure to disease agents in the endangered Iberian lynx (<i>Lynx pardinus</i>). <i>European Journal of Wildlife Research</i> , 2008, 54, 171-178.	0.7	37
82	Ecological and biogeographical inferences on two sympatric and enigmatic Andean cat species using genetic identification of faecal samples. <i>Molecular Ecology</i> , 2008, 17, 678-690.	2.0	58
83	Inter-species hybridization among Neotropical cats of the genus <i>Leopardus</i> , and evidence for an introgressive hybrid zone between <i>L. geoffroyi</i> and <i>L. tigrinus</i> in southern Brazil. <i>Molecular Ecology</i> , 2008, 17, 4317-4333.	2.0	83
84	The adaptive evolution of the mammalian mitochondrial genome. <i>BMC Genomics</i> , 2008, 9, 119.	1.2	303
85	Subspecies Genetic Assignments of Worldwide Captive Tigers Increase Conservation Value of Captive Populations. <i>Current Biology</i> , 2008, 18, 592-596.	1.8	59
86	Finding of polydactyly in a free-ranging guanaco (<i>Lama guanicoe</i>). <i>Small Ruminant Research</i> , 2008, 76, 220-222.	0.6	6
87	State of cat genomics. <i>Trends in Genetics</i> , 2008, 24, 268-279.	2.9	79
88	Evolution of feline immunodeficiency virus in Felidae: Implications for human health and wildlife ecology. <i>Veterinary Immunology and Immunopathology</i> , 2008, 123, 32-44.	0.5	62
89	FIV cross-species transmission: An evolutionary prospective. <i>Veterinary Immunology and Immunopathology</i> , 2008, 123, 159-166.	0.5	51
90	Patterns of molecular genetic variation among cat breeds. <i>Genomics</i> , 2008, 91, 1-11.	1.3	63

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91	Cross-amplication and characterization of 13 tetranucleotide microsatellites in multiple species of Neotropical canids. <i>Molecular Ecology Resources</i> , 2008, 8, 898-900.	2.2	8
92	Molecular Genetic Insights on Cheetah (<i>Acinonyx jubatus</i>) Ecology and Conservation in Namibia. <i>Journal of Heredity</i> , 2008, 99, 2-13.	1.0	33
93	The Evolutionary Dynamics of the Lion <i>Panthera leo</i> Revealed by Host and Viral Population Genomics. <i>PLoS Genetics</i> , 2008, 4, e1000251.	1.5	91
94	Genetic Characterization of Feline Leukemia Virus from Florida Panthers. <i>Emerging Infectious Diseases</i> , 2008, 14, 252-259.	2.0	60
95	Evolution of the Male-Determining Gene SRY Within the Cat Family Felidae. <i>Genetics</i> , 2007, 175, 1855-1867.	1.2	20
96	Development of Y Chromosome Intraspecific Polymorphic Markers in the Felidae. <i>Journal of Heredity</i> , 2007, 98, 400-413.	1.0	26
97	Mitochondrial Introgressions into the Nuclear Genome of the Domestic Cat. <i>Journal of Heredity</i> , 2007, 98, 414-420.	1.0	30
98	The Near Eastern Origin of Cat Domestication. <i>Science</i> , 2007, 317, 519-523.	6.0	414
99	Initial sequence and comparative analysis of the cat genome. <i>Genome Research</i> , 2007, 17, 1675-1689.	2.4	311
100	The Evolution Cats. <i>Scientific American</i> , 2007, 297, 68-75.	1.0	90
101	Isolation and characterization of microsatellite markers in pangolins (Mammalia, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td	1.7	15
102	A select panel of polymorphic microsatellite loci for individual identification of snow leopards (<i>Panthera uncia</i>). <i>Molecular Ecology Notes</i> , 2007, 7, 311-314.	1.7	16
103	Evolutionary analysis of a large mtDNA translocation (numt) into the nuclear genome of the <i>Panthera</i> genus species. <i>Gene</i> , 2006, 366, 292-302.	1.0	79
104	The Late Miocene Radiation of Modern Felidae: A Genetic Assessment. <i>Science</i> , 2006, 311, 73-77.	6.0	596
105	Molecular Evidence for Species-Level Distinctions in Clouded Leopards. <i>Current Biology</i> , 2006, 16, 2371-2376.	1.8	98
106	Life on the Edge: The Long-Term Persistence and Contrasting Spatial Genetic Structure of Distinct Brown Trout Life Histories at Their Ecological Limits. <i>Journal of Heredity</i> , 2006, 97, 193-205.	1.0	30
107	Seroprevalence and Genomic Divergence of Circulating Strains of Feline Immunodeficiency Virus among Felidae and Hyaenidae Species. <i>Journal of Virology</i> , 2005, 79, 8282-8294.	1.5	132
108	BIG CAT GENOMICS. <i>Annual Review of Genomics and Human Genetics</i> , 2005, 6, 407-429.	2.5	46

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109	MULTIPLE PATERNITY AND REPRODUCTIVE TACTICS OF FREE-RANGING AMERICAN MINKS, <i>MUSTELA VISON</i> . <i>Journal of Mammalogy</i> , 2004, 85, 432-439.	0.6	36
110	Phylogeography and Genetic Ancestry of Tigers (<i>Panthera tigris</i>). <i>PLoS Biology</i> , 2004, 2, e442.	2.6	197
111	Phylogeography and subspecies assessment of vicuñas in Chile and Bolivia utilizing mtDNA and microsatellite markers: implications for vicuña conservation and management. <i>Conservation Genetics</i> , 2004, 5, 89-102.	0.8	20
112	Phylogenetic and Phylogeographic Analysis of Iberian Lynx Populations. , 2004, 95, 19-28.		68
113	Detecting the vanishing populations of the highly endangered Darwin's fox, <i>Pseudalopex fulvipes</i> . <i>Animal Conservation</i> , 2004, 7, 147-153.	1.5	16
114	Aqueous-Phase Disappearance of Atrazine, Metolachlor, and Chlorpyrifos in Laboratory Aquaria and Outdoor Macrocosms. <i>Archives of Environmental Contamination and Toxicology</i> , 2003, 44, 67-76.	2.1	42
115	Molecular Genetics and Evolution of Melanism in the Cat Family. <i>Current Biology</i> , 2003, 13, 448-453.	1.8	274
116	Reproductive status of endemic felid species in Latin American zoos and implications for ex situ conservation. <i>Zoo Biology</i> , 2003, 22, 421-441.	0.5	60
117	Faecal genetic analysis to determine the presence and distribution of elusive carnivores: design and feasibility for the Iberian lynx. <i>Molecular Ecology</i> , 2002, 11, 2171-2182.	2.0	172
118	Eighteen polymorphic microsatellite markers for the highly endangered Spanish imperial eagle (<i>Aquila</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	50
119	Structure and patterns of sequence variation in the mitochondrial DNA control region of the great cats. <i>Mitochondrion</i> , 2001, 1, 279-292.	1.6	46
120	Phylogenetics, genome diversity and origin of modern leopard, <i>Panthera pardus</i> . <i>Molecular Ecology</i> , 2001, 10, 2617-2633.	2.0	168
121	Patterns of Genetic Diversity in Remaining Giant Panda Populations. <i>Conservation Biology</i> , 2001, 15, 1596-1607.	2.4	128
122	Phylogeography, population history and conservation genetics of jaguars (<i>Panthera onca</i> , Mammalia,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	179
123	rPatterns of mtDNA and microsatellite variation in an island and mainland population of guanacos in southern Chile. <i>Animal Conservation</i> , 2001, 4, 93-101.	1.5	28
124	Molecular phylogenetics and the origins of placental mammals. <i>Nature</i> , 2001, 409, 614-618.	18.7	1,292
125	Development of microsatellite markers in the guanaco, <i>Lama guanicoe</i> : utility for South American camelids. <i>Molecular Ecology</i> , 2000, 9, 1922-1924.	2.0	48
126	Genomic ancestry of the American puma (<i>Puma concolor</i>). , 2000, 91, 186-197.		240

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127	Juvenile guanaco survival: management and conservation implications. <i>Journal of Applied Ecology</i> , 1999, 36, 937-945.	1.9	49
128	Disparate phylogeographic patterns of molecular genetic variation in four closely related South American small cat species. <i>Molecular Ecology</i> , 1999, 8, S79-S94.	2.0	69
129	Ecology of the Patagonia puma <i>Felis concolor patagonica</i> in southern Chile. <i>Biological Conservation</i> , 1999, 90, 33-40.	1.9	106
130	Molecular Genetic Characterization of Two Insular Asian Cat Species, Bornean Bay Cat and Iriomote Cat. , 1999, , 223-248.		8
131	Phylogeographic Patterns and Evolution of the Mitochondrial DNA Control Region in Two Neotropical Cats (Mammalia, Felidae). <i>Journal of Molecular Evolution</i> , 1998, 47, 613-624.	0.8	87

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145	The mammalian fauna of the northern Chilean Patagonia: a biogeographical dilemma. <i>Mammalia</i> , 1990, 54, .	0.3	30
146	Genetic and Morphological Divergence among Sympatric Canids. <i>Journal of Heredity</i> , 1989, 80, 447-454.	1.0	64