David L Roberts

List of Publications by Year
in descending order

107 papers	3,728 citations	126907 33 h-index	149698 56 g-index
115 all docs	115 docs citations	115 times ranked	4420 citing authors

#	Article	IF	Citations
1	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
2	How many species of flowering plants are there?. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 554-559.	2.6	191
3	A review of the trade in orchids and its implications for conservation. Botanical Journal of the Linnean Society, 2018, 186, 435-455.	1.6	191
4	When did the dodo become extinct?. Nature, 2003, 426, 245-245.	27.8	140
5	Validation of biological collections as a source of phenological data for use in climate change studies: a case study with the orchid *Ophrys sphegodes*. Journal of Ecology, 2011, 99, 235-241.	4.0	138
6	Estimating the extent and structure of trade in horticultural orchids via social media. Conservation Biology, 2016, 30, 1038-1047.	4.7	129
7	How many herbarium specimens are needed to detect threatened species?. Biological Conservation, 2011, 144, 2541-2547.	4.1	113
8	Elevational gradients of species diversity, breeding system and floral traits of orchid species on Reunion Island. Journal of Biogeography, 2005, 32, 1751-1761.	3.0	107
9	Extinction of one of the world's largest freshwater fishes: Lessons for conserving the endangered Yangtze fauna. Science of the Total Environment, 2020, 710, 136242.	8.0	99
10	The population ecology and social behaviour of taxonomists. Trends in Ecology and Evolution, 2011, 26, 551-553.	8.7	96
11	Dynamics of the global trade in live reptiles: Shifting trends in production and consequences for sustainability. Biological Conservation, 2015, 184, 42-50.	4.1	89
12	A NONPARAMETRIC TEST FOR EXTINCTION BASED ON A SIGHTING RECORD. Ecology, 2003, 84, 1329-1332.	3.2	87
13	Species identification by experts and non-experts: comparing images from field guides. Scientific Reports, 2016, 6, 33634.	3.3	83
14	Significance of Sighting Rate in Inferring Extinction and Threat. Conservation Biology, 2006, 20, 562-567.	4.7	77
15	Assessing the extent and nature of wildlife trade on the dark web. Conservation Biology, 2016, 30, 900-904.	4.7	77
16	Orchids. Current Biology, 2008, 18, R325-R329.	3.9	74
17	Potential Disruption of Pollination in a Sexually Deceptive Orchid by Climatic Change. Current Biology, 2014, 24, 2845-2849.	3.9	74
18	Heterogeneity in consumer preferences for orchids in international trade and the potential for the use of market research methods to study demand for wildlife. Biological Conservation, 2015, 190, 80-86.	4.1	73

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19	Estimated dates of recent extinctions for North American and Hawaiian birds. Biological Conservation, 2010, 143, 617-624.	4.1	71
20	Identifying Anomalous Reports of Putatively Extinct Species and Why It Matters. Conservation Biology, 2010, 24, 189-196.	4.7	69
21	Dating first cases of COVID-19. PLoS Pathogens, 2021, 17, e1009620.	4.7	67
22	Comparative micromorphology of nectariferous and nectarless labellar spurs in selected clades of subtribe Orchidinae (Orchidaceae). Botanical Journal of the Linnean Society, 2009, 160, 369-387.	1.6	59
23	Threatened or Data Deficient: assessing the conservation status of poorly known species. Diversity and Distributions, 2016, 22, 558-565.	4.1	55
24	How Many Endangered Species Remain to be Discovered in Brazil?. Natureza A Conservacao, 2010, 08, 71-77.	2.5	55
25	On the Pleistocene extinctions of Alaskan mammoths and horses. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7351-7353.	7.1	51
26	Estimating the Extent of CITES Noncompliance among Traders and Endâ€Consumers; Lessons from the Global Orchid Trade. Conservation Letters, 2017, 10, 602-609.	5.7	44
27	Pseudopollen and Food-hair Diversity in Polystachya Hook. (Orchidaceae). Annals of Botany, 2002, 90, 477-484.	2.9	41
28	Vulnerability of a specialized pollination mechanism to climate change revealed by a 356-year analysis. Botanical Journal of the Linnean Society, 2018, 186, 498-509.	1.6	40
29	On the overlap between scientific and societal taxonomic attentions â€" Insights for conservation. Science of the Total Environment, 2019, 648, 772-778.	8.0	40
30	Comparing IUCN and Probabilistic Assessments of Threat: Do IUCN Red List Criteria Conflate Rarity and Threat?. Biodiversity and Conservation, 2006, 15, 1903-1912.	2.6	39
31	Captive Reptile Mortality Rates in the Home and Implications for the Wildlife Trade. PLoS ONE, 2015, 10, e0141460.	2.5	39
32	Uncertain Sightings and the Extinction of the Ivoryâ€Billed Woodpecker. Conservation Biology, 2012, 26, 180-184.	4.7	38
33	Inferring extinctions from sighting records of variable reliability. Journal of Applied Ecology, 2014, 51, 251-258.	4.0	38
34	Taking a more nuanced look at behavior change for demand reduction in the illegal wildlife trade. Conservation Science and Practice, 2020, 2, e248.	2.0	38
35	Molecular phylogenetics of *Vanda* and related genera (Orchidaceae). Botanical Journal of the Linnean Society, 2013, 173, 549-572.	1.6	33
36	Automatic detection of potentially illegal online sales of elephant ivory via data mining. PeerJ Computer Science, 0, 1, e10.	4.5	33

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37	Goodness of Fit of Probability Distributions for Sightings asÂSpecies Approach Extinction. Bulletin of Mathematical Biology, 2009, 71, 701-719.	1.9	29
38	Examining the Extinction of the Barbary Lion and Its Implications for Felid Conservation. PLoS ONE, 2013, 8, e60174.	2.5	27
39	Data mining in conservation research using Latin and vernacular species names. PeerJ, 2016, 4, e2202.	2.0	27
40	Species identification by conservation practitioners using online images: accuracy and agreement between experts. PeerJ, 2018, 6, e4157.	2.0	27
41	Estimating the prevalence of researcher misconduct: a study of UK academics within biological sciences. PeerJ, 2014, 2, e562.	2.0	27
42	Societal extinction of species. Trends in Ecology and Evolution, 2022, 37, 411-419.	8.7	26
43	Inferring extinction from biological records: Were we too quick to write off Miss Waldronâ€™s Red Colobus Monkey (Piliocolobus badius waldronae)?. Biological Conservation, 2006, 128, 285-287.	4.1	25
44	Potentially threatened: a Data Deficient flag for conservation management. Biodiversity and Conservation, 2016, 25, 1995-2000.	2.6	25
45	Supplying the wildlife trade as a livelihood strategy in a biodiversity hotspot. Ecology and Society, 2018, 23, .	2.3	24
46	Biological Flora of the British Isles:<i>Epipogium aphyllum</i>Sw.. Journal of Ecology, 2011, 99, 878-890.	4.0	23
47	Training future generations to deliver evidenceâ€based conservation and ecosystem management. Ecological Solutions and Evidence, 2021, 2, e12032.	2.0	23
48	Factors affecting the identification of individual mountain bongo antelope. PeerJ, 2015, 3, e1303.	2.0	22
49	Museum collections, species distributions, and rarefaction. Diversity and Distributions, 2006, 12, 423-424.	4.1	19
50	Inferring National and Regional Declines of Rare Orchid Species with Probabilistic Models. Conservation Biology, 2009, 23, 184-195.	4.7	19
51	Extinct or Possibly Extinct?. Science, 2006, 312, 997c-998c.	12.6	18
52	Bycatch and illegal wildlife trade on the dark web. Oryx, 2017, 51, 393-394.	1.0	18
53	Size of protected areas is the main determinant of species diversity in orchids. Biological Conservation, 2009, 142, 2329-2334.	4.1	17
54	Statistical inference of earlier origins for the first flaked stone technologies. Journal of Human Evolution, 2021, 154, 102976.	2.6	17

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55	Assessing uncertainty in sighting records: an example of the Barbary lion. PeerJ, 2015, 3, e1224.	2.0	17
56	The effect of the Convention on International Trade in Endangered Species on scientific collections. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 987-989.	2.6	16
57	Wildlife supply chains in Madagascar from local collection to global export. Biological Conservation, 2018, 226, 144-152.	4.1	16
58	Code word usage in the online ivory trade across four European Union member states. Oryx, 2020, 54, 494-498.	1.0	16
59	Societal attention toward extinction threats: a comparison between climate change and biological invasions. Scientific Reports, 2020, 10, 11085.	3.3	16
60	The academic welfare state: making peer-review count. Trends in Ecology and Evolution, 2013, 28, 623-624.	8.7	15
61	Biology's drones: Undermined by fear. Science, 2014, 344, 1351-1351.	12.6	15
62	Using geographic profiling to compare the value of sightings vs trap data in a biological invasion. Diversity and Distributions, 2017, 23, 104-112.	4.1	15
63	Accounting for observation reliability when inferring extinction based on sighting records. Biodiversity and Conservation, 2014, 23, 2801-2815.	2.6	14
64	The wild origin dilemma. Biological Conservation, 2018, 217, 203-206.	4.1	14
65	Rediscovery of the Scottish polecat, Mustela putorius: Survival or reintroduction?. Biological Conservation, 2006, 128, 574-575.	4.1	13
66	Science responses to IUCN Red Listing. PeerJ, 2017, 5, e4025.	2.0	13
67	Modelling the end of the Acheulean at global and continental levels suggests widespread persistence into the Middle Palaeolithic. Humanities and Social Sciences Communications, 2021, 8, .	2.9	12
68	A novel application of mark-recapture to examine behaviour associated with the online trade in elephant ivory. PeerJ, 2017, 5, e3048.	2.0	12
69	Ethics and governance for internetâ€based conservation science research. Conservation Biology, 2021, 35, 1747-1754.	4.7	11
70	Taxonomy that matters: response to Bacher. Trends in Ecology and Evolution, 2012, 27, 66.	8.7	10
71	Assessing the extent of access and benefit sharing in the wildlife trade: lessons from horticultural orchids in Southeast Asia. Environmental Conservation, 2018, 45, 261-268.	1.3	9
72	Network analysis of a stakeholder community combatting illegal wildlife trade. Conservation Biology, 2019, 33, 1307-1317.	4.7	9

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73	Differentiating captive and wild African lion (Panthera leo) populations in South Africa, using stable carbon and nitrogen isotope analysis. Biodiversity and Conservation, 2020, 29, 2255-2273.	2.6	9
74	Reconstructing the full temporal range of archaeological phenomena from sparse data. Journal of Archaeological Science, 2021, 135, 105479.	2.4	9
75	New rhino conservation project in South Africa to understand landowner decision-making. Oryx, 2013, 47, 323-323.	1.0	8
76	Determinants of orchid species diversity in world islands. New Phytologist, 2018, 217, 12-15.	7.3	8
77	Exploring the Africa-Asia Trade Nexus for Endangered Wildlife Used in Traditional Asian Medicine: Interviews With Traders in South Africa and Vietnam. Tropical Conservation Science, 2020, 13, 194008292097925.	1.2	8
78	Taeniophyllum coxii (Summerh.) Summerh. (Orchidaceae): A New Record for Mauritius, Indian Ocean. Kew Bulletin, 2004, 59, 493.	0.9	7
79	Inferring the extinction of species known only from a single specimen. Oryx, 2020, 54, 161-166.	1.0	7
80	Using GPS-enabled decoy turtle eggs to track illegal trade. Current Biology, 2020, 30, R1066-R1068.	3.9	7
81	The Seven Forms of Challenges in the Wildlife Trade. Tropical Conservation Science, 2020, 13, 194008292094702.	1.2	7
82	An economic analysis of twitching behaviour and species rarity. Journal of Environmental Economics and Policy, 2021, 10, 54-73.	2.5	7
83	The Use and Prescription of Pangolin in Traditional Vietnamese Medicine. Tropical Conservation Science, 2021, 14, 194008292098575.	1.2	7
84	A systematic survey of online trade: trade in Saiga antelope horn on Russian-language websites. Oryx, 2022, 56, 352-359.	1.0	7
85	Refugeâ€Effect Hypothesis and the Demise of the Dodo. Conservation Biology, 2013, 27, 1478-1480.	4.7	6
86	On the functional extinction of the Passenger Pigeon. Conservation Biology, 2017, 31, 1192-1195.	4.7	6
87	Biogeographical patterns and speciation of the genus Pinguicula (Lentibulariaceae) inferred by phylogenetic analyses. PLoS ONE, 2021, 16, e0252581.	2.5	6
88	Are extinction opinions extinct?. PeerJ, 2017, 5, e3663.	2.0	6
89	Disguising Elephant Ivory as Other Materials in the Online Trade. Tropical Conservation Science, 2020, 13, 194008292097460.	1.2	5
90	Do ambush predators prefer rewarding or non-rewarding orchid inflorescences?. Biological Journal of the Linnean Society, 2007, 92, 763-771.	1.6	4

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91	On inference about the introduction time of an introduced species with an application to the pine marten on Mull. Biological Conservation, 2013, 159, 4-6.	4.1	4
92	Devaluing rhino horns as a theoretical game. Ecological Modelling, 2016, 337, 73-78.	2.5	4
93	Accuracy in the identification of orchids of the genus Angraecum by taxonomists and non-taxonomists. Kew Bulletin, 2019, 74, 1.	0.9	4
94	Estimating identification uncertainties in CITES â€˜look-alikeâ€™ species. Global Ecology and Conservation, 2019, 18, e00648.	2.1	4
95	Inferring extinction in North American and Hawaiian birds in the presence of sighting uncertainty. PeerJ, 2016, 4, e2426.	2.0	4
96	Taking it as red: an introduction to the Theme Section on the IUCN Red List of Threatened Species. Endangered Species Research, 2008, 6, 109-111.	2.4	3
97	Perspective: Are higher taxa described earlier or later than expected by chance?. Systematics and Biodiversity, 2009, 7, 243-247.	1.2	3
98	Moving Beyond Simple Descriptive Statistics in the Analysis of Online Wildlife Trade: An Example From Clustering and Ordination. Tropical Conservation Science, 2020, 13, 194008292095840.	1.2	3
99	SchrÃ¶dinger's cat extinction paradox. Oryx, 2020, 54, 143-144.	1.0	3
100	Vanda longitepala (Orchidaceae): a new species from Burma. Kew Bulletin, 2008, 63, 495-497.	0.9	2
101	Trade of legal and illegal marine wildlife products in markets: integrating shopping list and survival analysis approaches. Animal Conservation, 2021, 24, 700-708.	2.9	2
102	Vanda perplexa (Orchidaceae): a new species from the Lesser Sunda Islands. Kew Bulletin, 2013, 68, 337-340.	0.9	1
103	Genetic homogenisation of two major orchid viruses through global tradeâ€based dispersal of their hosts. Plants People Planet, 2019, 1, 356-362.	3.3	1
104	A systematic survey of online trade: trade in Saiga antelope horn on Russian-language websites â€"CORRIGENDUM. Oryx, 2022, 56, 476-476.	1.0	1
105	Development of a Cryopreservation Protocol for Vanilla Siamensis: An Endangered Orchid Species in Thailand. Cryo-Letters, 2019, 40, 305-311.	0.3	1
106	Correcting confusion regarding the identity, circumscription and synonymy of <i>Angraecum gracile</i> Thouars (<i>Orchidaceae</i>). Taxon, 2010, 59, 1578-1580.	0.7	0
107	Extinctions: Living and Dying in the Margin of Error by Michael Hannah (2021) 325 pp., Cambridge University Press, Cambridge, UK. ISBN 978-1-108-84353-9 (hbk), GBP 20.00.. Oryx, 2022, 56, 478-478.	1.0	0