Stuart L Pimm

List of Publications by Year
in descending order

143 papers	24,050 citations	9786 73 h-index	9345 143 g-index
154 all docs	154 docs citations	154 times ranked	24238 citing authors

#	Article	IF	Citations
1	The complexity and stability of ecosystems. Nature, 1984, 307, 321-326.	27.8	2,312
2	The biodiversity of species and their rates of extinction, distribution, and protection. Science, 2014, 344, 1246752.	12.6	2,295
3	Extinction by numbers. Nature, 2000, 403, 843-845.	27.8	1,159
4	Ecological networks and their fragility. Nature, 2006, 442, 259-264.	27.8	1,064
5	On the Risk of Extinction. American Naturalist, 1988, 132, 757-785.	2.1	896
6	Global patterns of terrestrial vertebrate diversity and conservation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2602-10.	7.1	737
7	The fate of Amazonian forest fragments: A 32-year investigation. Biological Conservation, 2011, 144, 56-67.	4.1	713
8	Food web patterns and their consequences. Nature, 1991, 350, 669-674.	27.8	666
9	Body Sizes of Animal Predators and Animal Prey in Food Webs. Journal of Animal Ecology, 1993, 62, 67.	2.8	600
10	Time Lag between Deforestation and Bird Extinction in Tropical Forest Fragments. Conservation Biology, 1999, 13, 1140-1150.	4.7	474
11	The Impacts of Oil Palm on Recent Deforestation and Biodiversity Loss. PLoS ONE, 2016, 11, e0159668.	2.5	459
12	Oil and Gas Projects in the Western Amazon: Threats to Wilderness, Biodiversity, and Indigenous Peoples. PLoS ONE, 2008, 3, e2932.	2.5	432
13	Ecology and economics for pandemic prevention. Science, 2020, 369, 379-381.	12.6	411
14	Estimating the normal background rate of species extinction. Conservation Biology, 2015, 29, 452-462.	4.7	410
15	Navigating the complexity of ecological stability. Ecology Letters, 2016, 19, 1172-1185.	6.4	401
16	On the protection of â€œprotected areasâ€. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6673-6678.	7.1	385
17	Habitat fragmentation and biodiversity conservation: key findings and future challenges. Landscape Ecology, 2016, 31, 219-227.	4.2	336
18	What we know and donâ€™t know about Earth's missing biodiversity. Trends in Ecology and Evolution, 2012, 27, 501-510.	8.7	321

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19	The variability of population densities. Nature, 1988, 334, 613-614.	27.8	318
20	US protected lands mismatch biodiversity priorities. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5081-5086.	7.1	301
21	Rates of species loss from Amazonian forest fragments. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14069-14073.	7.1	280
22	The size of savannah Africa: a lionâ€™s (Panthera leo) view. Biodiversity and Conservation, 2013, 22, 17-35.	2.6	280
23	Human impacts on the rates of recent, present, and future bird extinctions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10941-10946.	7.1	256
24	Emerging Technologies to Conserve Biodiversity. Trends in Ecology and Evolution, 2015, 30, 685-696.	8.7	240
25	ECOLOGY: Protecting China's Biodiversity. Science, 2003, 300, 1240-1241.	12.6	216
26	Biodiversity hotspots house most undiscovered plant species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13171-13176.	7.1	214
27	Relative risk of extinction of passerine birds on continents and islands. Nature, 1999, 399, 258-261.	27.8	206
28	Food Web Design and the Effect of Species Deletion. Oikos, 1980, 35, 139.	2.7	205
29	Are Food Webs Divided into Compartments?. Journal of Animal Ecology, 1980, 49, 879.	2.8	204
30	Dispersal of Amazonian birds in continuous and fragmented forest. Ecology Letters, 2007, 10, 219-229.	6.4	193
31	How many species of flowering plants are there?. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 554-559.	2.6	191
32	Deforestation Predicts the Number of Threatened Birds in Insular Southeast Asia. Conservation Biology, 1997, 11, 382-394.	4.7	190
33	Fences and artificial water affect African savannah elephant movement patterns. Biological Conservation, 2009, 142, 3086-3098.	4.1	187
34	Measuring Terrestrial Area of Habitat (AOH) and Its Utility for the IUCN Red List. Trends in Ecology and Evolution, 2019, 34, 977-986.	8.7	181
35	How to protect half of Earth to ensure it protects sufficient biodiversity. Science Advances, 2018, 4, eaat2616.	10.3	175
36	Competition and Food Selection: Field Tests of a Theory. Ecology, 1985, 66, 798-807.	3.2	165

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37	The structure of food webs. Theoretical Population Biology, 1979, 16, 144-158.	1.1	157
38	How Many Plant Species are There, Where are They, and at What Rate are They Going Extinct?. Annals of the Missouri Botanical Garden, 2015, 100, 170-176.	1.3	156
39	China's endemic vertebrates sheltering under the protective umbrella of the giant panda. Conservation Biology, 2016, 30, 329-339.	4.7	152
40	The Introduced Hawaiian Avifauna: Biogeographic Evidence for Competition. American Naturalist, 1983, 121, 669-690.	2.1	139
41	Range Size and Extinction Risk in Forest Birds. Conservation Biology, 2008, 22, 163-171.	4.7	137
42	Conservation policy and the measurement ofÂforests. Nature Climate Change, 2016, 6, 192-196.	18.8	136
43	Elevational Ranges of Birds on a Tropical Montane Gradient Lag behind Warming Temperatures. PLoS ONE, 2011, 6, e28535.	2.5	127
44	Reassessing the conservation status of the giant panda using remote sensing. Nature Ecology and Evolution, 2017, 1, 1635-1638.	7.8	127
45	Targeted habitat restoration can reduce extinction rates in fragmented forests. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9635-9640.	7.1	127
46	Biodiversity: Climate Change or Habitat Loss â€" Which Will Kill More Species?. Current Biology, 2008, 18, R117-R119.	3.9	123
47	Achieving the Convention on Biological Diversityâ€™s Goals for Plant Conservation. Science, 2013, 341, 1100-1103.	12.6	119
48	Transforming Protected Area Management in China. Trends in Ecology and Evolution, 2019, 34, 762-766.	8.7	118
49	Reserves Protect against Deforestation Fires in the Amazon. PLoS ONE, 2009, 4, e5014.	2.5	118
50	On the nature of population extremes. Evolutionary Ecology, 1995, 9, 429-443.	1.2	117
51	Complexity, Diversity, and Stability: A Reconciliation of Theoretical and Empirical Results. American Naturalist, 1983, 122, 229-239.	2.1	113
52	Predicted correspondence between species abundances and dendrograms of niche similarities. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5246-5251.	7.1	110
53	Properties of Food Webs. Ecology, 1980, 61, 219-225.	3.2	109
54	Competitors and Habitat Use. Oikos, 1981, 37, 1.	2.7	109

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55	Climate change challenges the current conservation strategy for the giant panda. Biological Conservation, 2015, 190, 43-50.	4.1	109
56	Beyond eight forms of rarity: which species are threatened and which will be next?. Animal Conservation, 2001, 4, 221-229.	2.9	107
57	Elephant seasonal vegetation preferences across dry and wet savannas. Biological Conservation, 2009, 142, 3099-3107.	4.1	102
58	On Population Growth Near Protected Areas. PLoS ONE, 2009, 4, e4279.	2.5	101
59	The dynamics of multispecies, multi-life-stage models of aquatic food webs. Theoretical Population Biology, 1987, 32, 303-325.	1.1	99
60	The costs and benefits of primary prevention of zoonotic pandemics. Science Advances, 2022, 8, eabl4183.	10.3	99
61	Climate Disruption and Biodiversity. Current Biology, 2009, 19, R595-R601.	3.9	98
62	Constraints to Speciesâ€™ Elevational Range Shifts as Climate Changes. Conservation Biology, 2011, 25, 163-171.	4.7	98
63	The population ecology and social behaviour of taxonomists. Trends in Ecology and Evolution, 2011, 26, 551-553.	8.7	96
64	Free-ranging livestock threaten the long-term survival of giant pandas. Biological Conservation, 2017, 216, 18-25.	4.1	96
65	Culling and the dynamics of the Kruger National Park African elephant population. Animal Conservation, 1999, 2, 287-294.	2.9	94
66	Threat from deforestation to montane and lowland birds and mammals in insular South-east Asia. Journal of Animal Ecology, 1999, 68, 1061-1078.	2.8	93
67	The Assembly of Ecological Communities: A Minimalist Approach. Journal of Animal Ecology, 1993, 62, 749.	2.8	90
68	Incorporating explicit geospatial data shows more species at risk of extinction than the current Red List. Science Advances, 2016, 2, e1601367.	10.3	89
69	Hidden Loss of Wetlands in China. Current Biology, 2019, 29, 3065-3071.e2.	3.9	85
70	Protected areas and biodiversity conservation in India. Biological Conservation, 2019, 237, 114-124.	4.1	83
71	Population Variability and Polyphagy in Herbivorous Insect Communities. Ecological Monographs, 1988, 58, 39-55.	5.4	80
72	ECOLOGY: Domains of Diversity. Science, 2004, 304, 831-833.	12.6	80

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73	Rules of habitat use by elephants Loxodonta africana in southern Africa: insights for regional management. Oryx, 2008, 42, .	1.0	80
74	Direct Estimation of Competition. American Naturalist, 1979, 113, 593-600.	2.1	78
75	Measuring resilience is essential to understand it. Nature Sustainability, 2019, 2, 895-897.	23.7	76
76	Refining Biodiversity Conservation Priorities. Conservation Biology, 2005, 19, 1957-1968.	4.7	75
77	Planetary Boundaries for Biodiversity: Implausible Science, Pernicious Policies. Trends in Ecology and Evolution, 2018, 33, 71-73.	8.7	75
78	Biodiversity and REDD at Copenhagen. Current Biology, 2009, 19, R974-R976.	3.9	74
79	Disconnects in Evaluating the Relative Effectiveness of Conservation Strategies. Conservation Biology, 2004, 18, 597-599.	4.7	69
80	Species, extinct before we know them?. Current Biology, 2015, 25, R177-R180.	3.9	68
81	Achieving success with small, translocated mammal populations. Conservation Letters, 2009, 2, 254-262.	5.7	59
82	Crying wolf in North America. Nature, 1991, 351, 524-525.	27.8	56
83	How Many Endangered Species Remain to be Discovered in Brazil?. Natureza A Conservacao, 2010, 08, 71-77.	2.5	55
84	Water levels, rapid vegetational changes, and the endangered Cape Sable seaside-sparrow. Animal Conservation, 1998, 1, 23-32.	2.9	54
85	The value of everything. Nature, 1997, 387, 231-232.	27.8	50
86	Estimating Extinction Risk with Metapopulation Models of Largeâ€Scale Fragmentation. Conservation Biology, 2013, 27, 520-530.	4.7	50
87	Population dynamics of the endangered Cape Sable seaside-sparrow. Animal Conservation, 1998, 1, 11-21.	2.9	44
88	Satellites miss environmental priorities. Trends in Ecology and Evolution, 2007, 22, 630-632.	8.7	42
89	Reciprocal specialization in ecological networks. Ecology Letters, 2009, 12, 961-969.	6.4	42
90	The Fate of the Worldâ€™s Plants. Trends in Ecology and Evolution, 2017, 32, 317-320.	8.7	41

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91	Savanna elephant numbers are only a quarter of their expected values. PLoS ONE, 2017, 12, e0175942.	2.5	41
92	Deforestation risks posed by oil palm expansion in the Peruvian Amazon. Environmental Research Letters, 2018, 13, 114010.	5.2	41
93	The forest fragment classic. Nature, 1998, 393, 23-24.	27.8	39
94	Setting Practical Conservation Priorities for Birds in the Western Andes of Colombia. Conservation Biology, 2014, 28, 1260-1270.	4.7	38
95	Lessons from a kill. Biodiversity and Conservation, 1996, 5, 1059-1067.	2.6	36
96	Elephant survival, rainfall and the confounding effects of water provision and fences. Biodiversity and Conservation, 2010, 19, 2235-2245.	2.6	36
97	How China expanded its protected areas to conserve biodiversity. Current Biology, 2020, 30, R1334-R1340.	3.9	36
98	Quantitative Analysis of Forest Fragmentation in the Atlantic Forest Reveals More Threatened Bird Species than the Current Red List. PLoS ONE, 2013, 8, e65357.	2.5	34
99	Avian conservation priorities in a top-ranked biodiversity hotspot. Biological Conservation, 2010, 143, 992-998.	4.1	29
100	Lion populations may be declining in Africa but not as Bauer et al. suggest. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E107-E108.	7.1	28
101	Sustaining the Variety of Life. Scientific American, 2005, 293, 66-73.	1.0	27
102	In search of perennial solutions. Nature, 1997, 389, 126-127.	27.8	26
103	Estimating competition coefficients from census data. Oecologia, 1985, 67, 588-590.	2.0	24
104	Demonstrating the destruction of the habitat of the Cape Sable seaside sparrow (Ammodramus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.9	24
105	The form of the curves: a direct evaluation of MacArthur & Wilson's classic theory. Journal of Animal Ecology, 1998, 67, 784-794.	2.8	23
106	Extinctions and the practice of preventing them. , 2010, , 181-198.		22
107	How the World Bank funds protected areas. Conservation Letters, 2011, 4, 269-277.	5.7	22
108	Remotely Sensed Data Informs Red List Evaluations and Conservation Priorities in Southeast Asia. PLoS ONE, 2016, 11, e0160566.	2.5	21

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109	Bird extirpations and community dynamics in an Andean cloud forest over 100 years of landâ€use change. Conservation Biology, 2020, 34, 677-687.	4.7	21
110	Bird population densities. Nature, 1989, 338, 628-628.	27.8	19
111	How Conservation GIS Leads to Rio de Janeiro, Brazil. Natureza A Conservacao, 2011, 9, 152-159.	2.5	19
112	Conservation: Forest Fragments, Facts, and Fallacies. Current Biology, 2013, 23, R1098-R1101.	3.9	17
113	Why sparrow distributions do not match model predictions. Animal Conservation, 2003, 6, 39-46.	2.9	16
114	Why a Planetary Boundary, If It Is Not Planetary, and the Boundary Is Undefined? A Reply to RockstrÃ¶m et al.. Trends in Ecology and Evolution, 2018, 33, 234.	8.7	16
115	Spatial models of giant pandas under current and future conditions reveal extinction risks. Nature Ecology and Evolution, 2021, 5, 1309-1316.	7.8	16
116	The next widespread bamboo flowering poses a massive risk to the giant panda. Biological Conservation, 2019, 234, 180-187.	4.1	14
117	The checkered history of checkerboard distributions: comment. Ecology, 2015, 96, 3386-3388.	3.2	13
118	Climate change, disease range shifts, and the future of the Africa lion. Conservation Biology, 2018, 32, 1207-1210.	4.7	13
119	Using metapopulation theory for practical conservation of mangrove endemic birds. Conservation Biology, 2020, 34, 266-275.	4.7	13
120	What we need to know to prevent a mass extinction of plant species. Plants People Planet, 2021, 3, 7-15.	3.3	13
121	Abundance, distribution and conservation of Rio Branco Antbird Cercomacra carbonaria and Hoary-throated Spinetail Synallaxis kollari. Bird Conservation International, 2007, 17, 245-257.	1.3	12
122	Elevational Ranges of Montane Birds and Deforestation in the Western Andes of Colombia. PLoS ONE, 2015, 10, e0143311.	2.5	12
123	The 2020 elephant die-off in Botswana. PeerJ, 2021, 9, e10686.	2.0	11
124	Mapping and exploring the distribution of the Vulnerable grey-winged cotinga Tijuca condita. Oryx, 2008, 42, 562.	1.0	10
125	Relationship between giant panda populations and selected ecosystem services. Ecosystem Services, 2020, 44, 101130.	5.4	10
126	What is biodiversity conservation?. Ambio, 2021, 50, 976-980.	5.5	10

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127	Batch-produced, GIS-informed range maps for birds based on provenanced, crowd-sourced data inform conservation assessments. PLoS ONE, 2021, 16, e0259299.	2.5	10
128	Unfulfilled promise of dataâ€driven approaches: response to Peterson etÂal.. Conservation Biology, 2017, 31, 944-947.	4.7	9
129	Reconnecting nature. Current Biology, 2021, 31, R1159-R1164.	3.9	7
130	Communities oceans apart?. Nature, 1989, 339, 13-13.	27.8	5
131	Measuring the millennium. Oikos, 2000, 88, 3-5.	2.7	5
132	Bird conservation would complement landslide prevention in the Central Andes of Colombia. PeerJ, 2015, 3, e779.	2.0	5
133	Frog ponds and ocean iron. Nature, 1992, 360, 298-299.	27.8	4
134	The State of the Worldâ€™s Biodiversity. , 2019, , 80-112.		4
135	Natural Enemies and Community Dynamics. , 0, , 395-411.		3
136	Water levels, rapid vegetational changes, and the endangered Cape Sable seaside-sparrow. Animal Conservation, 1998, 01, 23-32.	2.9	2
137	Culling and the dynamics of the Kruger National Park African elephant population. Animal Conservation, 1999, 2, 287-294.	2.9	2
138	Reply to Nic Lughadha et al.. Trends in Ecology and Evolution, 2017, 32, 889.	8.7	1
139	Population dynamics of the endangered Cape Sable seaside-sparrow. Animal Conservation, 1998, 01, 11-21.	2.9	1
140	We can have biodiversity and eat too. Nature Food, 2022, 3, 310-311.	14.0	1
141	The trees, if not the woods. Current Biology, 2014, 24, R634-R636.	3.9	0
142	Norman Myers (1934â€“2019). Nature Ecology and Evolution, 2020, 4, 177-178.	7.8	0
143	Response : Extinction Rates. Science, 1996, 273, 297-297.	12.6	0