

Mark W Schwartz

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.

141
papers

9,091
citations

45
h-index

94
g-index

150
ext. papers

10,434
ext. citations

6.1
avg, IF

6.17
L-index

#	Paper	IF	Citations
141	Predicting species distributions for conservation decisions. <i>Ecology Letters</i> , 2013 , 16, 1424-35	10	985
140	A framework for debate of assisted migration in an era of climate change. <i>Conservation Biology</i> , 2007 , 21, 297-302	6	608
139	Linking biodiversity to ecosystem function: implications for conservation ecology. <i>Oecologia</i> , 2000 , 122, 297-305	2.9	508
138	Achieving conservation science that bridges the knowledge-action boundary. <i>Conservation Biology</i> , 2013 , 27, 669-78	6	301
137	The impacts of increasing drought on forest dynamics, structure, and biodiversity in the United States. <i>Global Change Biology</i> , 2016 , 22, 2329-52	11.4	297
136	Multidimensional evaluation of managed relocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 9721-4	11.5	286
135	Rare species loss alters ecosystem function ¶ invasion resistance. <i>Ecology Letters</i> , 2001 , 4, 358-365	10	262
134	A conceptual framework for predicting the effects of urban environments on floras. <i>Journal of Ecology</i> , 2009 , 97, 4-9	6	254
133	Rare Species and Ecosystem Functioning. <i>Conservation Biology</i> , 2005 , 19, 1019-1024	6	248
132	The promise and the potential consequences of the global transport of mycorrhizal fungal inoculum. <i>Ecology Letters</i> , 2006 , 9, 501-15	10	244
131	Vegetation and microclimatic edge effects in two mixed-mesophytic forest fragments. <i>Plant Ecology</i> , 2000 , 147, 21-35	1.7	243
130	Using species distribution models to predict new occurrences for rare plants. <i>Diversity and Distributions</i> , 2009 , 15, 565-576	5	230
129	How fast and far might tree species migrate in the eastern United States due to climate change?. <i>Global Ecology and Biogeography</i> , 2004 , 13, 209-219	6.1	200
128	A global synthesis of plant extinction rates in urban areas. <i>Ecology Letters</i> , 2009 , 12, 1165-73	10	199
127	Predicting extinctions as a result of climate change. <i>Ecology</i> , 2006 , 87, 1611-5	4.6	177
126	Managed Relocation: Integrating the Scientific, Regulatory, and Ethical Challenges. <i>BioScience</i> , 2012 , 62, 732-743	5.7	169
125	SPECIALIZATION AND RESOURCE TRADE: BIOLOGICAL MARKETS AS A MODEL OF MUTUALISMS. <i>Ecology</i> , 1998 , 79, 1029-1038	4.6	150

124	Foundations of translational ecology. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 541-550	5.5	148
123	Choosing the Appropriate Scale of Reserves for Conservation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1999 , 30, 83-108		148
122	Biotic homogenization of the California flora in urban and urbanizing regions. <i>Biological Conservation</i> , 2006 , 127, 282-291	6.2	122
121	Modeling potential future individual tree-species distributions in the eastern United States under a climate change scenario: a case study with <i>Pinus virginiana</i> . <i>Ecological Modelling</i> , 1999 , 115, 77-93	3	112
120	Using niche models with climate projections to inform conservation management decisions. <i>Biological Conservation</i> , 2012 , 155, 149-156	6.2	111
119	Modeling the invasive emerald ash borer risk of spread using a spatially explicit cellular model. <i>Landscape Ecology</i> , 2010 , 25, 353-369	4.3	111
118	The Performance of the Endangered Species Act. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2008 , 39, 279-299	13.5	100
117	Differential response of alpine steppe and alpine meadow to climate warming in the central Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2016 , 223, 233-240	5.8	91
116	Effectiveness of a Vegetation-Based Approach to Insect Conservation. <i>Conservation Biology</i> , 1998 , 12, 693-702	6	90
115	Plant traits and extinction in urban areas: a meta-analysis of 11 cities. <i>Global Ecology and Biogeography</i> , 2011 , 20, 509-519	6.1	87
114	Decision Support Frameworks and Tools for Conservation. <i>Conservation Letters</i> , 2018 , 11, e12385	6.9	84
113	Potential colonization of newly available tree-species habitat under climate change: An analysis for five eastern US species. <i>Landscape Ecology</i> , 2004 , 19, 787-799	4.3	79
112	Bark heat resistance of small trees in Californian mixed conifer forests: testing some model assumptions. <i>Forest Ecology and Management</i> , 2003 , 178, 341-352	3.9	77
111	Modelling effects of habitat fragmentation on the ability of trees to respond to climatic warming. <i>Biodiversity and Conservation</i> , 1993 , 2, 51-61	3.4	75
110	The relationship between an endangered North American tree and an endophytic fungus. <i>Chemistry and Biology</i> , 1995 , 2, 721-7		70
109	Expanding comparative-advantage biological market models: contingency of mutualism on partners' resource requirements and acquisition trade-offs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 913-9	4.4	65
108	Detecting a Species Limit from Pollen in Sediments. <i>Journal of Biogeography</i> , 1991 , 18, 653	4.1	65
107	Woody vegetation structure and composition along a protection gradient in a miombo ecosystem of western Tanzania. <i>Forest Ecology and Management</i> , 2006 , 230, 179-185	3.9	64

106	Taxon size predicts rates of rarity in vascular plants. <i>Ecology Letters</i> , 2001 , 4, 464-469	10	63
105	From Lilliput to Brobdingnag: Extending Models of Mycorrhizal Function across Scales. <i>BioScience</i> , 2006 , 56, 889	5.7	62
104	A resource ratio theory of cooperation. <i>Ecology Letters</i> , 2010 , 13, 349-59	10	61
103	Predicting the Potential Future Distribution of Four Tree Species in Ohio Using Current Habitat Availability and Climatic Forcing. <i>Ecosystems</i> , 2001 , 4, 568-581	3.9	61
102	Responses to Fire in Selected Tropical Dry Forest Trees ¹ . <i>Biotropica</i> , 2006 , 38, 592-598	2.3	55
101	Graduate student's guide to necessary skills for nonacademic conservation careers. <i>Conservation Biology</i> , 2013 , 27, 24-34	6	54
100	Academic research training for a nonacademic workplace: a case study of graduate student alumni who work in conservation. <i>Conservation Biology</i> , 2009 , 23, 1357-68	6	51
99	Effects of management burning on prairie insect species richness within a system of small, highly fragmented reserves. <i>Biological Conservation</i> , 2000 , 96, 363-369	6.2	51
98	Perspectives on the Open Standards for the Practice of Conservation. <i>Biological Conservation</i> , 2012 , 155, 169-177	6.2	49
97	Conservation's Disenfranchised Urban Poor. <i>BioScience</i> , 2002 , 52, 601	5.7	47
96	Assessing the sustainability of harvest of <i>Pterocarpus angolensis</i> in Rukwa Region, Tanzania. <i>Forest Ecology and Management</i> , 2002 , 170, 259-269	3.9	44
95	Natural Distribution and Abundance of Forest Species and Communities in Northern Florida. <i>Ecology</i> , 1994 , 75, 687-705	4.6	42
94	Patterns of rarity and taxonomic group size in plants. <i>Biological Conservation</i> , 2005 , 126, 146-154	6.2	41
93	Predicting tree frequencies from pollen frequency: an attempt to validate the R value method. <i>New Phytologist</i> , 1989 , 112, 129-143	9.8	40
92	Translocation of imperiled species under changing climates. <i>Annals of the New York Academy of Sciences</i> , 2013 , 1286, 15-28	6.5	39
91	Climate change vulnerability assessment of forests in the Southwest USA. <i>Climatic Change</i> , 2018 , 148, 387-402	4.5	38
90	Quantifying plant population persistence in human-dominated landscapes. <i>Conservation Biology</i> , 2008 , 22, 922-8	6	35
89	Navigating translational ecology: creating opportunities for scientist participation. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 578-586	5.5	34

88	Developing a translational ecology workforce. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 587-595	5	34
87	Increasing elevation of fire in the Sierra Nevada and implications for forest change. <i>Ecosphere</i> , 2015 , 6, art121	3.1	34
86	Apparency revisited. <i>Entomologia Experimentalis Et Applicata</i> , 2015 , 157, 74-85	2.1	33
85	The woodland vegetation of the Katavi-Rukwa ecosystem in western Tanzania. <i>Forest Ecology and Management</i> , 2008 , 255, 3382-3395	3.9	33
84	Multiple sources of uncertainty affect metrics for ranking conservation risk under climate change. <i>Diversity and Distributions</i> , 2015 , 21, 111-122	5	32
83	How conservation scientists can help develop social capital for biodiversity. <i>Conservation Biology</i> , 2006 , 20, 1550-2	6	32
82	Recruitment of <i>Pterocarpus angolensis</i> in the wild. <i>Forest Ecology and Management</i> , 2005 , 219, 169-175	3.9	31
81	Complex responses of spring vegetation growth to climate in a moisture-limited alpine meadow. <i>Scientific Reports</i> , 2016 , 6, 23356	4.9	31
80	The impact of climate change uncertainty on California's vegetation and adaptation management. <i>Ecosphere</i> , 2017 , 8, e02021	3.1	30
79	Climatic change controls productivity variation in global grasslands. <i>Scientific Reports</i> , 2016 , 6, 26958	4.9	30
78	Effect of selective logging on tree and understory regeneration in miombo woodland in western Tanzania. <i>African Journal of Ecology</i> , 2003 , 41, 75-82	0.8	28
77	Potential effects of global climate change on the biodiversity of plants. <i>Forestry Chronicle</i> , 1992 , 68, 462-471	4	28
76	Starve a competitor: evolution of luxury consumption as a competitive strategy. <i>Theoretical Ecology</i> , 2012 , 5, 37-49	1.6	26
75	The precautionary principle in managed relocation is misguided advice. <i>Trends in Ecology and Evolution</i> , 2009 , 24, 474; author reply 476-7	10.9	26
74	An experimental demonstration of stem damage as a predictor of fire-caused mortality for ponderosa pine. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 1343-1347	1.9	26
73	Advances in climate models from CMIP3 to CMIP5 do not change predictions of future habitat suitability for California reptiles and amphibians. <i>Climatic Change</i> , 2016 , 134, 579-591	4.5	25
72	The effects of cultivation history on forest recovery in fallows in the Eastern Arc Mountain, Tanzania. <i>Forest Ecology and Management</i> , 2011 , 261, 1042-1052	3.9	25
71	Rare plants at the extremes of distribution: broadly and narrowly distributed rare species. <i>Biodiversity and Conservation</i> , 2005 , 14, 1401-1420	3.4	25

70	Warming and precipitation addition interact to affect plant spring phenology in alpine meadows on the central Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2020 , 287, 107943	5.8	23
69	Policy Relevant Conservation Science. <i>Conservation Letters</i> , 2015 , 8, 309-311	6.9	23
68	The Catastrophic Loss of <i>Torreya Taxifolia</i> : Assessing Environmental Induction of Disease Hypotheses 1995 , 5, 501-516		21
67	Tropical dry forest trees and the relationship between local abundance and geographic range. <i>Journal of Biogeography</i> , 2010 , 37, 951-959	4.1	20
66	The search for pattern among rare plants: Are primitive species more likely to be rare?. <i>Biological Conservation</i> , 1993 , 64, 121-127	6.2	20
65	The Decade on Ecosystem Restoration is an impetus to get it right. <i>Conservation Science and Practice</i> , 2019 , 1, e145	2.2	19
64	Assessment of the Conservation Measures Partnership's effort to improve conservation outcomes through adaptive management. <i>Conservation Biology</i> , 2018 , 32, 926-937	6	18
63	Predicting Potential Changes in Suitable Habitat and Distribution by 2100 for Tree Species of the Eastern United States. <i>J Agricultural Meteorology</i> , 2005 , 61, 29-37	1.1	18
62	Population Persistence in Florida <i>Torreya</i> : Comparing Modeled Projections of a Declining Coniferous Tree. <i>Conservation Biology</i> , 2000 , 14, 1023-1033	6	17
61	Vegetation ecology of flatwoods on the Illinoian till plain. <i>Journal of Vegetation Science</i> , 1995 , 6, 647-666	5.1	17
60	The Distribution of Tree Species in Steepheads of the Apalachicola River Bluffs, Florida. <i>Journal of the Torrey Botanical Society</i> , 1998 , 125, 309	0.5	16
59	Changes in Global Grassland Productivity during 1982 to 2011 Attributable to Climatic Factors. <i>Remote Sensing</i> , 2016 , 8, 384	5	16
58	Trusting land to volunteers: How and why land trusts involve volunteers in ecological monitoring. <i>Biological Conservation</i> , 2017 , 208, 48-54	6.2	15
57	Estimating the magnitude of decline of the Florida <i>torreya</i> (<i>Torreya taxifolia</i> Arn.). <i>Biological Conservation</i> , 2000 , 95, 77-84	6.2	15
56	Amplifying plant disease risk through assisted migration. <i>Conservation Letters</i> , 2019 , 12, e12605	6.9	13
55	Growth-Climate relationships for six subalpine tree species in a Mediterranean climate. <i>Canadian Journal of Forest Research</i> , 2013 , 43, 1114-1126	1.9	13
54	Comparative taxonomic structure of the floras of two Mediterranean-climate regions: Iberia and California. <i>Diversity and Distributions</i> , 2005 , 11, 399-408	5	13
53	Species Diversity Patterns in Woody Flora on Three North American Peninsulas. <i>Journal of Biogeography</i> , 1988 , 15, 759	4.1	13

52	Global policy for assisted colonization of species. <i>Science</i> , 2021 , 372, 456-458	33.3	13
51	Distribution and Ecotypic Variation of the Invasive Annual Barb Goatgrass (<i>Aegilops triuncialis</i>) on Serpentine Soil. <i>Invasive Plant Science and Management</i> , 2010 , 3, 376-389	1	12
50	Effects of fire on germination of <i>Pterocarpus angolensis</i> . <i>Forest Ecology and Management</i> , 2006 , 233, 116-120	3.9	12
49	The value of a multi-faceted climate change vulnerability assessment to managing protected lands: lessons from a case study in Point Reyes National Seashore. <i>Journal of Environmental Management</i> , 2013 , 121, 37-47	7.9	11
48	Using population count data to assess the effects of changing river flow on an endangered Riparian plant. <i>Conservation Biology</i> , 2006 , 20, 1132-42	6	11
47	Expert opinion on extinction risk and climate change adaptation for biodiversity. <i>Elementa</i> , 2015 , 3,	3.6	11
46	Conservation investment for rare plants in urban environments. <i>PLoS ONE</i> , 2013 , 8, e83809	3.7	11
45	Investment and the Policy Process in Conservation Monitoring. <i>Conservation Biology</i> , 2014 , 28, 361-371	6	10
44	The Continuing Population Decline of <i>Torreya taxifolia</i> Arn.. <i>Bulletin of the Torrey Botanical Club</i> , 1993 , 120, 275		10
43	SPECIALIZATION AND RESOURCE TRADE: BIOLOGICAL MARKETS AS A MODEL OF MUTUALISMS 1998 , 79, 1029		10
42	Effects of dynamic taxonomy on rare species and conservation listing: insights from the Iberian vascular flora. <i>Biodiversity and Conservation</i> , 2007 , 16, 4039-4050	3.4	9
41	Modelling interspecific mutualisms as biological markets 2001 , 173-184		9
40	Forest structure, stand composition, and climate-growth response in montane forests of Jiuzhaigou National Nature Reserve, China. <i>PLoS ONE</i> , 2013 , 8, e71559	3.7	9
39	The unaddressed threat of invasive animals in U.S. National Parks. <i>Biological Invasions</i> , 2020 , 22, 177-188	2.7	9
38	Commonness, rarity, and oligarchies of woody plants in the tropical dry forests of Mexico. <i>Biotropica</i> , 2017 , 49, 493-501	2.3	8
37	Solve the biodiversity crisis with funding. <i>Science</i> , 2019 , 365, 1256	33.3	8
36	Adapting DSSAT Model for Simulation of Cotton Yield for Nitrogen Levels and Planting Dates. <i>Agronomy Journal</i> , 2017 , 109, 2639-2648	2.2	7
35	Growth of Valley Oak (<i>Quercus Lobata</i> Nee) in Four Floodplain Environments in the Central Valley of California. <i>Plant Ecology</i> , 2005 , 176, 157-164	1.7	7

34	Intensified burn severity in California's northern coastal mountains by drier climatic condition. <i>Environmental Research Letters</i> , 2020 , 15, 104033	6.2	7
33	Identifying climate risk perceptions, information needs, and barriers to information exchange among public land managers. <i>Science of the Total Environment</i> , 2018 , 616-617, 245-254	10.2	7
32	Incorporating sociocultural adaptive capacity in conservation hotspot assessments. <i>Diversity and Distributions</i> , 2010 , 16, 439-450	5	6
31	Ecological risk assessment of managed relocation as a climate change adaptation strategy		6
30	Empirical test on the relative climatic sensitivity between individuals of narrowly and broadly distributed species. <i>Ecosphere</i> , 2016 , 7, e01227	3.1	6
29	Co-development of a risk assessment strategy for managed relocation. <i>Ecological Solutions and Evidence</i> , 2021 , 2, e12092	2.1	6
28	Climate risk on two vegetation axes—tropical wet-to-dry and temperate arid-to-moist forests. <i>Journal of Biogeography</i> , 2018 , 45, 2361-2374	4.1	5
27	Effectiveness of a Vegetation-Based Approach to Insect Conservation. <i>Conservation Biology</i> , 2008 , 12, 693-702	6	5
26	Allozyme variation of the endangered Florida torreya (<i>Torreya taxifolia</i>). <i>Canadian Journal of Forest Research</i> , 1993 , 23, 2598-2602	1.9	5
25	Natural Ecosystems 2013 , 148-167		5
24	Conservation lessons from taboos and trolley problems. <i>Conservation Biology</i> , 2021 , 35, 794-803	6	5
23	Is Slow Growth of the Endangered <i>Torreya taxifolia</i> (Arn.) Normal?. <i>Journal of the Torrey Botanical Society</i> , 1999 , 126, 307	0.5	4
22	Estimating the spatial and temporal distribution of species richness within Sequoia and Kings Canyon National Parks. <i>PLoS ONE</i> , 2014 , 9, e112465	3.7	3
21	Trait-based climate vulnerability of native rodents in southwestern Mexico. <i>Ecology and Evolution</i> , 2020 , 10, 5864-5876	2.8	3
20	"Forest mismanagement" misleads. <i>Science</i> , 2020 , 370, 417	33.3	3
19	Improving inferences about private land conservation by accounting for incomplete reporting. <i>Conservation Biology</i> , 2021 , 35, 1174-1185	6	3
18	Fitting the US National Park Service for Change. <i>BioScience</i> , 2019 , 69, 651-657	5.7	2
17	Demographic modeling and monitoring cycle in a long-lived endangered shrub. <i>Journal for Nature Conservation</i> , 2011 , 19, 330-338	2.3	2

16	You can help rare plants survive in the cities. <i>Nature</i> , 2001 , 411, 991-2	50.4	2
15	The Use of Boundary-Spanning Organizations to Bridge the Knowledge-Action Gap in North America. <i>Wildlife Research Monographs</i> , 2021 , 229-254	1.4	2
14	Southwest Regional Climate Hub and California Subsidiary Hub Assessment of Climate Change Vulnerability and Adaptation and Mitigation Strategies		2
13	Elucidating biological opportunities and constraints on assisted colonization. <i>Applied Vegetation Science</i> , 2016 , 19, 185-186	3.3	2
12	A vision for documenting and sharing knowledge in conservation. <i>Conservation Science and Practice</i> , 2019 , 1, e1	2.2	2
11	Spatially Explicit Analytical Models for SocialEcological Systems. <i>BioScience</i> , 2018 ,	5.7	2
10	States lack endangered species reporting. <i>Science</i> , 2019 , 365, 229-230	33.3	1
9	Ecological careers in nature-based non-governmental organizations. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 338-339	5.5	1
8	The divergent impact of phenology change on the productivity of alpine grassland due to different timing of drought on the Tibetan Plateau. <i>Land Degradation and Development</i> , 2021 , 32, 4033-4041	4.4	1
7	Fitting the solutions to the problems in managing extreme wildfire in California. <i>Environmental Research Communications</i> , 2021 , 3, 081005	3.1	1
6	Confronting parachute science in conservation. <i>Conservation Science and Practice</i> , 2022 , 4,	2.2	1
5	Bridging the knowledge-implementation gap between agency and academia: A case study of a graduate research experience. <i>Conservation Science and Practice</i> , 2020 , 2, e286	2.2	
4	Plan S and publishing: reply to Lehtomäki et al. 2019. <i>Conservation Biology</i> , 2019 , 33, 1203-1204	6	
3	The Use of Population Viability Analyses in Conservation Planning. In: Per Sjögren-Gulve and Tobias Ebenhard use of novel dichotomy that is of particular interest to the landscape ecologist: whether the PVA is spatially. <i>Landscape Ecology</i> , 2002 , 17, 189-190	4.3	
2	Conservation and Pharmaceutical Interests: The Case of Yew Trees. <i>Conservation Biology</i> , 1992 , 6, 152-153		
1	Assisted colonization risk assessment-Response. <i>Science</i> , 2021 , 372, 925-926	33.3	