

# Lucas Joppa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5334197/publications.pdf>

Version: 2024-02-01

63  
papers

10,048  
citations

94433

37  
h-index

123424

61  
g-index

63  
all docs

63  
docs citations

63  
times ranked

14405  
citing authors

#	ARTICLE	IF	CITATIONS
1	The biodiversity of species and their rates of extinction, distribution, and protection. <i>Science</i> , 2014, 344, 1246752.	12.6	2,295
2	High and Far: Biases in the Location of Protected Areas. <i>PLoS ONE</i> , 2009, 4, e8273.	2.5	749
3	A Global Deal For Nature: Guiding principles, milestones, and targets. <i>Science Advances</i> , 2019, 5, eaaw2869.	10.3	477
4	Expansion of the global terrestrial protected area system. <i>Biological Conservation</i> , 2009, 142, 2166-2174.	4.1	446
5	Estimating the normal background rate of species extinction. <i>Conservation Biology</i> , 2015, 29, 452-462.	4.7	410
6	On the protection of "protected areas". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6673-6678.	7.1	385
7	Shortfalls and Solutions for Meeting National and Global Conservation Area Targets. <i>Conservation Letters</i> , 2015, 8, 329-337.	5.7	350
8	Global protected area impacts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1633-1638.	2.6	331
9	What we know and don't know about Earth's missing biodiversity. <i>Trends in Ecology and Evolution</i> , 2012, 27, 501-510.	8.7	321
10	More than a meal – integrating non-feeding interactions into food webs. <i>Ecology Letters</i> , 2012, 15, 291-300.	6.4	320
11	Understanding movement data and movement processes: current and emerging directions. <i>Ecology Letters</i> , 2008, 11, 1338-1350.	6.4	317
12	Emerging Technologies to Conserve Biodiversity. <i>Trends in Ecology and Evolution</i> , 2015, 30, 685-696.	8.7	240
13	Biodiversity hotspots house most undiscovered plant species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13171-13176.	7.1	214
14	Filling in biodiversity threat gaps. <i>Science</i> , 2016, 352, 416-418.	12.6	194
15	How many species of flowering plants are there?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 554-559.	2.6	191
16	Mapping Change in Human Pressure Globally on Land and within Protected Areas. <i>Conservation Biology</i> , 2014, 28, 1604-1616.	4.7	186
17	Projecting Global Biodiversity Indicators under Future Development Scenarios. <i>Conservation Letters</i> , 2016, 9, 5-13.	5.7	182
18	Measuring Terrestrial Area of Habitat (AOH) and Its Utility for the IUCN Red List. <i>Trends in Ecology and Evolution</i> , 2019, 34, 977-986.	8.7	181

#	ARTICLE	IF	CITATIONS
19	Remaining natural vegetation in the global biodiversity hotspots. <i>Biological Conservation</i> , 2014, 177, 12-24.	4.1	171
20	Reassessing the forest impacts of protection. <i>Annals of the New York Academy of Sciences</i> , 2010, 1185, 135-149.	3.8	170
21	Network structure beyond food webs: mapping non-trophic and trophic interactions on Chilean rocky shores. <i>Ecology</i> , 2015, 96, 291-303.	3.2	168
22	Troubling Trends in Scientific Software Use. <i>Science</i> , 2013, 340, 814-815.	12.6	151
23	Achieving the Convention on Biological Diversity's Goals for Plant Conservation. <i>Science</i> , 2013, 341, 1100-1103.	12.6	119
24	Using species distribution models to inform IUCN Red List assessments. <i>Biological Conservation</i> , 2014, 177, 174-184.	4.1	116
25	On Population Growth Near Protected Areas. <i>PLoS ONE</i> , 2009, 4, e4279.	2.5	101
26	Constraints to Species' Elevational Range Shifts as Climate Changes. <i>Conservation Biology</i> , 2011, 25, 163-171.	4.7	98
27	The population ecology and social behaviour of taxonomists. <i>Trends in Ecology and Evolution</i> , 2011, 26, 551-553.	8.7	96
28	Scenarios of future land use change around United States' protected areas. <i>Biological Conservation</i> , 2015, 184, 446-455.	4.1	89
29	The IPBES Global Assessment: Pathways to Action. <i>Trends in Ecology and Evolution</i> , 2020, 35, 407-414.	8.7	77
30	Government: Plan for ecosystem services. <i>Science</i> , 2016, 351, 1037-1037.	12.6	71
31	Representation of Global and National Conservation Priorities by Colombia's Protected Area Network. <i>PLoS ONE</i> , 2010, 5, e13210.	2.5	68
32	Impact of alternative metrics on estimates of extent of occurrence for extinction risk assessment. <i>Conservation Biology</i> , 2016, 30, 362-370.	4.7	67
33	The architecture of mutualistic networks as an evolutionary spandrel. <i>Nature Ecology and Evolution</i> , 2018, 2, 94-99.	7.8	63
34	A metric for spatially explicit contributions to science-based species targets. <i>Nature Ecology and Evolution</i> , 2021, 5, 836-844.	7.8	61
35	Scientists and software "surveying" the species distribution modelling community. <i>Diversity and Distributions</i> , 2015, 21, 258-267.	4.1	58
36	Threatened or Data Deficient: assessing the conservation status of poorly known species. <i>Diversity and Distributions</i> , 2016, 22, 558-565.	4.1	55

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37	Reciprocal specialization in ecological networks. <i>Ecology Letters</i> , 2009, 12, 961-969.	6.4	42
38	The effect of dreissenid invasions on chlorophyll and the chlorophyll:total phosphorus ratio in north-temperate lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 319-329.	1.4	42
39	Microsoft's million-tonne CO2-removal purchase – lessons for net zero. <i>Nature</i> , 2021, 597, 629-632.	27.8	42
40	Changing How Earth System Modeling is Done to Provide More Useful Information for Decision Making, Science, and Society. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1453-1464.	3.3	34
41	The case for technology investments in the environment. <i>Nature</i> , 2017, 552, 325-328.	27.8	33
42	Functional traits, land-use change and the structure of present and future bird communities in tropical forests. <i>Global Ecology and Biogeography</i> , 2014, 23, 1073-1084.	5.8	31
43	Quantifying the relative irreplaceability of important bird and biodiversity areas. <i>Conservation Biology</i> , 2016, 30, 392-402.	4.7	24
44	A Call for International Leadership and Coordination to Realize the Potential of Conservation Technology. <i>BioScience</i> , 2019, 69, 823-832.	4.9	21
45	Deep Reinforcement Learning for Green Security Games with Real-Time Information. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 1401-1408.	4.9	20
46	Further evidence of more taxonomists discovering new species, and that most species have been named: response to Bebbler <i>et al.</i> (2014). <i>New Phytologist</i> , 2014, 202, 739-740.	7.3	18
47	Introduction: Human migration to protected area edges in Africa and Latin America: Questioning large-scale statistical analysis. <i>Conservation and Society</i> , 2011, 9, 1.	0.8	17
48	Toward a national, sustained U.S. ecosystem assessment. <i>Science</i> , 2016, 354, 838-839.	12.6	15
49	Counting complete? Finalising the plant inventory of a global biodiversity hotspot. <i>PeerJ</i> , 2017, 5, e2984.	2.0	15
50	A Network Extension of Species Occupancy Models in a Patchy Environment Applied to the Yosemite Toad ( <i>Anaxyrus canorus</i> ). <i>PLoS ONE</i> , 2013, 8, e72200.	2.5	14
51	Identifying technology solutions to bring conservation into the innovation era. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 591-598.	4.0	13
52	Biophysical suitability, economic pressure and land-cover change: a global probabilistic approach and insights for REDD+. <i>Sustainability Science</i> , 2014, 9, 129-141.	4.9	11
53	Digitizing a sustainable future. <i>One Earth</i> , 2021, 4, 768-771.	6.8	11
54	Taxonomy that matters: response to Bacher. <i>Trends in Ecology and Evolution</i> , 2012, 27, 66.	8.7	10

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55	Modeling the Building Blocks of Biodiversity. PLoS ONE, 2013, 8, e56277.	2.5	9
56	Building robust conservation plans. Conservation Biology, 2015, 29, 503-512.	4.7	9
57	Measuring Population Growth around Tropical Protected Areas: Current Issues and Solutions. Tropical Conservation Science, 2010, 3, 117-121.	1.2	8
58	Population Change in and around Protected Areas. Journal of Ecological Anthropology, 2012, 15, 58-64.	0.2	8
59	The influence of single elements on nested community structure. Methods in Ecology and Evolution, 2011, 2, 541-549.	5.2	6
60	Sentiment Analysis of Conservation Studies Captures Successes of Species Reintroductions. Patterns, 2020, 1, 100005.	5.9	5
61	Data Science for Earth. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2020, 22, 4-7.	4.0	2
62	Journal club. Nature, 2009, 459, 619-619.	27.8	0
63	Thermal Tolerance, Range Expansion, and Status of Tropical Amphibians: Reply to Catenazzi. Conservation Biology, 2011, 25, 426-427.	4.7	0