Terence P Dawson

List of Publications by Year
in descending order

112	15,923	41344	28297
papers	citations	49	105
		h-index	g-index

116	116	116	20259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting the impacts of climate change on the distribution of species: are bioclimate envelope models useful?. Global Ecology and Biogeography, 2003, 12, 361-371.	5.8	3,154
2	Selecting thresholds of occurrence in the prediction of species distributions. Ecography, 2005, 28, 385-393.	4.5	2,057
3	Beyond Predictions: Biodiversity Conservation in a Changing Climate. Science, 2011, 332, 53-58.	12.6	1,510
4	Model-based uncertainty in species range prediction. Journal of Biogeography, 2006, 33, 1704-1711.	3.0	804
5	Modelling species distributions in Britain: a hierarchical integration of climate and land-cover data. Ecography, 2004, 27, 285-298.	4.5	491
6	Forecasting the Effects of Global Warming on Biodiversity. BioScience, 2007, 57, 227-236.	4.9	483
7	Integrating abundance and functional traits reveals new global hotspots of fish diversity. Nature, 2013, 501, 539-542.	27.8	445
8	SPECIES: A Spatial Evaluation of Climate Impact on the Envelope of Species. Ecological Modelling, 2002, 154, 289-300.	2.5	377
9	Technical note A new technique for interpolating the reflectance red edge position. International Journal of Remote Sensing, 1998, 19, 2133-2139.	2.9	331
10	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. BioScience, 2009, 59, 223-235.	4.9	312
11	Safe and just operating spaces for regional social-ecological systems. Global Environmental Change, 2014, 28, 227-238.	7.8	311
12	LIBERTY—Modeling the Effects of Leaf Biochemical Concentration on Reflectance Spectra. Remote Sensing of Environment, 1998, 65, 50-60.	11.0	310
13	Modelling potential impacts of climate change on the bioclimatic envelope of species in Britain and Ireland. Global Ecology and Biogeography, 2002, 11, 453-462.	5.8	260
14	Framing the concept of satellite remote sensing essential biodiversity variables: challenges and future directions. Remote Sensing in Ecology and Conservation, 2016, 2, 122-131.	4.3	243
15	Quantifying forest above ground carbon content using LiDAR remote sensing. Remote Sensing of Environment, 2004, 93, 368-380.	11.0	226
16	Spatial scale affects bioclimate model projections of climate change impacts on mountain plants. Global Change Biology, 2008, 14, 1089-1103.	9.5	202
17	Long-distance plant dispersal and habitat fragmentation: identifying conservation targets for spatial landscape planning under climate change. Biological Conservation, 2005, 123, 389-401.	4.1	196
18	A conceptual framework to assess the effects of environmental change on ecosystem services. Biodiversity and Conservation, 2010, 19, 2823-2842.	2.6	178

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19	Synthesis of remote sensing approaches for forest carbon estimation: reporting to the Kyoto Protocol. Environmental Science and Policy, 2005, 8, 161-178.	4.9	163
20	Extending the timescale and range of ecosystem services through paleoenvironmental analyses, exemplified in the lower Yangtze basin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1111-20.	7.1	163
21	Impacts of land use, population, and climate change on global food security. Food and Energy Security, 2021, 10, e261.	4.3	162
22	Accommodating climate change contingencies in conservation strategy. Trends in Ecology and Evolution, 2013, 28, 135-142.	8.7	156
23	Connecting Earth observation to high-throughput biodiversity data. Nature Ecology and Evolution, 2017, 1, 176.	7.8	156
24	Habitat structure and proximity to forest edge affect the abundance and distribution of forest-dependent birds in tropical coastal forests of southeastern Madagascar. Biological Conservation, 2004, 120, 311-327.	4.1	153
25	The Propagation of Foliar Biochemical Absorption Features in Forest Canopy Reflectance. Remote Sensing of Environment, 1999, 67, 147-159.	11.0	144
26	Mapping tropical forest structure in southeastern Madagascar using remote sensing and artificial neural networks. Remote Sensing of Environment, 2005, 94, 491-507.	11.0	138
27	Response of British lichens to climate change scenarios: Trends and uncertainties in the projected impact for contrasting biogeographic groups. Biological Conservation, 2007, 140, 217-235.	4.1	138
28	Ecosystem services and biodiversity conservation: concepts and a glossary. Biodiversity and Conservation, 2010, 19, 2773-2790.	2.6	137
29	Global projections of future cropland expansion to 2050 and direct impacts on biodiversity and carbon storage. Global Change Biology, 2018, 24, 5895-5908.	9.5	126
30	Food security in a perfect storm: using the ecosystem services framework to increase understanding. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20120288.	4.0	116
31	The impact of population growth and climate change on food security in Africa: looking ahead to 2050. International Journal of Agricultural Sustainability, 2017, 15, 124-135.	3.5	110
32	Cascading effects of climate extremes on vertebrate fauna through changes to low‑latitude tree flowering and fruiting phenology. Global Change Biology, 2015, 21, 3267-3277.	9.5	108
33	Modelling impacts of climate change on global food security. Climatic Change, 2016, 134, 429-440.	3.6	95
34	Indicators for biodiversity and ecosystem services: towards an improved framework for ecosystems assessment. Biodiversity and Conservation, 2010, 19, 2895-2919.	2.6	91
35	Accounting for indirect land-use change in the life cycle assessment of biofuel supply chains. Journal of the Royal Society Interface, 2012, 9, 1105-1119.	3.4	91
36	Climate change impacts on freshwater wetland habitats. Journal for Nature Conservation, 2003, 11, 25-30.	1.8	84

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37	Poverty alleviation strategies in eastern China lead to critical ecological dynamics. Science of the Total Environment, 2015, 506-507, 164-181.	8.0	78
38	Forest ecosystem chlorophyll content: Implications for remotely sensed estimates of net primary productivity. International Journal of Remote Sensing, 2003, 24, 611-617.	2.9	74
39	Bioclimate envelope models: what they detect and what they hide - response to Hampe (2004). Global Ecology and Biogeography, 2004, 13, 471-473.	5.8	69
40	Dynamic properties of complex adaptive ecosystems: implications for the sustainability of service provision. Biodiversity and Conservation, 2010, 19, 2843-2853.	2.6	69
41	The sensitivity and vulnerability of terrestrial habitats and species in Britain and Ireland to climate change. Journal for Nature Conservation, 2003, 11, 15-23.	1.8	66
42	Integrating multiple modelling approaches to predict the potential impacts of climate change on species' distributions in contrasting regions: comparison and implications for policy. Environmental Science and Policy, 2006, 9, 129-147.	4.9	64
43	Climate change impacts and vegetation response on the island of Madagascar. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 55-59.	3.4	62
44	Geospatial tools address emerging issues in spatial ecology: a review and commentary on the Special Issue. International Journal of Geographical Information Science, 2011, 25, 337-365.	4.8	59
45	Progress in invasive plants research. Progress in Physical Geography, 2006, 30, 25-46.	3.2	58
46	Predicted response of the lichen epiphyte Lecanora populicola to climate change scenarios in a clean-air region of Northern Britain. Biological Conservation, 2007, 135, 396-404.	4.1	58
47	Climate and cholera in KwaZulu-Natal, South Africa: The role of environmental factors and implications for epidemic preparedness. International Journal of Hygiene and Environmental Health, 2008, 211, 156-162.	4.3	57
48	The biochemical decomposition of slash pine needles from reflectance spectra using neural networks. International Journal of Remote Sensing, 1998, 19, 1433-1438.	2.9	54
49	Potential effects of climate change on plant communities in three montane nature reserves in Scotland, UK. Biological Conservation, 2008, 141, 1665-1675.	4.1	53
50	Avifaunal responses to habitat fragmentation in the threatened littoral forests of south-eastern Madagascar. Journal of Biogeography, 2004, 31, 1791-1807.	3.0	51
51	Navigating the Perfect Storm: Research Strategies for Socialecological Systems in a Rapidly Evolving World. Environmental Management, 2012, 49, 767-775.	2.7	47
52	Reef Fishes at All Trophic Levels Respond Positively to Effective Marine Protected Areas. PLoS ONE, 2015, 10, e0140270.	2.5	46
53	Developing Summary Measures of Health-Related Multiple Physical Environmental Deprivation for Epidemiological Research. Environment and Planning A, 2010, 42, 1650-1668.	3.6	44
54	Observations of forest stand top height and mean height from interferometric SAR and LiDAR over a conifer plantation at Thetford Forest, UK. International Journal of Remote Sensing, 2007, 28, 1173-1197.	2.9	39

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55	Global Hotspots of Conflict Risk between Food Security and Biodiversity Conservation. Land, 2017, 6, 67.	2.9	37
56	The carbon pool in a British semi-natural woodland. Forestry, 2003, 76, 109-119.	2.3	36
57	Conceptualising the analysis of socio-ecological systems through ecosystem services and agent-based modelling. Journal of Land Use Science, 2011, 6, 83-99.	2.2	33
58	A Continental-Scale Validation of Ecosystem Service Models. Ecosystems, 2019, 22, 1902-1917.	3.4	28
59	Projecting Climate Change Impacts on Mountain Snow Cover in Central Scotland from Historical Patterns. Arctic, Antarctic, and Alpine Research, 2007, 39, 488-499.	1.1	25
60	Developing a diagnostic model for estimating terrestrial vegetation gross primary productivity using the photosynthetic quantum yield and Earth Observation data. Global Change Biology, 2013, 19, 2878-2892.	9.5	24
61	Evidence-based selection of environmental factors and datasets for measuring multiple environmental deprivation in epidemiological research. Environmental Health, 2009, 8, S18.	4.0	23
62	Conceptual advancement of socio-ecological modelling of ecosystem services for re-evaluating Brownfield land. Ecosystem Services, 2018, 33, 29-39.	5.4	23
63	Satellite Remote Sensing in Shark and Ray Ecology, Conservation and Management. Frontiers in Marine Science, 2019, 6, .	2.5	23
64	Ensembles of ecosystem service models can improve accuracy and indicate uncertainty. Science of the Total Environment, 2020, 747, 141006.	8.0	23
65	Tree Structure and Diversity in Human-Impacted Littoral Forests, Madagascar. Environmental Management, 2005, 35, 779-798.	2.7	22
66	Technical Note: Interâ€annual analysis of deforestation hotspots in Madagascar from high temporal resolution satellite observations. International Journal of Remote Sensing, 2005, 26, 1447-1461.	2.9	21
67	Comparing the impact of future cropland expansion on global biodiversity and carbon storage across models and scenarios. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190189.	4.0	21
68	Marine invasive species: establishing pathways, their presence and potential threats in the Galapagos Marine Reserve. Pacific Conservation Biology, 2016, 22, 377.	1.0	19
69	The relationship between forest cover and diet quality: a case study of rural southern Malawi. Food Security, 2019, 11, 635-650.	5.3	19
70	The importance of littoral forest remnants for indigenous bird conservation in southeastern Madagascar. Biodiversity and Conservation, 2005, 14, 523-545.	2.6	18
71	Selection of a network of large lakes and reservoirs suitable for global environmental change analysis using Earth Observation. International Journal of Remote Sensing, 2016, 37, 3042-3060.	2.9	18
72	The potential for estimating chlorophyll content from a vegetation canopy using the Medium Resolution Imaging Spectrometer (MERIS). International Journal of Remote Sensing, 2000, 21, 2043-2051.	2.9	15

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73	Exploring sustainable land use in forested tropical social-ecological systems: A case-study in the Wet Tropics. Journal of Environmental Management, 2019, 231, 940-952.	7.8	15
74	Analysing detection gaps in acoustic telemetry data to infer differential movement patterns in fish. Ecology and Evolution, 2021, 11, 2717-2730.	1.9	13
75	Alien invasions from space observations: detecting feral goat impacts on Isla Isabela, Galapagos Islands with the AVHRR. International Journal of Remote Sensing, 2009, 30, 423-433.	2.9	12
76	Assessing the capacity of three production efficiency models in simulating gross carbon uptake across multiple biomes in conterminous USA. Agricultural and Forest Meteorology, 2013, 174-175, 158-169.	4.8	12
77	First record of the non-native bryozoan Amathia (= Zoobotryon) verticillata (delle Chiaje, 1822) (Ctenostomata) in the GalÃ¡pagos Islands. BioInvasions Records, 2015, 4, 255-260.	1.1	12
78	Evaluation of leaf area index estimated from medium spatial resolution remote sensing data in a broadleaf deciduous forest in southern England, UK. Canadian Journal of Remote Sensing, 2011, 37, 333-347.	2.4	11
79	Climate change impacts on the ecological dynamics of two coral reef species, the humphead wrasse (Cheilinus undulatus) and crown-of-thorns starfish (Ancanthaster planci). Ecological Informatics, 2021, 65, 101399.	5.2	10
80	Evolving Marine Biosecurity in the Galapagos Islands. Management of Biological Invasions, 2015, 6, 227-230.	1.2	10
81	The impacts of a river effluent on the coastal seagrass habitats of MahÃ©, Seychelles. South African Journal of Botany, 2001, 67, 483-487.	2.5	9
82	Sustainability of wild plant use in the Andean Community of South America. Ambio, 2021, 50, 1681-1697.	5.5	9
83	Itâ€™s Just Conservation: To What Extent Are Marine Protected Areas in the Irish Sea Equitably Governed and Managed?. Frontiers in Marine Science, 0, 8, .	2.5	9
84	Airborne SAR monitoring of tree growth in a coniferous plantation. International Journal of Remote Sensing, 2008, 29, 3873-3889.	2.9	8
85	Multiple conservation designations: what impact on the effectiveness of marine protected areas in the Irish Sea?. International Journal of Sustainable Development and World Ecology, 2020, 27, 596-610.	5.9	8
86	Evaluation of the influence of two operational fraction of absorbed photosynthetically active radiation (FAPAR) products on terrestrial ecosystem productivity modelling. International Journal of Remote Sensing, 2014, 35, 321-340.	2.9	7
87	Reconstructed Marine Fisheries Catches at a Remote Island Group: Pitcairn Islands (1950â€"2014). Frontiers in Marine Science, 2017, 4, .	2.5	7
88	Who determines the trade-offs between agricultural production and environmental quality? An evolutionary perspective from rural eastern China. International Journal of Agricultural Sustainability, 2019, 17, 347-366.	3.5	7
89	Sustainable livelihoods and forest resources in Madagascar: a multi-scale analysis using remote sensing. Journal of Integrative Environmental Sciences, 2008, 5, 129-143.	0.8	6
90	The potential of trait-based approaches to contribute to marine conservation. Marine Policy, 2015, 51, 148-150.	3.2	5

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91	The role of remote sensing in the development of SMART indicators for ecosystem services assessment. Biodiversity, 2016, 17, 136-148.	1.1	5
92	It's not the 'what', but the 'how': Exploring the role of debt in natural resource (un)sustainability. PLoS ONE, 2018, 13, e0201141.	2.5	5
93	Modelling natural resource responses to climate change (the MONARCH project): an introduction. Journal for Nature Conservation, 2003, 11, 3-4.	1.8	4
94	Cropland yield divergence over Africa and its implication for mitigating food insecurity. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 707-734.	2.1	4
95	Exploring sustainable scenarios in debt-based social–ecological systems: The case for palm oil production in Indonesia. Ambio, 2020, 49, 1530-1548.	5.5	4
96	The UK Government agrees to create the world's largest marine reserve around the Pitcairn Islands, a UK Overseas Territory in the South Pacific. Pacific Conservation Biology, 2015, 21, 108.	1.0	4
97	Poverty reduction must not exacerbate climate change. Nature, 2007, 446, 372-372.	27.8	3
98	Developing a framework for the efficient design and management of large scale marine protected areas. Marine Policy, 2018, 94, 196-203.	3.2	3
99	Developing a fisheries management plan for the Pitcairn Islands Marine Reserve. , 2020, , 271-283.		3
100	Modelling potential impacts of climate change on the bioclimatic envelope of species in Britain and Ireland. Global Ecology and Biogeography, 2002, 11, 453-462.	5.8	3
101	The Effects of the Spatial Extent on Modelling Giant Panda Distributions Using Ecological Niche Models. Sustainability, 2021, 13, 11707.	3.2	3
102	Monitoring shallow coral reef exposure to environmental stressors using satellite earth observation: the reef environmental stress exposure toolbox (<scp>RESET</scp>). Remote Sensing in Ecology and Conservation, 0, , .	4.3	3
103	The Pitcairn Islands. , 2019, , 743-764.		2
104	Countering the threat of invasive species to the Galapagos marine reserve. , 2020, , 285-298.		2
105	Ensuring the Sustainability of Coastal Small-Scale Fisheries at Pitcairn Island (South Pacific) Within a Large Scale No-Take MPA. Frontiers in Marine Science, 2021, 8, .	2.5	2
106	An amphidromic prawn, Macrobrachium latimanus (von Martens, 1868) (Decapoda: Palaemonidae), discovered on Pitcairn, a remote island in the southeastern Pacific Ocean. Journal of Crustacean Biology, 2017, 37, 503-506.	0.8	1
107	Projecting the effect of crop yield increases, dietary change and different price scenarios on land use under two different state security regimes. International Journal of Agricultural Sustainability, 2021, 19, 288-304.	3.5	1
108	Agricultural GHG emission and calorie intake nexus among different socioeconomic households of rural eastern India. Environment, Development and Sustainability, 2021, 23, 11563-11582.	5.0	1

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109	Habitat structure and proximity to forest edge affect the abundance and distribution of forest-dependent birds in tropical coastal forests of southeastern Madagascar. Biological Conservation, 2004, 120, 311-311.	4.1	0
110	Accommodating the human response for realistic adaptation planning: response to Watson and Segan. Trends in Ecology and Evolution, 2013, 28, 574-575.	8.7	0
111	Corrigendum to â€œAssessing the capacity of three production efficiency models in simulating gross carbon uptake across multiple biomes in conterminous USAâ€•[Agric. Forest Meterol. 174â€"175 (2013) 158â€"169]. Agricultural and Forest Meteorology, 2014, 189-190, 1.	4.8	0
112	Lessons Learned Replicating the Analysis of Outputs from a Social Simulation of Biodiversity Incentivisation. Advances in Intelligent Systems and Computing, 2017, , 355-365.	0.6	0