

# Marco Tschapka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2160699/publications.pdf>

Version: 2024-02-01

118  
papers

5,512  
citations

126907

33  
h-index

91884

69  
g-index

120  
all docs

120  
docs citations

120  
times ranked

8204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. <i>Ecology Letters</i> , 2015, 18, 834-843.	6.4	578
2	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. <i>Nature</i> , 2016, 536, 456-459.	27.8	526
3	Land-use intensification causes multitrophic homogenization of grassland communities. <i>Nature</i> , 2016, 540, 266-269.	27.8	404
4	Climate and land-use interactions shape tropical mountain biodiversity and ecosystem functions. <i>Nature</i> , 2019, 568, 88-92.	27.8	313
5	Human Betacoronavirus 2c EMC/2012 related Viruses in Bats, Ghana and Europe. <i>Emerging Infectious Diseases</i> , 2013, 19, 456-459.	4.3	303
6	Predictors of elevational biodiversity gradients change from single taxa to the multi-taxa community level. <i>Nature Communications</i> , 2016, 7, 13736.	12.8	229
7	Evidence for an Ancestral Association of Human Coronavirus 229E with Bats. <i>Journal of Virology</i> , 2015, 89, 11858-11870.	3.4	204
8	The impact of even-aged and uneven-aged forest management on regional biodiversity of multiple taxa in European beech forests. <i>Journal of Applied Ecology</i> , 2018, 55, 267-278.	4.0	188
9	Multiple forest attributes underpin the supply of multiple ecosystem services. <i>Nature Communications</i> , 2018, 9, 4839.	12.8	182
10	Bats carry pathogenic hepadnaviruses antigenically related to hepatitis B virus and capable of infecting human hepatocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16151-16156.	7.1	154
11	Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. <i>Nature Communications</i> , 2016, 7, 10697.	12.8	125
12	Locally rare species influence grassland ecosystem multifunctionality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150269.	4.0	117
13	Energy density patterns of nectar resources permit coexistence within a guild of Neotropical flower-visiting bats. <i>Journal of Zoology</i> , 2004, 263, 7-21.	1.7	94
14	Specialisation and diversity of multiple trophic groups are promoted by different forest features. <i>Ecology Letters</i> , 2019, 22, 170-180.	6.4	92
15	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. <i>Nature Communications</i> , 2021, 12, 3918.	12.8	81
16	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. <i>Ecology</i> , 2015, 96, 1492-1501.	3.2	75
17	The Importance of Landscape Elements for Bat Activity and Species Richness in Agricultural Areas. <i>PLoS ONE</i> , 2015, 10, e0134443.	2.5	67
18	Chiropterophily: On bat-flowers and flower-bats. <i>Curtis's Botanical Magazine</i> , 2002, 19, 114-125.	0.3	64

#	ARTICLE	IF	CITATIONS
19	Plant and animal functional diversity drive mutualistic network assembly across an elevational gradient. <i>Nature Communications</i> , 2018, 9, 3177.	12.8	63
20	Insights into the assembly rules of a continent-wide multilayer network. <i>Nature Ecology and Evolution</i> , 2019, 3, 1525-1532.	7.8	52
21	The role of echolocation strategies for niche differentiation in bats. <i>Canadian Journal of Zoology</i> , 2018, 96, 171-181.	1.0	51
22	Highly diversified coronaviruses in neotropical bats. <i>Journal of General Virology</i> , 2013, 94, 1984-1994.	2.9	50
23	Finding flowers in the dark: nectar-feeding bats integrate olfaction and echolocation while foraging for nectar. <i>Royal Society Open Science</i> , 2016, 3, 160199.	2.4	47
24	Human-Bat Interactions in Rural West Africa. <i>Emerging Infectious Diseases</i> , 2015, 21, 1418-1421.	4.3	45
25	Frugivorous Bats Maintain Functional Habitat Connectivity in Agricultural Landscapes but Rely Strongly on Natural Forest Fragments. <i>PLoS ONE</i> , 2015, 10, e0120535.	2.5	45
26	Towards the development of general rules describing landscape heterogeneity-multifunctionality relationships. <i>Journal of Applied Ecology</i> , 2019, 56, 168-179.	4.0	42
27	The effect of local land use and loss of forests on bats and nocturnal insects. <i>Ecology and Evolution</i> , 2016, 6, 4289-4297.	1.9	41
28	Follow me: foraging distances of <i>Leptonycteris yerbabuena</i> (Chiroptera: Phyllostomidae) in Sonora determined by fluorescent powder. <i>Journal of Mammalogy</i> , 2018, 99, 306-311.	1.3	41
29	Life in a mosaic landscape: anthropogenic habitat fragmentation affects genetic population structure in a frugivorous bat species. <i>Conservation Genetics</i> , 2013, 14, 925-934.	1.5	39
30	Serological Evidence of Influenza A Viruses in Frugivorous Bats from Africa. <i>PLoS ONE</i> , 2015, 10, e0127035.	2.5	39
31	High Local Diversity of <i>Trypanosoma</i> in a Common Bat Species, and Implications for the Biogeography and Taxonomy of the <i>T. cruzi</i> Clade. <i>PLoS ONE</i> , 2014, 9, e108603.	2.5	38
32	Astrovirus infections induce age-dependent dysbiosis in gut microbiomes of bats. <i>ISME Journal</i> , 2018, 12, 2883-2893.	9.8	38
33	Threats from overhunting to the flying fox, <i>Pteropus tonganus</i> , (Chiroptera: Pteropodidae) on Niue Island, South Pacific Ocean. <i>Biological Conservation</i> , 2002, 103, 343-348.	4.1	35
34	Selective Eavesdropping Behaviour in Three Neotropical Bat Species. <i>Ethology</i> , 2013, 119, 66-76.	1.1	35
35	Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. <i>Nature Ecology and Evolution</i> , 2021, 5, 1582-1593.	7.8	35
36	Pollination of the understorey palm <i>Calyptrogyne ghiesbreghtiana</i> by hovering and perching bats. <i>Biological Journal of the Linnean Society</i> , 2003, 80, 281-288.	1.6	33

#	ARTICLE	IF	CITATIONS
37	Phenology, nectar production and visitation behaviour of bats on the flowers of the bromeliad <i>Werauhia gladioliflora</i> in a Costa Rican lowland rain forest. <i>Journal of Tropical Ecology</i> , 2007, 23, 385-395.	1.1	33
38	Nectar uptake in bats using a pumping-tongue mechanism. <i>Science Advances</i> , 2015, 1, e1500525.	10.3	29
39	Habitat use in an assemblage of Central American wandering spiders. <i>Journal of Arachnology</i> , 2013, 41, 151-159.	0.5	27
40	Balancing the Energy Budget in Free-Ranging Male <i>Myotis daubentonii</i> Bats. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 361-369.	1.5	27
41	Diet and Cranial Morphology of <i>Musonycteris harrisoni</i> , a Highly Specialized Nectar-Feeding Bat in Western Mexico. <i>Journal of Mammalogy</i> , 2008, 89, 924-932.	1.3	26
42	Bats Actively Use Leaves as Specular Reflectors to Detect Acoustically Camouflaged Prey. <i>Current Biology</i> , 2019, 29, 2731-2736.e3.	3.9	26
43	Seasonal changes in species composition, resource use and reproductive patterns within a guild of nectar-feeding bats in a west Mexican dry forest. <i>Journal of Tropical Ecology</i> , 2011, 27, 133-145.	1.1	25
44	Morphological specialization influences nectar extraction efficiency of sympatric nectar-feeding bats. <i>Journal of Experimental Biology</i> , 2012, 215, 3989-96.	1.7	25
45	Picky hitchhikers: vector choice leads to directed dispersal and fat-tailed kernels in a passively dispersing mite. <i>Oikos</i> , 2013, 122, 1254-1264.	2.7	24
46	Bat Airway Epithelial Cells: A Novel Tool for the Study of Zoonotic Viruses. <i>PLoS ONE</i> , 2014, 9, e84679.	2.5	24
47	Forests of opportunities and mischief: disentangling the interactions between forests, parasites and immune responses. <i>International Journal for Parasitology</i> , 2016, 46, 571-579.	3.1	23
48	Reproduction of the Bat <i>Glossophaga commissarisi</i> (Phyllostomidae: Glossophaginae) in the Costa Rican Rain Forest During Frugivorous and Nectarivorous Periods. <i>Biotropica</i> , 2005, 37, 409-415.	1.6	22
49	Impacts of oil palm agriculture on phyllostomid bat assemblages. <i>Biodiversity and Conservation</i> , 2015, 24, 3583-3599.	2.6	22
50	Resisting habitat fragmentation: High genetic connectivity among populations of the frugivorous bat <i>Carollia castanea</i> in an agricultural landscape. <i>Agriculture, Ecosystems and Environment</i> , 2014, 185, 9-15.	5.3	21
51	Associations of Forest Type, Parasitism and Body Condition of Two European Passerines, <i>Fringilla coelebs</i> and <i>Sylvia atricapilla</i> . <i>PLoS ONE</i> , 2013, 8, e81395.	2.5	20
52	Flower Mites of <i>Calyptrogyne ghiesbreghtiana</i> (Arecaceae): Evidence for Dispersal Using Pollinating Bats. <i>Biotropica</i> , 2004, 36, 377-381.	1.6	19
53	Bat visits to <i>Marcgravia pittieri</i> and notes on the inflorescence diversity within the genus <i>Marcgravia</i> (Marcgraviaceae). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006, 201, 383-388.	1.2	19
54	Morphology reflects microhabitat preferences in an assemblage of neotropical wandering spiders. <i>Zoomorphology</i> , 2015, 134, 219-236.	0.8	19

#	ARTICLE	IF	CITATIONS
55	Divergent response to forest structure of two mobile vertebrate groups. <i>Forest Ecology and Management</i> , 2018, 415-416, 129-138.	3.2	19
56	Leg structure explains host site preference in bat flies (Diptera: Streblidae) parasitizing neotropical bats (Chiroptera: Phyllostomidae). <i>Parasitology</i> , 2018, 145, 1475-1482.	1.5	19
57	Consequences of fragmentation for Neotropical bats: The importance of the matrix. <i>Biological Conservation</i> , 2020, 252, 108792.	4.1	19
58	Vertical stratification of seed-dispersing vertebrate communities and their interactions with plants in tropical forests. <i>Biological Reviews</i> , 2021, 96, 454-469.	10.4	19
59	Mercury concentrations in bats (Chiroptera) from a gold mining area in the Peruvian Amazon. <i>Ecotoxicology</i> , 2018, 27, 45-54.	2.4	18
60	Biosonar resolving power: echo-acoustic perception of surface structures in the submillimeter range. <i>Frontiers in Physiology</i> , 2014, 5, 64.	2.8	17
61	Guild Structure and Niche Differentiation in Echolocating Bats. <i>Springer Handbook of Auditory Research</i> , 2016, , 141-166.	0.7	17
62	Learning where to feed: the use of social information in flower-visiting Pallas's long-tongued bats ( <i>Glossophaga soricina</i> ). <i>Animal Cognition</i> , 2016, 19, 251-262.	1.8	17
63	How Nectar-Feeding Bats Localize their Food: Echolocation Behavior of <i>Leptonycteris yerbabuenae</i> Approaching Cactus Flowers. <i>PLoS ONE</i> , 2016, 11, e0163492.	2.5	17
64	Desiccation resistance reflects patterns of microhabitat choice in a Central-American assemblage of wandering spiders. <i>Journal of Experimental Biology</i> , 2014, 217, 2789-95.	1.7	16
65	Bats are Not Birds – Different Responses to Human Land-use on a Tropical Mountain. <i>Biotropica</i> , 2015, 47, 497-508.	1.6	16
66	Interaction between MHC diversity and constitution, gut microbiota and Astrovirus infections in a neotropical bat. <i>Molecular Ecology</i> , 2022, 31, 3342-3359.	3.9	16
67	Flexible echolocation behavior of trawling bats during approach of continuous or transient prey cues. <i>Frontiers in Physiology</i> , 2013, 4, 96.	2.8	15
68	Cheating on the mutualistic contract: nutritional gain through seed predation in the frugivorous bat <i>Chiroderma villosum</i> (Phyllostomidae). <i>Journal of Experimental Biology</i> , 2015, 218, 1016-1021.	1.7	15
69	Can extreme MHC class I diversity be a feature of a wide geographic range? The example of Seba's short-tailed bat ( <i>Carollia perspicillata</i> ). <i>Immunogenetics</i> , 2019, 71, 575-587.	2.4	15
70	Pan African phylogeography and palaeodistribution of rousettine fruit bats: Ecogeographic correlation with Pleistocene climate vegetation cycles. <i>Journal of Biogeography</i> , 2019, 46, 2336-2349.	3.0	14
71	Phylogeny- and Abundance-Based Metrics Allow for the Consistent Comparison of Core Gut Microbiome Diversity Indices Across Host Species. <i>Frontiers in Microbiology</i> , 2021, 12, 659918.	3.5	14
72	Bat-fly interactions in Central Panama: host traits relate to modularity in a highly specialised network. <i>Insect Conservation and Diversity</i> , 2021, 14, 686-699.	3.0	14

#	ARTICLE	IF	CITATIONS
73	Parasitization of bats by bat flies (Streblidae) in fragmented habitats. <i>Biotropica</i> , 2020, 52, 488-501.	1.6	14
74	Abiotic and biotic drivers of functional diversity and functional composition of bird and bat assemblages along a tropical elevation gradient. <i>Diversity and Distributions</i> , 2021, 27, 2344-2356.	4.1	13
75	Bird versus bat pollination in the genus <i>Marcgravia</i> and the description of a new species. <i>Curtis's Botanical Magazine</i> , 2002, 19, 104-109.	0.3	12
76	Acoustic traits of bat-pollinated flowers compared to flowers of other pollination syndromes and their echo-based classification using convolutional neural networks. <i>PLoS Computational Biology</i> , 2021, 17, e1009706.	3.2	12
77	Bats and their Bat Flies: Community Composition and Host Specificity on a Pacific Island Archipelago. <i>Acta Chiropterologica</i> , 2018, 20, 161-176.	0.6	10
78	Bromeliads going batty: pollinator partitioning among sympatric chiropterophilous Bromeliaceae. <i>AoB PLANTS</i> , 2019, 11, plz014.	2.3	10
79	The Mexican mouse opossum ( <i>Marmosa mexicana</i> ) as a flower visitor at a neotropical palm. <i>Mammalian Biology</i> , 2009, 74, 76-80.	1.5	9
80	Unusual echolocation behaviour of the common sword-nosed bat <i>Lonchorhina aurita</i> : an adaptation to aerial insectivory in a phyllostomid bat?. <i>Royal Society Open Science</i> , 2019, 6, 182165.	2.4	9
81	Maternal mouth-to-mouth feeding behaviour in flower-visiting bats, but no experimental evidence for transmitted dietary preferences. <i>Behavioural Processes</i> , 2019, 165, 29-35.	1.1	8
82	Host Biology and Anthropogenic Factors Affect Hepadnavirus Infection in a Neotropical Bat. <i>EcoHealth</i> , 2019, 16, 82-94.	2.0	8
83	Land-use intensity and landscape structure drive the acoustic composition of grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2022, 328, 107845.	5.3	8
84	New records of hypopigmentation in two neotropical phyllostomid bat species with different roosting habits ( <i>Uroderma bilobatum</i> , <i>Glossophaga soricina</i> ). <i>Mammalia</i> , 2017, 81, .	0.7	7
85	Male-biased dispersal and the potential impact of human-induced habitat modifications on the Neotropical bat <i>Trachops cirrhosus</i> . <i>Ecology and Evolution</i> , 2018, 8, 6065-6080.	1.9	7
86	Bats and bananas: Simplified diet of the nectar-feeding bat <i>Glossophaga soricina</i> (Phyllostomidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 24, e01254.	2.1	7
87	Distress calls of nectarivorous bats ( <i>Glossophaga soricina</i> ) encode individual and species identity. <i>Bioacoustics</i> , 2021, 30, 253-271.	1.7	7
88	The common noctule bat ( <i>Nyctalus noctula</i> ): population trends from artificial roosts and the effect of biotic and abiotic parameters on the probability of occupation. <i>Journal of Urban Ecology</i> , 2021, 7, .	1.5	7
89	Phylogenetic Patterns in Mouth Posture and Echolocation Emission Behavior of Phyllostomid Bats. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	6
90	Dynamic feeding habits: efficiency of frugivory in a nectarivorous bat. <i>Canadian Journal of Zoology</i> , 2010, 88, 764-773.	1.0	5

#	ARTICLE	IF	CITATIONS
91	Home Range of Noack's Round-Leaf Bat ( <i>Hipposideros aff. ruber</i> ) in an Agricultural Landscape of Central Ghana. <i>Acta Chiropterologica</i> , 2016, 18, 239-247.	0.6	5
92	Isolation and characterization of 11 novel microsatellite loci in a West African leaf-nosed bat, <i>Hipposideros aff. ruber</i> . <i>BMC Research Notes</i> , 2014, 7, 607.	1.4	4
93	New records and range extension of <i>Promops centralis</i> (Chiroptera: Molossidae). <i>Revista Mexicana De Biodiversidad</i> , 2016, 87, 1407-1411.	0.4	4
94	Discrimination of small sugar concentration differences helps the nectar-feeding bat <i>Leptonycteris yerbabuenae</i> cover energetic demands. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	4
95	The masked seducers: Lek courtship behavior in the wrinkle-faced bat <i>Centurio senex</i> (Phyllostomidae). <i>PLoS ONE</i> , 2020, 15, e0241063.	2.5	4
96	Tent use by <i>Vampyressa nymphaea</i> (Chiroptera: Phyllostomidae) in <i>Cecropia insignis</i> (Moraceae) in Costa Rica. <i>Acta Chiropterologica</i> , 2005, 7, 171-174.	0.6	3
97	Jumping the green wall: The use of PNAâ€DNA clamps to enhance microbiome sampling depth in wildlife microbiome research. <i>Ecology and Evolution</i> , 2020, 10, 11779-11786.	1.9	3
98	Effects of landâ€use on fruit bat distribution in different habitats along the slopes of Mt. Kilimanjaro, Tanzania. <i>Biotropica</i> , 2021, 53, 1063-1070.	1.6	3
99	Concordant patterns of genetic, acoustic, and morphological divergence in the West African Old World leafâ€nosed bats of the <i>Hipposideros caffer</i> complex. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 1390-1407.	1.4	3
100	A Faithful Gut: Core Features of Gastrointestinal Microbiota of Long-Distance Migratory Bats Remain Stable despite Dietary Shifts Driving Differences in Specific Bacterial Taxa. <i>Microbiology Spectrum</i> , 2021, 9, e0152521.	3.0	3
101	<sc>NeoBat</sc> Interactions: A data set of batâ€plant interactions in the <sc>Neotropics</sc>. <i>Ecology</i> , 2022, 103, e3640.	3.2	3
102	First Records of Day Roosts of the Nectar-Feeding Bat <i>Lichonycteris obscura</i> (Phyllostomidae:). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.3	2
103	Sensory challenges for trawling bats: Finding transient prey on water surfaces. <i>Journal of the Acoustical Society of America</i> , 2016, 139, 1914-1922.	1.1	2
104	Flight Activity of Noack's Round-Leaf Bat ( <i>Hipposideros</i> cf. <i>ruber</i> ) at Two Caves in Central Ghana, West Africa. <i>Acta Chiropterologica</i> , 2017, 19, 347-355.	0.6	2
105	Vertical distribution of wandering spiders in Central America. <i>Journal of Arachnology</i> , 2018, 46, 13.	0.5	2
106	Visits at artificial RFID flowers demonstrate that juvenile flower-visiting bats perform foraging flights apart from their mothers. <i>Mammalian Biology</i> , 2020, 100, 463-471.	1.5	2
107	Diversity and Conservation of Cave-Roosting Bats in Central Ghana. <i>Tropical Conservation Science</i> , 2021, 14, 194008292110346.	1.2	2
108	Associations of bird and bat species richness with temperature and remote sensingâ€based vegetation structure on a tropical mountain. <i>Biotropica</i> , 2022, 54, 135-145.	1.6	2

#	ARTICLE	IF	CITATIONS
109	Rudimentary finger claws in a flower-visiting phyllostomid bat. <i>Acta Chiropterologica</i> , 2008, 10, 177-178.	0.6	1
110	Potential of Airborne LiDAR Derived Vegetation Structure for the Prediction of Animal Species Richness at Mount Kilimanjaro. <i>Remote Sensing</i> , 2022, 14, 786.	4.0	1
111	Intraspecific variability of nectar attracts different bats: the case of <i>Pseudalcantarea viridiflora</i> , a bromeliad with crepuscular anthesis. <i>Acta Botanica Brasilica</i> , 2021, 35, 597-611.	0.8	1
112	Plate 443. <i>Marcgravia helverseniana</i> . <i>Curtis's Botanical Magazine</i> , 2002, 19, 109-114.	0.3	0
113	Base metal fluxes from fig trees to soil on Barro Colorado Island, Panama: potential contribution of the common frugivorous bat <i>Artibeus jamaicensis</i> . <i>Biogeochemistry</i> , 2016, 130, 13-30.	3.5	0
114	New architecture of leaf-tents in American oil palms ( <i>Elaeis oleifera</i> ) used by Pacific tent-making bat ( <i>Uroderma convexum</i> ) in Panama. <i>Mammalia</i> , 2022, 86, 355-358.	0.7	0
115	Title is missing!. , 2020, 15, e0241063.		0
116	Title is missing!. , 2020, 15, e0241063.		0
117	Title is missing!. , 2020, 15, e0241063.		0
118	Title is missing!. , 2020, 15, e0241063.		0