

# Sbastien J Puechmaille

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91  
papers

2,810  
citations

29  
h-index

51  
g-index

98  
ext. papers

3,623  
ext. citations

4.6  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
91	The program structure does not reliably recover the correct population structure when sampling is uneven: subsampling and new estimators alleviate the problem. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 608-27	8.4	430
90	Disease alters macroecological patterns of North American bats. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 741-749	6.1	148
89	Considering adaptive genetic variation in climate change vulnerability assessment reduces species range loss projections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10418-10423	11.5	143
88	Pan-European distribution of white-nose syndrome fungus ( <i>Geomyces destructans</i> ) not associated with mass mortality. <i>PLoS ONE</i> , <b>2011</b> , 6, e19167	3.7	136
87	A continental-scale tool for acoustic identification of European bats. <i>Journal of Applied Ecology</i> , <b>2012</b> , 49, 1064-1074	5.8	116
86	White-Nose Syndrome fungus introduced from Europe to North America. <i>Current Biology</i> , <b>2015</b> , 25, R217-R219	13.2	91
85	White-nose syndrome fungus ( <i>Geomyces destructans</i> ) in bat, France. <i>Emerging Infectious Diseases</i> , <b>2010</b> , 16, 290-3	10.2	84
84	Empirical evaluation of non-invasive capture-mark-recapture estimation of population size based on a single sampling session. <i>Journal of Applied Ecology</i> , <b>2007</b> , 44, 843-852	5.8	75
83	Six reference-quality genomes reveal evolution of bat adaptations. <i>Nature</i> , <b>2020</b> , 583, 578-584	50.4	73
82	The shaping of genetic variation in edge-of-range populations under past and future climate change. <i>Ecology Letters</i> , <b>2013</b> , 16, 1258-66	10	72
81	White-nose syndrome: is this emerging disease a threat to European bats?. <i>Trends in Ecology and Evolution</i> , <b>2011</b> , 26, 570-6	10.9	68
80	Growing old, yet staying young: The role of telomeres in bats' exceptional longevity. <i>Science Advances</i> , <b>2018</b> , 4, eaao0926	14.3	66
79	The evolution of sensory divergence in the context of limited gene flow in the bumblebee bat. <i>Nature Communications</i> , <b>2011</b> , 2, 573	17.4	66
78	Nuclear introns outperform mitochondrial DNA in inter-specific phylogenetic reconstruction: Lessons from horseshoe bats (Rhinolophidae: Chiroptera). <i>Molecular Phylogenetics and Evolution</i> , <b>2016</b> , 97, 196-212	4.1	59
77	How and why overcome the impediments to resolution: lessons from rhinolophid and hipposiderid bats. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 313-33	8.3	59
76	Female mate choice can drive the evolution of high frequency echolocation in bats: a case study with <i>Rhinolophus mehelyi</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e103452	3.7	53
75	SARS-Coronavirus ancestor's foot-prints in South-East Asian bat colonies and the refuge theory. <i>Infection, Genetics and Evolution</i> , <b>2011</b> , 11, 1690-702	4.5	51

74	Phylogenetics of a Fungal Invasion: Origins and Widespread Dispersal of White-Nose Syndrome. <i>MBio</i> , <b>2017</b> , 8,	7.8	45
73	SARS-CoV related Betacoronavirus and diverse Alphacoronavirus members found in western old-world. <i>Virology</i> , <b>2018</b> , 517, 88-97	3.6	44
72	Genetic analyses reveal further cryptic lineages within the <i>Myotis nattereri</i> species complex. <i>Mammalian Biology</i> , <b>2012</b> , 77, 224-228	1.6	39
71	Phylogeography and postglacial recolonization of Europe by <i>Rhinolophus hipposideros</i> : evidence from multiple genetic markers. <i>Molecular Ecology</i> , <b>2013</b> , 22, 4055-70	5.7	38
70	Acoustic identification of Mexican bats based on taxonomic and ecological constraints on call design. <i>Methods in Ecology and Evolution</i> , <b>2016</b> , 7, 1082-1091	7.7	37
69	Good DNA from bat droppings. <i>Acta Chiropterologica</i> , <b>2007</b> , 9, 269-276	1	35
68	White-Nose Syndrome in Bats <b>2016</b> , 245-262		34
67	Systematics of the <i>Hipposideros turpis</i> complex and a description of a new subspecies from Vietnam. <i>Mammal Review</i> , <b>2012</b> , 42, 166-192	5	31
66	Skin lesions in European hibernating bats associated with <i>Geomyces destructans</i> , the etiologic agent of white-nose syndrome. <i>PLoS ONE</i> , <b>2013</b> , 8, e74105	3.7	31
65	Longitudinal comparative transcriptomics reveals unique mechanisms underlying extended healthspan in bats. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1110-1120	12.3	29
64	Bats Are Acoustically Attracted to Mutualistic Carnivorous Plants. <i>Current Biology</i> , <b>2015</b> , 25, 1911-6	6.3	29
63	A Potent Anti-Inflammatory Response in Bat Macrophages May Be Linked to Extended Longevity and Viral Tolerance. <i>Acta Chiropterologica</i> , <b>2017</b> , 19, 219-228	1	29
62	Scale-dependent effects of landscape variables on gene flow and population structure in bats. <i>Diversity and Distributions</i> , <b>2014</b> , 20, 1173-1185	5	27
61	Horseshoe Bats Recognise the Sex of Conspecifics from Their Echolocation Calls. <i>Acta Chiropterologica</i> , <b>2012</b> , 14, 161-166	1	25
60	Empirical Assessment of Non-Invasive Population Genetics in Bats: Comparison of DNA Quality from Faecal and Tissue Samples. <i>Acta Chiropterologica</i> , <b>2012</b> , 14, 45-52	1	24
59	Major roads have important negative effects on insectivorous bat activity. <i>Biological Conservation</i> , <b>2019</b> , 235, 53-62	6.2	23
58	A nonlethal sampling method to obtain, generate and assemble whole blood transcriptomes from small, wild mammals. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 150-62	8.4	23
57	Biogeography of Old World emballonurine bats (Chiroptera: Emballonuridae) inferred with mitochondrial and nuclear DNA. <i>Molecular Phylogenetics and Evolution</i> , <b>2012</b> , 64, 204-11	4.1	21

56	Towards Navigating the Minotaur's Labyrinth: Cryptic Diversity and Taxonomic Revision within the Speciose Genus <i>Hipposideros</i> (Hipposideridae). <i>Acta Chiropterologica</i> , <b>2017</b> , 19, 1-18	1	20
55	Characterization of 14 polymorphic microsatellite loci for the lesser horseshoe bat, <i>Rhinolophus hipposideros</i> (Rhinolophidae, Chiroptera). <i>Molecular Ecology Notes</i> , <b>2005</b> , 5, 941-944		20
54	Is there a link between aging and microbiome diversity in exceptional mammalian longevity?. <i>PeerJ</i> , <b>2018</b> , 6, e4174	3.1	20
53	Population level mitogenomics of long-lived bats reveals dynamic heteroplasmy and challenges the Free Radical Theory of Ageing. <i>Scientific Reports</i> , <b>2018</b> , 8, 13634	4.9	20
52	A new species of the <i>Miniopterus schreibersii</i> species complex (Chiroptera: Miniopteridae) from the Maghreb Region, North Africa. <i>Zootaxa</i> , <b>2014</b> , 3794, 108-24	0.5	19
51	Drivers of longitudinal telomere dynamics in a long-lived bat species, <i>Myotis myotis</i> . <i>Molecular Ecology</i> , <b>2020</b> , 29, 2963-2977	5.7	16
50	A new species of <i>Hipposideros</i> (Chiroptera: Hipposideridae) from Vietnam. <i>Journal of Mammalogy</i> , <b>2012</b> , 93, 1-11	1.8	16
49	Combining noninvasive genetics and a new mammalian sex-linked marker provides new tools to investigate population size, structure and individual behaviour: An application to bats. <i>Molecular Ecology Resources</i> , <b>2018</b> , 18, 217-228	8.4	15
48	Two New Cryptic Bat Species within the <i>Myotis nattereri</i> Species Complex (Vespertilionidae, Chiroptera) from the Western Palaearctic. <i>Acta Chiropterologica</i> , <b>2019</b> , 20, 285	1	15
47	The Effects of Human-Mediated Habitat Fragmentation on a Sedentary Woodland-Associated Species ( <i>Rhinolophus hipposideros</i> ) at Its Range Margin. <i>Acta Chiropterologica</i> , <b>2016</b> , 18, 377	1	14
46	Factors Affecting Geographic Variation in Echolocation Calls of the Endemic <i>Myotis davidii</i> in China. <i>Ethology</i> , <b>2013</b> , 119, 881-890	1.7	14
45	Conspecific and heterospecific social groups affect each other's resource use: a study on roost sharing among bat colonies. <i>Animal Behaviour</i> , <b>2017</b> , 123, 329-338	2.8	13
44	Circum-Mediterranean phylogeography of a bat coupled with past environmental niche modeling: A new paradigm for the recolonization of Europe?. <i>Molecular Phylogenetics and Evolution</i> , <b>2016</b> , 99, 323-336	4.1	12
43	Phylogeny of the Emballonurini (Emballonuridae) with descriptions of a new genus and species from Madagascar. <i>Journal of Mammalogy</i> , <b>2012</b> , 93, 1440-1455	1.8	12
42	Evidence for genetic variation in Natterer's bats ( <i>Myotis nattereri</i> ) across three regions in Germany but no evidence for co-variation with their associated astroviruses. <i>BMC Evolutionary Biology</i> , <b>2017</b> , 17, 5	3	11
41	Which temporal resolution to consider when investigating the impact of climatic data on population dynamics? The case of the lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> ). <i>Oecologia</i> , <b>2017</b> , 184, 749-761	2.9	11
40	Further Evidence for Cryptic North-Western Refugia in Europe? Mitochondrial Phylogeography of the Sibling Species <i>Pipistrellus pipistrellus</i> and <i>Pipistrellus pygmaeus</i> . <i>Acta Chiropterologica</i> , <b>2014</b> , 16, 263-277	1	11
39	Bat overpasses: An insufficient solution to restore habitat connectivity across roads. <i>Journal of Applied Ecology</i> , <b>2019</b> , 56, 573-584	5.8	11

38	Identifying unusual mortality events in bats: a baseline for bat hibernation monitoring and white-nose syndrome research. <i>Mammal Review</i> , <b>2018</b> , 48, 224-228	5	10
37	Non-invasive genetics can help find rare species: a case study with <i>Rhinolophus mehelyi</i> and <i>R. euryale</i> (Rhinolophidae: Chiroptera) in Western Europe. <i>Mammalia</i> , <b>2014</b> , 78,	1	10
36	Phylogeographic-based conservation implications for the New Zealand long-tailed bat, ( <i>Chalinolobus tuberculatus</i> ): identification of a single ESU and a candidate population for genetic rescue. <i>Conservation Genetics</i> , <b>2016</b> , 17, 1067-1079	2.6	10
35	The patterns and possible causes of global geographical variation in the body size of the greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> ). <i>Journal of Biogeography</i> , <b>2019</b> , 46, 2363-2377	4.1	9
34	A Taxonomic Review of <i>Hipposideros halophyllus</i> , with Additional Information on <i>H. ater</i> and <i>H. cineraceus</i> (Chiroptera: Hipposideridae) from Thailand and Myanmar. <i>Acta Chiropterologica</i> , <b>2010</b> , 12, 29-50	1	8
33	A Taxonomic Review of <i>Rhinolophus coelophyllus</i> Peters 1867 and <i>R. shameli</i> Tate 1943 (Chiroptera: Rhinolophidae) in Continental Southeast Asia. <i>Acta Chiropterologica</i> , <b>2011</b> , 13, 41-59	1	8
32	Effect of Sample Preservation Methods on the Viability of <i>Geomyces destructans</i> , the Fungus Associated with White-Nose Syndrome in Bats. <i>Acta Chiropterologica</i> , <b>2011</b> , 13, 217-221	1	8
31	Population size, distribution, threats and conservation status of two endangered bat species <i>Craseonycteris thonglongyai</i> and <i>Hipposideros turpis</i> . <i>Endangered Species Research</i> , <b>2009</b> , 8, 15-23	2.5	8
30	Six new reference-quality bat genomes illuminate the molecular basis and evolution of bat adaptations		8
29	Bat overpasses as an alternative solution to restore habitat connectivity in the context of road requalification. <i>Ecological Engineering</i> , <b>2019</b> , 131, 34-38	3.9	7
28	Range expansion is associated with increased survival and fecundity in a long-lived bat species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 286, 20190384	4.4	7
27	A rapid PCR-based assay for identification of cryptic <i>Myotis</i> spp. ( <i>M. mystacinus</i> , <i>M. brandtii</i> and <i>M. alcathoe</i> ). <i>Conservation Genetics Resources</i> , <b>2011</b> , 3, 557-563	0.8	7
26	Using Approximate Bayesian Computation to infer sex ratios from acoustic data. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199428	3.7	7
25	Phenotypic plasticity closely linked to climate at origin and resulting in increased mortality under warming and frost stress in a common grass. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 1344-1352	2.8	6
24	Mycobiomes of sympatric <i>Amorphophallus albispatus</i> (Araceae) and <i>Camellia sinensis</i> (Theaceae) – a case study reveals clear tissue preferences and differences in diversity and composition. <i>Mycological Progress</i> , <b>2018</b> , 17, 489-500	1.9	6
23	Patterns of orofacial clefting in the facial morphology of bats: a possible naturally occurring model of cleft palate. <i>Journal of Anatomy</i> , <b>2016</b> , 229, 657-672	2.9	6
22	Resolving a mammal mystery: the identity of <i>Paracoelops megalotis</i> (Chiroptera: Hipposideridae). <i>Zootaxa</i> , <b>2012</b> , 3505, 75	0.5	6
21	Determinants of defence strategies of a hibernating European bat species towards the fungal pathogen <i>Pseudogymnoascus destructans</i> . <i>Developmental and Comparative Immunology</i> , <b>2021</b> , 119, 104017	3.2	6

20	Integrating population genetics to define conservation units from the core to the edge of western range. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 12272-12290	2.8	6
19	The complete mitochondrial genome of the Greater Mouse-Eared bat, <i>Myotis myotis</i> (Chiroptera: Vespertilionidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , <b>2017</b> , 28, 347-349	1.3	5
18	Male-biased dispersal and the potential impact of human-induced habitat modifications on the Neotropical bat. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 6065-6080	2.8	5
17	Characterization of Microsatellites in <i>Pseudogymnoascus destructans</i> for White-nose Syndrome Genetic Analysis. <i>Journal of Wildlife Diseases</i> , <b>2017</b> , 53, 869-874	1.3	4
16	A continent-scale study of the social structure and phylogeography of the bent-wing bat, <i>Miniopterus schreibersii</i> (Mammalia: Chiroptera), using new microsatellite data. <i>Journal of Mammalogy</i> , <b>2019</b> ,	1.8	3
15	Unavailable names in the <i>Myotis nattereri</i> species complex. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 2145-2146	4.1	3
14	Will reduced host connectivity curb the spread of a devastating epidemic?. <i>Molecular Ecology</i> , <b>2015</b> , 24, 5491-4	5.7	3
13	Characterization and multiplex genotyping of 16 polymorphic microsatellite loci in the endangered bumble-bee bat, <i>Craseonycteris thonglongyai</i> (Chiroptera: Craseonycteridae). <i>Conservation Genetics</i> , <b>2009</b> , 10, 1073-1076	2.6	3
12	Did you wash your caving suit? Cavers' role in the potential spread of <i>Pseudogymnoascus destructans</i> , the causative agent of White-Nose Disease. <i>International Journal of Speleology</i> , <b>2020</b> , 49, 149-159	2	3
11	Genetic diversity in a long-lived mammal is explained by the past's demographic shadow and current connectivity. <i>Molecular Ecology</i> , <b>2021</b> , 30, 5048-5063	5.7	3
10	Screening and Biosecurity for White-Nose Fungus <i>Pseudogymnoascus destructans</i> (Ascomycota: Pseudeurotiaceae) in Hawaii. <i>Pacific Science</i> , <b>2019</b> , 73, 357	0.9	2
9	Population-level sensitivity to landscape variables reflects individual-based habitat selection in a woodland bat species		2
8	Seasonal patterns of germination indicate host-pathogen coevolution. <i>Biology Letters</i> , <b>2020</b> , 16, 202001376	3.6	2
7	Mating type determination within a microsatellite multiplex for the fungal pathogen <i>Pseudogymnoascus destructans</i> , the causative agent of white-nose disease in bats. <i>Conservation Genetics Resources</i> , <b>2020</b> , 12, 45-48	0.8	2
6	Stabilization of a bat-pitcher plant mutualism. <i>Scientific Reports</i> , <b>2017</b> , 7, 13170	4.9	1
5	A Rapid, in-Situ Minimally-Invasive Technique to Assess Infections with <i>Pseudogymnoascus destructans</i> in Bats. <i>Acta Chiropterologica</i> , <b>2021</b> , 23,	1	1
4	Misconceptions and misinformation about bats and viruses. <i>International Journal of Infectious Diseases</i> , <b>2021</b> , 105, 606-607	10.5	0
3	Heterothermy and antifungal responses in bats. <i>Current Opinion in Microbiology</i> , <b>2021</b> , 62, 61-67	7.9	0

- 2 Mehely<sup>1</sup> Horseshoe Bat *Rhinolophus mehelyi* Matschie, 1901. *Handbook of the Mammals of Europe*, **2020**, 1-28 ○
- 1 Timescale and colony-dependent relationships between environmental conditions and plasma oxidative markers in a long-lived bat species **2020**, 8, coaa083