Jaroslav PiÃ¡lek

List of Publications by Year
in descending order

80 papers	3,421 citations	159585 30 h-index	189892 50 g-index
86 all docs	86 docs citations	86 times ranked	3225 citing authors

#	Article	IF	Citations
1	Divergent gut microbiota in two closely related house mouse subspecies under common garden conditions. FEMS Microbiology Ecology, 2022, 98, .	2.7	5
2	Experimental validation of small mammal gut microbiota sampling from faeces and from the caecum after death. Heredity, 2021, 127, 141-150.	2.6	9
3	New Perspective on the Geographic Distribution and Evolution of Lymphocytic Choriomeningitis Virus, Central Europe. Emerging Infectious Diseases, 2021, 27, 2638-2647.	4.3	15
4	Intensity of infection with intracellular Eimeria spp. and pinworms is reduced in hybrid mice compared to parental subspecies. Journal of Evolutionary Biology, 2020, 33, 435-448.	1.7	11
5	Prdm9Intersubspecific Interactions in Hybrid Male Sterility of House Mouse. Molecular Biology and Evolution, 2020, 37, 3423-3438.	8.9	24
6	Coupling between tolerance and resistance for two related Eimeria parasite species. Ecology and Evolution, 2020, 10, 13938-13948.	1.9	7
7	Geographical Distribution of Ljungan Virus in Small Mammals in Europe. Vector-Borne and Zoonotic Diseases, 2020, 20, 692-702.	1.5	5
8	Sperm quality, aggressiveness and generation turnover may facilitate unidirectional Y chromosome introgression across the European house mouse hybrid zone. Heredity, 2020, 125, 200-211.	2.6	2
9	How being synanthropic affects the gut bacteriome and mycobiome: comparison of two mouse species with contrasting ecologies. BMC Microbiology, 2020, 20, 194.	3.3	14
10	Phenotypic effects of the Y chromosome are variable and structured in hybrids among house mouse recombinant lines. Ecology and Evolution, 2019, 9, 6124-6137.	1.9	11
11	Evidence of functional Cd94 polymorphism in a free-living house mouse population. Immunogenetics, 2019, 71, 321-333.	2.4	2
12	Holobiont suture zones: Parasite evidence across the European house mouse hybrid zone. Molecular Ecology, 2018, 27, 5214-5227.	3.9	18
13	Large-scale genetic analysis reveals mammalian mtDNA heteroplasmy dynamics and variance increase through lifetimes and generations. Nature Communications, 2018, 9, 2488.	12.8	51
14	Host subspecific viral strains in European house mice: Murine cytomegalovirus in the Eastern (Mus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	11
15	Application of Concanavalin A during immune responsiveness skinâ€swelling tests facilitates measurement interpretation in mammalian ecology. Ecology and Evolution, 2016, 6, 4551-4564.	1.9	4
16	Testing parasite â€˜intimacyâ€™: the whipworm <scp>T</scp>richuris muris inÂthe <scp>E</scp>uropean house mouse hybrid zone. Ecology and Evolution, 2016, 6, 2688-2701.	1.9	14
17	Maternalâ€“foetal genomic conflict and speciation: no evidence for hybrid placental dysplasia in crosses between two house mouse subspecies. Journal of Evolutionary Biology, 2015, 28, 688-698.	1.7	5
18	Murine Cytomegalovirus Is Not Restricted to the House Mouse Mus musculus domesticus: Prevalence and Genetic Diversity in the European House Mouse Hybrid Zone. Journal of Virology, 2015, 89, 406-414.	3.4	16

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19	Sperm Morphology in Two House Mouse Subspecies: Do Wild-Derived Strains and Wild Mice Tell the Same Story?. PLoS ONE, 2014, 9, e115669.	2.5	6
20	X Chromosome Control of Meiotic Chromosome Synapsis in Mouse Inter-Subspecific Hybrids. PLoS Genetics, 2014, 10, e1004088.	3.5	76
21	Contrasting patterns of polymorphism and selection in bacterialâ€sensing tollâ€like receptor 4 in two house mouse subspecies. Ecology and Evolution, 2014, 4, 2931-2944.	1.9	18
22	Gastrointestinal microbiota of wild and inbred individuals of two house mouse subspecies assessed using highâ€throughput parallel pyrosequencing. Molecular Ecology, 2014, 23, 5048-5060.	3.9	66
23	Efficacy of magnetic capture in comparison with conventional DNA isolation in a survey of Toxoplasma gondii in wild house mice. European Journal of Protistology, 2014, 50, 11-15.	1.5	12
24	mtDNA Segregation in Heteroplasmic Tissues Is Common InÂVivo and Modulated by Haplotype Differences and Developmental Stage. Cell Reports, 2014, 7, 2031-2041.	6.4	99
25	Prdm9 Incompatibility Controls Oligospermia and Delayed Fertility but No Selfish Transmission in Mouse Intersubspecific Hybrids. PLoS ONE, 2014, 9, e95806.	2.5	36
26	Coevolution of Cryptosporidium tyzzeri and the house mouse (Mus musculus). International Journal for Parasitology, 2013, 43, 805-817.	3.1	48
27	Transgressive segregation in a behavioural trait? Explorative strategies in two house mouse subspecies and their hybrids. Biological Journal of the Linnean Society, 2013, 108, 225-235.	1.6	12
28	Interallelic and Intergenic Incompatibilities of the Prdm9 (Hst1) Gene in Mouse Hybrid Sterility. PLoS Genetics, 2012, 8, e1003044.	3.5	68
29	High Prevalence and Species Diversity of Helicobacter spp. Detected in Wild House Mice. Applied and Environmental Microbiology, 2012, 78, 8158-8160.	3.1	19
30	Sperm-related phenotypes implicated in both maintenance and breakdown of a natural species barrier in the house mouse. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4803-4810.	2.6	60
31	Adaptive Evolution and Effective Population Size in Wild House Mice. Molecular Biology and Evolution, 2012, 29, 2949-2955.	8.9	73
32	The mouse hybrid zone in Central Europe: from morphology to molecules. Folia Zoologica, 2012, 61, 308-318.	0.9	41
33	The house mouse and its relatives:. , 2012, , 1-34.		12
34	Phylogeny and biogeography of the genusMusin Eurasia. , 2012, , 35-64.		27
35	House mouse phylogeography. , 2012, , 278-296.		44
36	Development and characterization of multiplex panels of microsatellite markers for Syphacia obvelata, a parasite of the house mouse (Mus musculus), using a high throughput DNA sequencing approach. Molecular and Biochemical Parasitology, 2012, 185, 154-156.	1.1	5

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37	The complex social environment of female house mice (Mus domesticus). , 2012, , 114-134.		47
38	Hybridization between three crested newt species (Triturus cristatussuperspecies) in the Czech Republic and Slovakia: comparison of nuclear markers and mitochondrial DNA. Folia Zoologica, 2012, 61, 202-218.	0.9	10
39	Chromosomal hybrid zones in the house mouse. , 2012, , 407-430.		27
40	The role of the X chromosome in house mouse speciation. , 2012, , 431-454.		8
41	Mechanisms of chemical communication. , 2012, , 191-220.		6
42	Behaviour, ecology, and speciation in the house mouse. , 2012, , 373-406.		12
43	Hybrid male sterility genes in the mouse subspecific crosses. , 2012, , 482-503.		23
44	What can the Mus musculus musculus/M. m. domesticus hybrid zone tell us about speciation?. , 2012, , 334-372.		37
45	New insights into parasitism in the house mouse hybrid zone. , 2012, , 455-481.		9
46	On the origin of the house mouse synanthropy and dispersal in the Near East and Europe:. , 2012, , 65-93.		37
47	WHERE ARE THE WORMY MICE? A REEXAMINATION OF HYBRID PARASITISM IN THE EUROPEAN HOUSE MOUSE HYBRID ZONE. Evolution; International Journal of Organic Evolution, 2012, 66, 2757-2772.	2.3	47
48	Genomeâ€wide architecture of reproductive isolation in a naturally occurring hybrid zone between Mus musculus musculus and M.Âm.Âdomesticus. Molecular Ecology, 2012, 21, 3032-3047.	3.9	137
49	Evolution of the House Mouse. , 2012, , .		39
50	Reinforcement selection acting on the European house mouse hybrid zone. Molecular Ecology, 2011, 20, 2403-2424.	3.9	94
51	Measures of linkage disequilibrium among neighbouring SNPs indicate asymmetries across the house mouse hybrid zone. Molecular Ecology, 2011, 20, 2985-3000.	3.9	58
52	INFERENCE OF SELECTION AND STOCHASTIC EFFECTS IN THE HOUSE MOUSE HYBRID ZONE. Evolution; International Journal of Organic Evolution, 2011, 65, 993-1010.	2.3	39
53	ASSESSING MULTILOCUS INTROGRESSION PATTERNS: A CASE STUDY ON THE MOUSE X CHROMOSOME IN CENTRAL EUROPE. Evolution; International Journal of Organic Evolution, 2011, 65, 1428-1446.	2.3	108
54	Subspecific origin and haplotype diversity in the laboratory mouse. Nature Genetics, 2011, 43, 648-655.	21.4	439

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55	Genetic structure and contrasting selection pattern at two major histocompatibility complex genes in wild house mouse populations. Heredity, 2011, 106, 727-740.	2.6	27
56	No postnatal maternal effect on male aggressiveness in wild-derived strains of house mice. Aggressive Behavior, 2011, 37, 48-55.	2.4	11
57	The first report on natural Enterocytozoon bieneusi and Encephalitozoon spp. infections in wild East-European House Mice (Mus musculus musculus) and West-European House Mice (M. m.) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2011, 178, 246-250.	1.8	70
58	Polymorphism in hybrid male sterility in wild-derived Mus musculus musculus strains on proximal chromosome 17. Mammalian Genome, 2009, 20, 83-91.	2.2	53
59	Signalling components of the house mouse mate recognition system. Behavioural Processes, 2009, 80, 20-27.	1.1	35
60	Polymerase chain reaction multiplexing of microsatellites and single nucleotide polymorphism markers for quantitative trait loci mapping of wild house mice. Molecular Ecology Resources, 2009, 9, 140-143.	4.8	6
61	Raciation and speciation in house mice from the Alps: the role of chromosomes. Molecular Ecology, 2008, 10, 613-625.	3.9	49
62	Genetic conflict outweighs heterogametic incompatibility in the mouse hybrid zone?. BMC Evolutionary Biology, 2008, 8, 271.	3.2	94
63	Can microsatellite markers resolve phylogenetic relationships between closely related crested newt species (Triturus cristatus superspecies)?. Amphibia - Reptilia, 2007, 28, 467-474.	0.5	4
64	Development of Unique House Mouse Resources Suitable for Evolutionary Studies of Speciation. Journal of Heredity, 2007, 99, 34-44.	2.4	61
65	GENETIC ANALYSIS OF AUTOSOMAL AND X-LINKED MARKERS ACROSS A MOUSE HYBRID ZONE. Evolution; International Journal of Organic Evolution, 2007, 61, 746-771.	2.3	201
66	The Strength of Direct Selection against Female Promiscuity Is Associated with Rates of Extrapair Fertilizations in Socially Monogamous Songbirds. American Naturalist, 2006, 167, 739-744.	2.1	39
67	The role of salivary androgen-binding protein in reproductive isolation between two subspecies of house mouse: Mus musculus musculus and Mus musculus domesticus. Biological Journal of the Linnean Society, 2005, 84, 349-361.	1.6	49
68	Mitochondrial DNA in the hybrid zone between Mus musculus musculus and Mus musculus domesticus: a comparison of two transects. Biological Journal of the Linnean Society, 2005, 84, 363-378.	1.6	53
69	Does geography matter in hybrid sterility in house mice?. Biological Journal of the Linnean Society, 2005, 84, 663-674.	1.6	58
70	Choosing mates: complementary versus compatible genes. Trends in Ecology and Evolution, 2005, 20, 63-63.	8.7	14
71	The tobacco mouse and its relatives: a â€œtailâ€•of coat colors, chromosomes, hybridization and speciation. Cytogenetic and Genome Research, 2004, 105, 395-405.	1.1	24
72	The mammalian model for population studies of B chromosomes: the wood mouse (Apodemus). Cytogenetic and Genome Research, 2004, 106, 264-270.	1.1	33

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73	Possible heterotic effects of B chromosomes on body mass in a population of Apodemus flavicollis. Canadian Journal of Zoology, 2003, 81, 1312-1317.	1.0	23
74	Molecular identification of three crested newt species (Triturus cristatus superspecies) by RAPD markers. Amphibia - Reptilia, 2003, 24, 201-207.	0.5	6
75	Evolution of the chromosomal races ofMus musculus domesticusin the Rhaetian Alps: the roles of whole-arm reciprocal translocation and zonal raciation. Biological Journal of the Linnean Society, 1997, 62, 255-278.	1.6	60
76	The Spread of an Advantageous Allele Across a Barrier: The Effects of Random Drift and Selection Against Heterozygotes. Genetics, 1997, 145, 493-504.	2.9	144
77	Extension of the known range of Triturus dobrogicus: electrophoretic and morphological evidence for presence in the Czech Republic. Amphibia - Reptilia, 1994, 15, 329-335.	0.5	4
78	Chromosomal variation in the house mouse. Biological Journal of the Linnean Society, 0, 84, 535-563.	1.6	159
79	Recognition of subspecies status mediated by androgen-binding protein (ABP) in the evolution of incipient reinforcement on the European house mouse hybrid zone. , 0, , 150-190.		10
80	Linkage disequilibrium approaches for detecting hybrid zone movement. , 0, , 504-518.		0