Sven Bacher

List of Publications by Year
in descending order

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131	22,101	44069 48	26613 107
papers	citations	h-index	g-index

136	136	136	22714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Consensus and controversy in the discipline of invasion science. Conservation Biology, 2022, 36, .	4.7	18
2	General trends of different inter-row vegetation management affecting vine vigor and grape quality across European vineyards. Agriculture, Ecosystems and Environment, 2022, 338, 108073.	5.3	8
3	Are species more harmful in their native, neonative or alien range? Insights from a global analysis of bark beetles. Diversity and Distributions, 2022, 28, 1832-1849.	4.1	8
4	Ranking alien species based on their risks of causing environmental impacts: A global assessment of alien ungulates. Global Change Biology, 2021, 27, 1003-1016.	9.5	21
5	Standard non-target tests for risk assessment of plant protection products are unsuitable for entomopathogenic fungiâ€"a proposal for a new protocol. Journal of Soils and Sediments, 2021, 21, 2357-2368.	3.0	3
6	Distance to native climatic niche margins explains establishment success of alien mammals. Nature Communications, 2021, 12, 2353.	12.8	25
7	Biodiversity effects on grape quality depend on variety and management intensity. Journal of Applied Ecology, 2021, 58, 1442-1454.	4.0	6
8	Alternative futures for global biological invasions. Sustainability Science, 2021, 16, 1637-1650.	4.9	25
9	Preventive field application of Metarhizium brunneum in cover crops for wireworm control. Crop Protection, 2021, 150, 105811.	2.1	9
10	Projecting the continental accumulation of alien species through to 2050. Global Change Biology, 2021, 27, 970-982.	9.5	327
11	Co-formulation of Beauveria bassiana with natural substances to control pollen beetles â€“ Synergy between fungal spores and colza oil. Biological Control, 2020, 140, 104106.	3.0	9
12	Drivers of future alien species impacts: An expertâ€based assessment. Global Change Biology, 2020, 26, 4880-4893.	9.5	145
13	Invasion costs, impacts, and human agency: response to Sagoff 2020. Conservation Biology, 2020, 34, 1579-1582.	4.7	26
14	Horizon Scanning to Predict and Prioritize Invasive Alien Species With the Potential to Threaten Human Health and Economies on Cyprus. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	21
15	Invasion syndromes: a systematic approach for predicting biological invasions and facilitating effective management. Biological Invasions, 2020, 22, 1801-1820.	2.4	83
16	Functional similarity and dissimilarity facilitate alien plant invasiveness along biotic and abiotic gradients in an arid protected area. Biological Invasions, 2020, 22, 1997-2016.	2.4	15
17	Scientists' warning on invasive alien species. Biological Reviews, 2020, 95, 1511-1534.	10.4	928
18	Distinct Biogeographic Phenomena Require a Specific Terminology: A Reply to Wilson and Sagoff. BioScience, 2020, 70, 112-114.	4.9	5

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19	Independent introductions of hedgehogs to the North and South Island of New Zealand. New Zealand Journal of Ecology, 2020, 44, .	1.1	0
20	Research questions to facilitate the future development of European long-term ecosystem research infrastructures: A horizon scanning exercise. Journal of Environmental Management, 2019, 250, 109479.	7.8	13
21	A Conceptual Framework for Range-Expanding Species that Track Human-Induced Environmental Change. BioScience, 2019, 69, 908-919.	4.9	113
22	Reduced caterpillar damage can benefit plant bugs in Bt cotton. Scientific Reports, 2019, 9, 2727.	3.3	9
23	Efficiency of natural substances to protect Beauveria bassiana conidia from UV radiation. Pest Management Science, 2019, 75, 556-563.	3.4	45
24	Developing a list of invasive alien species likely to threaten biodiversity and ecosystems in the European Union. Global Change Biology, 2019, 25, 1032-1048.	9.5	117
25	Global rise in emerging alien species results from increased accessibility of new source pools. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2264-E2273.	7.1	416
26	A local risk map using field observations of the Asian longhorned beetle to optimize monitoring activities. Journal of Applied Entomology, 2018, 142, 578-588.	1.8	5
27	More than â€œ100 worstâ€•alien species in Europe. Biological Invasions, 2018, 20, 1611-1621.	2.4	200
28	Re-establishment of Protea repens after clearing invasive Acacia saligna: Consequences of soil legacy effects and a native nitrophilic weedy species. South African Journal of Botany, 2018, 116, 103-109.	2.5	10
29	Developing a framework of minimum standards for the risk assessment of alien species. Journal of Applied Ecology, 2018, 55, 526-538.	4.0	141
30	Socioâ€economic impact classification of alien taxa (<scp>SEICAT</scp>). Methods in Ecology and Evolution, 2018, 9, 159-168.	5.2	244
31	Biodiversity assessments: Origin matters. PLoS Biology, 2018, 16, e2006686.	5.6	52
32	Which Taxa Are Alien? Criteria, Applications, and Uncertainties. BioScience, 2018, 68, 496-509.	4.9	153
33	Assessing the socio-economic impacts of priority marine invasive fishes in the Mediterranean with the newly proposed SEICAT methodology. Mediterranean Marine Science, 2018, 19, 107.	1.6	41
34	A vision for global monitoring of biological invasions. Biological Conservation, 2017, 213, 295-308.	4.1	178
35	No saturation in the accumulation of alien species worldwide. Nature Communications, 2017, 8, 14435.	12.8	1,543
36	A simple inÂvitro method to study interactions between soil insects, entomopathogenic fungi, and plant extracts. Entomologia Experimentalis Et Applicata, 2017, 163, 315-327.	1.4	5

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37	Preventive application of an entomopathogenic fungus in cover crops for wireworm control. BioControl, 2017, 62, 613-623.	2.0	23
38	Blurring Alien Introduction Pathways Risks Losing the Focus on Invasive Species Policy. Conservation Letters, 2017, 10, 265-266.	5.7	16
39	Ã–kologie kompakt. , 2017, , .		1
40	The generic impact scoring system (GISS): a standardized tool to quantify the impacts of alien species. Environmental Monitoring and Assessment, 2016, 188, 315.	2.7	88
41	Framework and guidelines for implementing the proposed <scp>IUCN</scp> Environmental Impact Classification for Alien Taxa (<scp>EICAT</scp>). Diversity and Distributions, 2015, 21, 1360-1363.	4.1	184
42	Ecological Impacts of Alien Species: Quantification, Scope, Caveats, and Recommendations. BioScience, 2015, 65, 55-63.	4.9	301
43	Crossing Frontiers in Tackling Pathways of Biological Invasions. BioScience, 2015, 65, 769-782.	4.9	202
44	Intraspecific Trait Variation Is Correlated with Establishment Success of Alien Mammals. American Naturalist, 2015, 185, 737-746.	2.1	47
45	Comparing impacts of alien plants and animals in <scp>E</scp>urope using a standard scoring system. Journal of Applied Ecology, 2015, 52, 552-561.	4.0	116
46	Higher establishment success in specialized parasitoids: support for the existence of tradeâ€offs in the evolution of specialization. Functional Ecology, 2015, 29, 277-284.	3.6	21
47	A Unified Classification of Alien Species Based on the Magnitude of their Environmental Impacts. PLoS Biology, 2014, 12, e1001850.	5.6	648
48	Quantifying invasion risk: the relationship between establishment probability and founding population size. Methods in Ecology and Evolution, 2014, 5, 1255-1263.	5.2	62
49	Quarantine arthropod invasions in Europe: the role of climate, hosts and propagule pressure. Diversity and Distributions, 2014, 20, 84-94.	4.1	74
50	Defining the Impact of Nonâ€Native Species. Conservation Biology, 2014, 28, 1188-1194.	4.7	308
51	Virulence of inÂvivo and inÂvitro produced conidia of Metarhizium brunneum strains for control of wireworms. Crop Protection, 2014, 64, 137-142.	2.1	27
52	QUES, a new Phaseolus vulgaris genotype resistant to common bean weevils, contains the Arcelin-8 allele coding for new lectin-related variants. Theoretical and Applied Genetics, 2013, 126, 647-661.	3.6	33
53	Addressing a critique of the TEASI framework for invasive species risk assessment. Ecology Letters, 2013, 16, 1415-e6.	6.4	4
54	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. Ecography, 2013, 36, 27-46.	4.5	6,250

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55	What determines the impact of alien birds and mammals in Europe?. Biological Invasions, 2013, 15, 785-797.	2.4	35
56	Bottom-Up and Top-Down Effects Influence Bruchid Beetle Individual Performance but Not Population Densities in the Field. PLoS ONE, 2013, 8, e55317.	2.5	23
57	Two Shoot-Miners,Ceutorhynchus alliariaeandCeutorhynchus roberti, Sharing the Same Fundamental Niche on Garlic Mustard. Environmental Entomology, 2012, 41, 1086-1096.	1.4	1
58	Still not enough taxonomists: reply to Joppa et al.. Trends in Ecology and Evolution, 2012, 27, 65-66.	8.7	54
59	TEASIng apart alien species risk assessments: a framework for best practices. Ecology Letters, 2012, 15, 1475-1493.	6.4	241
60	Ratio-dependent predation in a field experiment with wasps. Ecosphere, 2012, 3, art124.	2.2	10
61	Gaps in Border Controls Are Related to Quarantine Alien Insect Invasions in Europe. PLoS ONE, 2012, 7, e47689.	2.5	98
62	Which Factors Affect the Success or Failure of Eradication Campaigns against Alien Species?. PLoS ONE, 2012, 7, e48157.	2.5	112
63	When are eradication campaigns successful? A test of common assumptions. Biological Invasions, 2012, 14, 1365-1378.	2.4	132
64	New protocols to assess the environmental impact of pests in the EPPO decisionâ€support scheme for pest risk analysis*. EPPO Bulletin, 2012, 42, 21-27.	0.8	36
65	Species Richness-Environment Relationships of European Arthropods at Two Spatial Grains: Habitats and Countries. PLoS ONE, 2012, 7, e45875.	2.5	13
66	GroÃŸlebensrÃume der Erde. , 2012, , 257-274.		0
67	Wechselwirkungen zwischen verschiedenen Arten. , 2012, , 97-172.		0
68	Ã–kologie kompakt. , 2012, , .		2
69	Non-natives: 141 scientists object. Nature, 2011, 475, 36-36.	27.8	197
70	A proposed unified framework for biological invasions. Trends in Ecology and Evolution, 2011, 26, 333-339.	8.7	1,762
71	Diet choice of a predator in the wild: overabundance of prey and missed opportunities along the prey capture sequence. Ecosphere, 2011, 2, art133.	2.2	24
72	10.1023/A:1020367721299. , 2011, , .		2

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73	Temporal and spatial variations in the parasitoid complex of the horse chestnut leafminer during its invasion of Europe. Biological Invasions, 2010, 12, 2797-2813.	2.4	48
74	Impact of flower-dwelling crab spiders on plant-pollinator mutualisms. Basic and Applied Ecology, 2010, 11, 76-82.	2.7	39
75	A Generic Impactâ€Scoring System Applied to Alien Mammals in Europe. Conservation Biology, 2010, 24, 302-311.	4.7	141
76	Body sizeâ€“climate relationships of European spiders. Journal of Biogeography, 2010, 37, 477-485.	3.0	83
77	Contrasting patterns in the invasions of European terrestrial and freshwater habitats by alien plants, insects and vertebrates. Global Ecology and Biogeography, 2010, 19, 317-331.	5.8	154
78	Ineffective crypsis in a crab spider: a prey community perspective. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 739-746.	2.6	51
79	Disentangling the role of environmental and human pressures on biological invasions across Europe. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12157-12162.	7.1	470
80	How well do we understand the impacts of alien species on ecosystem services? A panâ€European, crossâ€taxa assessment. Frontiers in Ecology and the Environment, 2010, 8, 135-144.	4.0	870
81	Effects of vineyard management on biodiversity at three trophic levels. Biological Conservation, 2010, 143, 1521-1528.	4.1	139
82	Determinants of local ant (Hymenoptera: Formicidae) species richness and activity density across Europe. Ecological Entomology, 2009, 34, 748-754.	2.2	12
83	Water limitation prevails over energy in European diversity gradients of sheetweb spiders (Araneae:) Tj ETQq1 1 0.784314 rgBT /Overlo	2.7	8
84	PRATIQUE: a research project to enhance pest risk analysis techniques in the European Union. EPPO Bulletin, 2009, 39, 87-93.	0.8	52
85	Alien species in a warmer world: risks and opportunities. Trends in Ecology and Evolution, 2009, 24, 686-693.	8.7	1,031
86	Alien Mammals of Europe. , 2009, , 119-128.		42
87	Grasping at the routes of biological invasions: a framework for integrating pathways into policy. Journal of Applied Ecology, 2008, 45, 403-414.	4.0	784
88	Differential effects of flower feeding in an insect hostâ€“parasitoid system. Basic and Applied Ecology, 2008, 9, 709-717.	2.7	16
89	Brain Size Predicts the Success of Mammal Species Introduced into Novel Environments. American Naturalist, 2008, 172, S63-S71.	2.1	382
90	Establishing systemic rust infections inCirsium arvensein the field. Biocontrol Science and Technology, 2008, 18, 209-214.	1.3	7

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91	FUNCTIONAL RESPONSES: A QUESTION OF ALTERNATIVE PREY AND PREDATOR DENSITY. Ecology, 2007, 88, 1300-1308.	3.2	34
92	Niche properties of Central European spiders: shading, moisture and the evolution of the habitat niche. Global Ecology and Biogeography, 2007, 16, 440-448.	5.8	185
93	Insect-Transmitted Urediniospores of the Rust Puccinia punctiformis Cause Systemic Infections in Established Cirsium arvense Plants. Phytopathology, 2006, 96, 813-818.	2.2	15
94	Neighbourhood of host plants influences oviposition decisions of a stem-boring weevil. Basic and Applied Ecology, 2006, 7, 545-554.	2.7	15
95	Predator complex of the horse chestnut leafminer Cameraria ohridella: identification and impact assessment. Journal of Applied Entomology, 2005, 129, 353-362.	1.8	42
96	An experimental test of the nature of predation: neither prey- nor ratio-dependent. Journal of Animal Ecology, 2005, 74, 86-91.	2.8	50
97	Host plant exposure determines larval vulnerability - do prey females know?. Functional Ecology, 2005, 19, 391-395.	3.6	30
98	Picky predators and the function of the faecal shield of a cassidine larva. Functional Ecology, 2005, 19, 263-272.	3.6	33
99	Mass-emergence devices: a biocontrol technique for conservation and augmentation of parasitoids. Biological Control, 2005, 32, 191-199.	3.0	38
100	Detection of shield beetle remains in predators using a monoclonal antibody. Journal of Applied Entomology, 2004, 128, 273-278.	1.8	11
101	How to safely compost Cameraria ohridella-infested horse chestnut leaf litter on private compost heaps. Journal of Applied Entomology, 2004, 128, 707-709.	1.8	12
102	Effects of defoliation by horse chestnut leafminer (Cameraria ohridella) on reproduction in Aesculus hippocastanum. Trees - Structure and Function, 2003, 17, 383-388.	1.9	75
103	Spatial patterns and infestation processes in the horse chestnut leafminer Cameraria ohridella : a tale of two cities. Entomologia Experimentalis Et Applicata, 2003, 107, 25-37.	1.4	46
104	Date of leaf litter removal to prevent emergence of Cameraria ohridella in the following spring. Entomologia Experimentalis Et Applicata, 2003, 107, 159-162.	1.4	39
105	Dynamics of a mutualism in a multi-species context. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1517-1522.	2.6	19
106	Functional response of a generalist insect predator to one of its prey species in the field. Journal of Animal Ecology, 2002, 71, 524-531.	2.8	132
107	Developing in diseased host plants increases survival and fecundity in a stem-boring weevil. Entomologia Experimentalis Et Applicata, 2002, 103, 191-195.	1.4	14
108	Direct and Indirect Effects of a Shoot-Base Boring Weevil and Plant Competition on the Performance of Creeping Thistle, Cirsium arvense. Biological Control, 2001, 22, 219-226.	3.0	53

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109	Mutualistic interaction between a weevil and a rust fungus, two parasites of the weed Cirsium arvense. Oecologia, 2001, 129, 571-576.	2.0	63
110	Effect of Herbivore Density, Timing of Attack and Plant Community on Performance of Creeping Thistle Cirsium arvense (L.) Scop. (Asteraceae). Biocontrol Science and Technology, 2000, 10, 343-352.	1.3	37
111	A Monoclonal Antibody to the Shield Beetle Cassida rubiginosa (Coleoptera, Chrysomelidae): A Tool for Predator Gut Analysis. Biological Control, 1999, 16, 299-309.	3.0	10
112	Leaf Vibrations and Air Movements in a Leafminerâ€"Parasitoid System. Biological Control, 1998, 11, 147-153.	3.0	67
113	Substrate vibrations elicit defensive behaviour in leafminer pupae. Journal of Insect Physiology, 1997, 43, 945-952.	2.0	36
114	Parasitoid vibrations as potential releasing stimulus of evasive behaviour in a leafminer. Physiological Entomology, 1996, 21, 33-43.	1.5	25
115	Scientific and Normative Foundations for the Valuation of Alien-Species Impacts: Thirteen Core Principles. BioScience, 0, , biw160.	4.9	24
116	A conceptual framework for prioritization of invasiveÂalien species for management accordingÂtoÂtheir impact. NeoBiota, 0, 15, 69-100.	1.0	112
117	Troubling travellers: are ecologically harmful alien species associated with particular introduction pathways?. NeoBiota, 0, 32, 1-20.	1.0	58
118	Consistency of impact assessment protocols for non-native species. NeoBiota, 0, 44, 1-25.	1.0	45
119	InvasiBES: Understanding and managing the impacts of Invasive alien species on Biodiversity and Ecosystem Services. NeoBiota, 0, 50, 109-122.	1.0	45
120	Application of the Socio-Economic Impact Classification for Alien Taxa (SEICAT) to a global assessment of alien bird impacts. NeoBiota, 0, 62, 123-142.	1.0	14
121	Appropriate uses of EICAT protocol, data and classifications. NeoBiota, 0, 62, 193-212.	1.0	37
122	Understanding uncertainty in the Impact Classification for Alien Taxa (ICAT) assessments. NeoBiota, 0, 62, 387-405.	1.0	22
123	Improving the Environmental Impact Classification for Alien Taxa (EICAT): a summary of revisions to the framework and guidelines. NeoBiota, 0, 62, 547-567.	1.0	26
124	MAcroecological Framework for Invasive Aliens (MAFIA): disentangling large-scale context dependence in biological invasions. NeoBiota, 0, 62, 407-461.	1.0	66
125	The importance of assessing positive and beneficial impacts of alien species. NeoBiota, 0, 62, 525-545.	1.0	55
126	Frameworks used in invasion science: progress and prospects. NeoBiota, 0, 62, 1-30.	1.0	20

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127	Open minded and open access: introducing NeoBiota, a new peer-reviewed journal of biological invasions. NeoBiota, 0, 9, 1-12.	1.0	9
128	Increasing understanding of alien species through citizen science (Alien-CSI). Research Ideas and Outcomes, 0, 4, .	1.0	30
129	Comparing environmental impacts of alien plants, insects and pathogens in protected riparian forests. NeoBiota, 0, 69, 1-28.	1.0	12
130	Open minded and open access: introducing NeoBiota, a new peer-reviewed journal of biological invasions. NeoBiota, 0, 9, 1-12.	1.0	1
131	Influence of Wireworm Diet on its Susceptibility to and Control with the Entomopathogenic Fungus <i>Metarhizium Brunneum</i> in Laboratory and Field Settings. SSRN Electronic Journal, 0, , .	0.4	0