

Stefano Mammola

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.

102
papers

1,540
citations

20
h-index

35
g-index

131
ext. papers

2,523
ext. citations

4.6
avg, IF

5.73
L-index

#	Paper	IF	Citations
102	Scientists' warning to humanity on insect extinctions. <i>Biological Conservation</i> , 2020 , 242, 108426	6.2	199
101	Scientists' Warning on the Conservation of Subterranean Ecosystems. <i>BioScience</i> , 2019 , 69, 641-650	5.7	97
100	Solutions for humanity on how to conserve insects. <i>Biological Conservation</i> , 2020 , 242, 108427	6.2	90
99	Finding answers in the dark: caves as models in ecology fifty years after Poulson and White. <i>Ecography</i> , 2019 , 42, 1331-1351	6.5	58
98	Climate change may drive cave spiders to extinction. <i>Ecography</i> , 2018 , 41, 233-243	6.5	52
97	Ecology and sampling techniques of an understudied subterranean habitat: the Milieu Souterrain Superficiel (MSS). <i>Die Naturwissenschaften</i> , 2016 , 103, 88	2	50
96	Climate change going deep: The effects of global climatic alterations on cave ecosystems. <i>Infrastructure Asset Management</i> , 2019 , 6, 98-116	1.8	49
95	Fundamental research questions in subterranean biology. <i>Biological Reviews</i> , 2020 , 95, 1855-1872	13.5	47
94	Spiders in caves. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	41
93	Assessing similarity of n-dimensional hypervolumes: Which metric to use?. <i>Journal of Biogeography</i> , 2019 , 46, 2012-2023	4.1	37
92	Applying species distribution models to caves and other subterranean habitats. <i>Ecography</i> , 2018 , 41, 1194-1208	6.5	37
91	Global wildlife trade permeates the Tree of Life. <i>Biological Conservation</i> , 2020 , 247, 108503	6.2	33
90	Niche differentiation in <i>Meta Bourneti</i> and <i>M. menardi</i> (Araneae, Tetragnathidae) with notes on the life history. <i>International Journal of Speleology</i> , 2014 , 43, 343-353	2	30
89	Step back! Niche dynamics in cave-dwelling predators. <i>Acta Oecologica</i> , 2016 , 75, 35-42	1.7	30
88	Towards a taxonomically unbiased European Union biodiversity strategy for 2030. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20202166	4.4	28
87	A synthesis on cave-dwelling spiders in Europe. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2018 , 56, 301-316	1.9	28
86	Extending Janzen's hypothesis to temperate regions: A test using subterranean ecosystems. <i>Functional Ecology</i> , 2019 , 33, 1638-1650	5.6	27

85	The ecological niche of a specialized subterranean spider. <i>Invertebrate Biology</i> , 2016 , 135, 20-30	1	26
84	Alpine endemic spiders shed light on the origin and evolution of subterranean species. <i>PeerJ</i> , 2015 , 3, e1384	3.1	25
83	Record breaking achievements by spiders and the scientists who study them. <i>PeerJ</i> , 2017 , 5, e3972	3.1	25
82	Functional diversity metrics using kernel density n-dimensional hypervolumes. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 986-995	7.7	20
81	Future climate change will severely reduce habitat suitability of the Critically Endangered Chinese giant salamander. <i>Freshwater Biology</i> , 2020 , 65, 971-980	3.1	20
80	Collecting eco-evolutionary data in the dark: Impediments to subterranean research and how to overcome them. <i>Ecology and Evolution</i> , 2021 , 11, 5911-5926	2.8	19
79	Associations between habitat quality, body size and reproductive fitness in the alpine endemic spider <i>Vesubia jugorum</i> . <i>Global Ecology and Biogeography</i> , 2019 , 28, 1325-1335	6.1	18
78	Don't forget subterranean ecosystems in climate change agendas. <i>Nature Climate Change</i> , 2021 , 11, 458-459	4.5	17
77	Ecological speciation in darkness? Spatial niche partitioning in sibling subterranean spiders (Araneae : Linyphiidae : Troglolyphantes). <i>Invertebrate Systematics</i> , 2018 , 32, 1069	1.2	16
76	Rapid poleward distributional shifts in the European cave-dwelling Meta spiders under the influence of competition dynamics. <i>Journal of Biogeography</i> , 2017 , 44, 2789-2797	4.1	15
75	Seasonal dynamics and micro-climatic preference of two Alpine endemic hypogean beetles. <i>International Journal of Speleology</i> , 2015 , 44, 239-249	2	15
74	Environmental filtering and convergent evolution determine the ecological specialization of subterranean spiders. <i>Functional Ecology</i> , 2020 , 34, 1064-1077	5.6	14
73	Local- versus broad-scale environmental drivers of continental -diversity patterns in subterranean spider communities across Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191579	4.4	14
72	An ecological survey of the invertebrate community at the epigeal/hypogean interface. <i>Subterranean Biology</i> , 2021 , 24, 27-52		14
71	Modelling the potential impacts of climate change on the distribution of ichthyoplankton in the Yangtze Estuary, China. <i>Diversity and Distributions</i> , 2020 , 26, 126-137	5	13
70	Explainable artificial intelligence enhances the ecological interpretability of black-box species distribution models. <i>Ecography</i> , 2021 , 44, 199-205	6.5	13
69	Advances in the systematics of the spider genus <i>Troglolyphantes</i> (Araneae, Linyphiidae). <i>Systematics and Biodiversity</i> , 2017 , 15, 307-326	1.7	12
68	Cave spiders choose optimal environmental factors with respect to the generated entropy when laying their cocoon. <i>Scientific Reports</i> , 2015 , 5, 7611	4.9	12

67	Specialized terminology reduces the number of citations of scientific papers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20202581	4.4	12
66	Taxonomic and functional homogenisation of macroinvertebrate communities in recently intermittent Alpine watercourses. <i>Freshwater Biology</i> , 2020 , 65, 2096-2107	3.1	11
65	Unexpected diversity in the relictual European spiders of the genus Pimoa (Araneae : Pimoidae). <i>Invertebrate Systematics</i> , 2016 , 30, 566	1.2	11
64	Daylight and seasonal variations of a subterranean invertebrate community in the twilight zone. <i>Subterranean Biology</i> , 2017 , 27, 31-51		10
63	A conservation roadmap for the subterranean biome. <i>Conservation Letters</i> , e12834	6.9	10
62	Getting the most out of the hotspot: For practical conservation of groundwater biodiversity. <i>Global Ecology and Conservation</i> , 2021 , 31, e01844	2.8	10
61	Social Media and Large Carnivores: Sharing Biased News on Attacks on Humans. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	9
60	Modelling the future spread of native and alien congeneric species in subterranean habitats: The case of Meta cave-dwelling spiders in Great Britain. <i>International Journal of Speleology</i> , 2017 , 46, 427-437		9
59	To invade or not to invade? Exploring the niche-based processes underlying the failure of a biological invasion using the invasive Chinese mitten crab. <i>Science of the Total Environment</i> , 2020 , 728, 138815	10.2	9
58	Concepts and applications in functional diversity. <i>Functional Ecology</i> , 2021 , 35, 1869-1885	5.6	9
57	On Deepest Caves, Extreme Habitats, and Ecological Superlatives. <i>Trends in Ecology and Evolution</i> , 2020 , 35, 469-472	10.9	8
56	Distributional dynamics of a specialized subterranean community oppose the classical understanding of the preferred subterranean habitats. <i>Invertebrate Biology</i> , 2019 , 138, e12254	1	8
55	Towards establishment of a centralized spider traits database. <i>Journal of Arachnology</i> , 2020 , 48,	1.1	8
54	Human-induced Alterations of the Mycobiota in an Alpine Show Cave (Italy, SW-Alps). <i>Acta Carsologica</i> , 2017 , 46,	1.7	8
53	The effect of ageing on the mechanical properties of the silk of the bridge spider <i>Larinioides cornutus</i> (Clerck, 1757). <i>Scientific Reports</i> , 2016 , 6, 24699	4.9	8
52	Artificial lighting triggers the presence of urban spiders and their webs on historical buildings. <i>Landscape and Urban Planning</i> , 2018 , 180, 187-194	7.7	8
51	Nesting strategies affect altitudinal distribution and habitat use in Alpine dung beetle communities. <i>Ecological Entomology</i> , 2015 , 40, 372-380	2.1	7
50	Niche-based processes explaining the distributions of closely related subterranean spiders. <i>Journal of Biogeography</i> , 2021 , 48, 118-133	4.1	7

49	Spider conservation in Europe: a review. <i>Biological Conservation</i> , 2021 , 256, 109020	6.2	6
48	Lineage-level distribution models lead to more realistic climate change predictions for a threatened crayfish. <i>Diversity and Distributions</i> , 2021 , 27, 684-695	5	6
47	Towards evidence-based conservation of subterranean ecosystems.. <i>Biological Reviews</i> , 2022 ,	13.5	6
46	Species conservation profile of the alpine stenoendemic spider (Araneae, Lycosidae) from the Maritime Alps. <i>Biodiversity Data Journal</i> , 2016 , e10527	1.8	5
45	Continental data on cave-dwelling spider communities across Europe (Arachnida: Araneae). <i>Biodiversity Data Journal</i> , 2019 , 7, e38492	1.8	5
44	Let research on subterranean habitats resonate!. <i>Subterranean Biology</i> , 36, 63-71		5
43	Plant scientists' research attention is skewed towards colourful, conspicuous and broadly distributed flowers. <i>Nature Plants</i> , 2021 , 7, 574-578	11.5	5
42	Impact of the reference list features on the number of citations. <i>Scientometrics</i> , 2021 , 126, 785-799	3	5
41	Does weighting presence records improve the performance of species distribution models? A test using fish larval stages in the Yangtze Estuary. <i>Science of the Total Environment</i> , 2020 , 741, 140393	10.2	4
40	Climatic stability, not average habitat temperature, determines thermal tolerance of subterranean beetles.. <i>Ecology</i> , 2022 ,	4.6	4
39	Species conservation profile of the stenoendemic cave spider (Araneae, Pimoidae) from the Varaita valley (NW-Italy). <i>Biodiversity Data Journal</i> , 2017 , e11509	1.8	4
38	Specialized terminology limits the reach of new scientific knowledge		4
37	Habitat differences filter functional diversity of low dispersive microscopic animals (Acari, Halacaridae). <i>Hydrobiologia</i> , 2021 , 848, 2681-2698	2.4	4
36	Ecological preference of the diving bell spider <i>Argyroneta aquatica</i> in a resurgence of the Po plain (Northern Italy) (Araneae: Cybaeidae). <i>Fragmenta Entomologica</i> , 2016 , 48, 9	0.4	4
35	Tracking the ice: Subterranean harvestmen distribution matches ancient glacier margins. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2019 , 57, 548-554	1.9	4
34	The World Spider Trait database: a centralized global open repository for curated data on spider traits. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	4
33	Brazilian cave heritage under siege.. <i>Science</i> , 2022 , 375, 1238-1239	33.3	4
32	Automated Discovery of Relationships, Models, and Principles in Ecology. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3.7	3

31	Exploring the Interplay Between Local and Regional Drivers of Distribution of a Subterranean Organism. <i>Diversity</i> , 2019 , 11, 119	2.5	3
30	Towards a taxonomically unbiased EU Biodiversity Strategy for 2030		3
29	Media framing of spiders may exacerbate arachnophobic sentiments. <i>People and Nature</i> , 2020 , 2, 1145-1157	1.57	3
28	Microhabitat selection of a Sicilian subterranean woodlouse and its implications for cave management. <i>International Journal of Speleology</i> , 2021 , 50, 53-63	2	3
27	Intraspecific genetic variation matters when predicting seagrass distribution under climate change. <i>Molecular Ecology</i> , 2021 , 30, 3840-3855	5.7	3
26	Cave Communities and Species Interactions. <i>Ecological Studies</i> , 2018 , 255-267	1.1	3
25	Systematics, ecology and distribution of the mygalomorph spider genus <i>Cteniza</i> Latreille, 1829 (Araneae, Mygalomorphae, Ctenizidae). <i>Zootaxa</i> , 2019 , 4550, 499-524	0.5	2
24	Exploring the homogeneity of terrestrial subterranean communities at a local spatial scale. <i>Ecological Entomology</i> , 2020 , 45, 1053-1062	2.1	2
23	Taxonomy, ecology and conservation of the cave-dwelling spider <i>Histopona palaeolithica</i> , with the description of <i>H. petrovi</i> sp. nov. (Araneae: Agelenidae). <i>Journal of Arachnology</i> , 2019 , 47, 317	1.1	2
22	Collecting eco-evolutionary data in the dark: Impediments to subterranean research and how to overcome them		2
21	Challenges and opportunities of species distribution modelling of terrestrial arthropod predators. <i>Diversity and Distributions</i> , 2021 , 27, 2596	5	2
20	Functional diversity metrics using kernel density n-dimensional hypervolumes		2
19	Alien Crayfish Species in the Deep Subalpine Lake Maggiore (NW-Italy), with a Focus on the Biometry and Habitat Preferences of the Spiny-Cheek Crayfish. <i>Water (Switzerland)</i> , 2020 , 12, 1391	3	2
18	Exploring ecological specialization in pipefish using genomic, morphometric and ecological evidence. <i>Diversity and Distributions</i> , 2021 , 27, 1393-1406	5	2
17	A trade-off between latitude and elevation contributes to explain range segregation of broadly distributed cave-dwelling spiders. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021 , 59, 370-375	1.9	2
16	The promise and perils of engineering cave climates: Response to Turner et al. .. <i>Conservation Biology</i> , 2022 , e13927	6	2
15	Scientometric correlates of high-quality reference lists in ecological papers		1
14	Standardised spider (Arachnida, Araneae) inventory of Kilpisjärvi, Finland. <i>Biodiversity Data Journal</i> , 2020 , 8, e56486	1.8	1

13	Habitat differences filter functional diversity of low dispersive microscopic animals		1
12	Integrating Multiple Lines of Evidence to Explore Intraspecific Variability in a Rare Endemic Alpine Plant and Implications for Its Conservation. <i>Plants</i> , 2020 , 9,	4.5	1
11	Global distribution of microwhip scorpions (Arachnida: Palpigradi). <i>Journal of Biogeography</i> , 2021 , 48, 1518-1529	4.1	1
10	The use of the term "limnology" and its scientometrics consequences for limnologists. <i>Journal of Limnology</i> ,	1.5	1
9	Potential niche displacement in species of aquatic bdelloid rotifers between temperate and tropical areas. <i>Hydrobiologia</i> , 2021 , 848, 4903-4918	2.4	1
8	Rarity facets of biodiversity: Integrating Zeta diversity and Dark diversity to understand the nature of commonness and rarity. <i>Ecology and Evolution</i> , 2021 , 11, 13912-13919	2.8	1
7	An expert-curated global database of online newspaper articles on spiders and spider bites.. <i>Scientific Data</i> , 2022 , 9, 109	8.2	1
6	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China – Pan-Eurasian Experiment (PEEX) programme perspective. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4413-4469	6.8	1
5	An inventory of the spider species of Barcelonnette (France), with taxonomic notes on Piniphantes agnellus n. comb. (Araneae, Linyphiidae). <i>Zoosystema</i> , 2019 , 41, 29	0.7	0
4	Climate and landscape changes enhance the global spread of a bloom-forming dinoflagellate related to fish kills and water quality deterioration. <i>Ecological Indicators</i> , 2021 , 133, 108408	5.8	0
3	A multi-layered approach uncovers overlooked taxonomic and physiological diversity in Alpine subterranean spiders (Araneae: Linyphiidae: Troglolyphantes). <i>Invertebrate Systematics</i> , 2022 , 36, 354	1.2	0
2	Global response of conservationists across mass media likely constrained bat persecution due to COVID-19. <i>Biological Conservation</i> , 2022 , 109591	6.2	0
1	Niche Partitioning at Emergence of Two Syntopic Dragonflies. <i>Ecologies</i> , 2021 , 2, 16-26	0.3	