

James L Patton

List of Publications by Year in descending order

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57
papers

5,041
citations

159585

30
h-index

149698

56
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58
all docs

58
docs citations

58
times ranked

4351
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of a Century of Climate Change on Small-Mammal Communities in Yosemite National Park, USA. <i>Science</i> , 2008, 322, 261-264.	12.6	843
2	The diversification of South American murid rodents: evidence from mitochondrial DNA sequence data for the akodontine tribe. <i>Biological Journal of the Linnean Society</i> , 1993, 50, 149-177.	1.6	460
3	MAMMALS OF THE RIO JURUÁ AND THE EVOLUTIONARY AND ECOLOGICAL DIVERSIFICATION OF AMAZONIA. <i>Bulletin of the American Museum of Natural History</i> , 2000, 244, 1.	3.4	360
4	Genetic footprints of demographic expansion in North America, but not Amazonia, during the Late Quaternary. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10331-10334.	7.1	346
5	Title is missing!. <i>Journal of Mammalian Evolution</i> , 1999, 6, 89-128.	1.8	262
6	GENE GENEALOGY AND DIFFERENTIATION AMONG ARBOREAL SPINY RATS (RODENTIA: ECHIMYIDAE) OF THE AMAZON BASIN: A TEST OF THE RIVERINE BARRIER HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1314-1323.	2.3	166
7	Molecular phylogeography and the evolution and conservation of Amazonian mammals. <i>Molecular Ecology</i> , 1998, 7, 475-486.	3.9	165
8	GENETIC VARIATION IN <i>THOMOMYS BOTTAE</i> POCKET GOPHERS: MACROGEOGRAPHIC PATTERNS. <i>Evolution; International Journal of Organic Evolution</i> , 1977, 31, 697-720.	2.3	157
9	The Simultaneous Diversification of South American Echimyid Rodents (Hystricognathi) Based on Complete Cytochrome b Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1996, 5, 403-413.	2.7	147
10	Climate-induced range contraction drives genetic erosion in an alpine mammal. <i>Nature Climate Change</i> , 2012, 2, 285-288.	18.8	134
11	Ecomorphological diversification among South American spiny rats (Rodentia; Echimyidae): a phylogenetic and chronological approach. <i>Molecular Phylogenetics and Evolution</i> , 2005, 34, 601-615.	2.7	133
12	DNA PHYLOGENY OF ANDEAN MICE: A TEST OF DIVERSIFICATION ACROSS ECOLOGICAL GRADIENTS. <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 174-183.	2.3	130
13	Amazonian Phylogeography: mtDNA Sequence Variation in Arboreal Echimyid Rodents (Caviomorpha). <i>Molecular Phylogenetics and Evolution</i> , 1993, 2, 243-255.	2.7	112
14	mtDNA Phylogeny of Andean Mice: A Test of Diversification Across Ecological Gradients. <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 174.	2.3	110
15	The origin of eutherian mammals. <i>Biological Journal of the Linnean Society</i> , 1987, 32, 281-336.	1.6	103
16	Spatially heterogeneous impact of climate change on small mammals of montane California. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141857.	2.6	103
17	MICROSPATIAL GENETIC HETEROGENEITY IN POCKET GOPHERS: NON-RANDOM BREEDING AND DRIFT. <i>Evolution; International Journal of Organic Evolution</i> , 1981, 35, 912-920.	2.3	96
18	Relationships among didelphid marsupials based on sequence variation in the mitochondrial cytochrome B gene. <i>Journal of Mammalian Evolution</i> , 1996, 3, 3-29.	1.8	93

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19	Evolution of South American spiny rats (Rodentia, Echimyidae): the star-phylogeny hypothesis revisited. <i>Molecular Phylogenetics and Evolution</i> , 2002, 25, 455-464.	2.7	87
20	Gene Genealogy and Differentiation Among Arboreal Spiny rats (Rodentia: Echimyidae) of the Amazon Basin: A Test of the Riverine Barrier Hypothesis. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1314.	2.3	72
21	Temporal genomic contrasts reveal rapid evolutionary responses in an alpine mammal during recent climate change. <i>PLoS Genetics</i> , 2019, 15, e1008119.	3.5	70
22	Evolutionary diversification of spiny rats (genus <i>Trinomys</i> , Rodentia: Echimyidae) in the Atlantic Forest of Brazil. <i>Zoological Journal of the Linnean Society</i> , 2000, 130, 661-686.	2.3	69
23	HYBRID ZONES IN <i>THOMOMYS BOTTAE</i> POCKET GOPHERS: GENETIC, PHENETIC, AND ECOLOGIC CONCORDANCE PATTERNS. <i>Evolution; International Journal of Organic Evolution</i> , 1979, 33, 860-876.	2.3	68
24	POPULATION GENETIC STRUCTURE OF TWO ECOLOGICALLY DISTINCT AMAZONIAN SPINY RATS: SEPARATING HISTORY AND CURRENT ECOLOGY. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1423-1432.	2.3	65
25	B-chromosome systems in the pocket mouse, <i>Perognathus baileyi</i> : Meiosis and C-band studies. <i>Chromosoma</i> , 1977, 60, 1-14.	2.2	56
26	Evaluation of species distribution models by resampling of sites surveyed a century ago by Joseph Grinnell. <i>Ecography</i> , 2013, 36, 1017-1031.	4.5	46
27	DIVERSIFICATION IN THE GENUS <i>AKODON</i> (RODENTIA: SIGMODONTINAE) IN SOUTHEASTERN SOUTH AMERICA: MITOCHONDRIAL DNA SEQUENCE ANALYSIS. <i>Journal of Mammalogy</i> , 2001, 82, 92-101.	1.3	45
28	PHYLOGENETIC AND ENVIRONMENTAL DETERMINANTS OF GEOGRAPHIC VARIATION OF THE POCKET MOUSE <i>PEROGNATHUS GOLDMANI</i> OSGOOD. <i>Evolution; International Journal of Organic Evolution</i> , 1980, 34, 888-903.	2.3	38
29	Karyotypic variation following an elevational gradient in the pocket gopher, <i>Thomomys bottae grahamensis</i> Goldman. <i>Chromosoma</i> , 1970, 31, 41-50.	2.2	35
30	PATTERNS OF GEOGRAPHIC VARIATION IN KARYOTYPE IN THE POCKET GOPHER, <i>THOMOMYS BOTTAE</i> (EYDOUX AND GERVAIS). <i>Evolution; International Journal of Organic Evolution</i> , 1972, 26, 574-586.	2.3	34
31	Biochemical relationships of the Galápagos Giant tortoises (<i>Geochelone elephantopus</i>)*. <i>Journal of Zoology</i> , 2009, 195, 413-422.	1.7	29
32	Morphological and dietary responses of chipmunks to a century of climate change. <i>Global Change Biology</i> , 2016, 22, 3233-3252.	9.5	29
33	The conundrum of subspecies: morphological diversity among desert populations of the California vole (<i>Microtus californicus</i> , Cricetidae). <i>Journal of Mammalogy</i> , 2017, 98, 1010-1026.	1.3	29
34	Cryptic genetic diversity in <i>Rattus</i> of the San Francisco Bay region, California. <i>Biological Invasions</i> , 2013, 15, 741-758.	2.4	28
35	Transformational Principles for NEON Sampling of Mammalian Parasites and Pathogens: A Response to Springer and Colleagues. <i>BioScience</i> , 2016, 66, 917-919.	4.9	28
36	Genetical processes in the Galapagos. <i>Biological Journal of the Linnean Society</i> , 1984, 21, 97-111.	1.6	27

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37	Genome evolution in pocket gophers (genus <i>Thomomys</i>). <i>Chromosoma</i> , 1985, 92, 337-343.	2.2	27
38	CHROMOSOME EVOLUTION IN THE POCKET MOUSE, <i>PEROGNATHUS GOLDMANIOSGOOD</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1969, 23, 645-662.	2.3	23
39	Geographic genetic architecture of pocket gopher (<i>Thomomys bottae</i>) populations in Baja California, Mexico. <i>Molecular Ecology</i> , 2004, 13, 2287-2301.	3.9	23
40	DYNAMICS OF MORPHOLOGICAL DIFFERENTIATION: TEMPORAL IMPACT OF GENE FLOW IN POCKET GOPHER POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1984, 38, 1079-1087.	2.3	19
41	Phylogenetic relationships and karyotype evolution in the sigmodontine rodent <i>Akodon</i> (2n = 10 and) Tj ETQq1 1 0,784314 rgBT /Overlock 18	1.3	18
42	Analysis of Cytochrome-bNucleotide Diversity Confirms a Recent Range Expansion in <i>Calomys musculus</i> (Rodentia, Muridae). <i>Journal of Mammalogy</i> , 2007, 88, 777-783.	1.3	17
43	Phylogeography of the western jumping mouse (<i>Zapus princeps</i>) detects deep and persistent allopatry with expansion. <i>Journal of Mammalogy</i> , 2013, 94, 1016-1029.	1.3	17
44	Title is missing!. <i>Conservation Genetics</i> , 2003, 4, 501-514.	1.5	15
45	New records of mammals from Iran with systematic comments on hedgehogs (Erinaceidae) and mouse-like hamsters (<i>Calomyscus</i> , Muridae). <i>Zoology in the Middle East</i> , 2002, 26, 49-58.	0.6	14
46	Systematic Relationships of the Four-Toed Populations of <i>Dipodomys heermanni</i> . <i>Journal of Mammalogy</i> , 1976, 57, 159-163.	1.3	13
47	Title is missing!. <i>International Journal of Primatology</i> , 1999, 20, 1005-1028.	1.9	13
48	Characterization of 18 microsatellite loci for woodrats of the <i>Neotoma lepida</i> group (Rodentia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.7	13
49	Karyotypic Variation in the Pocket Mouse, <i>Perognathus Penicillatus</i> Woodhouse (Rodentia-Heteromyidae). <i>Caryologia</i> , 1969, 22, 351-358.	0.3	12
50	Evolutionary processes and its environmental correlates in the cranial morphology of western chipmunks (<i>Tamias</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 595-609.	2.3	11
51	Following the rivers: historical reconstruction of California voles <i>Microtus californicus</i> (Rodentia: Cricetidae) in the deserts of eastern California. <i>Biological Journal of the Linnean Society</i> , 2016, 119, 80-98.	1.6	9
52	Revision of the Chiapan deer mouse, <i>Peromyscus zarhynchus</i> , with the description of a new species. <i>Journal of Mammalogy</i> , 2016, 97, 910-918.	1.3	8
53	Taxonomic revision of Bolivian <i>Juscelinomys</i> (Rodentia, Cricetidae) with notes on morphology and ecology. <i>Mammalia</i> , 2012, 76, .	0.7	6
54	A new living species of degu, genus <i>Octodon</i> (Hystricomorpha: Octodontidae). <i>Journal of Mammalogy</i> , 2021, 102, 139-154.	1.3	2

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55	Systematic status of the large squirrels (subgenus <i>urosciurus</i>) of the western Amazon basin. <i>Studies on Neotropical Fauna and Environment</i> , 1984, 19, 53-72.	1.0	1
56	Distributional extensions of <i>Carollia castanea</i> and <i>Micronycteris minuta</i> from Guatemala, Central America. <i>Mammalia</i> , 2017, 82, 72-77.	0.7	1
57	Geographic variation and evolutionary history of <i>Dipodomys nitratoides</i> (Rodentia: Heteromyidae), a species in severe decline. <i>Journal of Mammalogy</i> , 2019, 100, 1546-1563.	1.3	1