

# Toby Marthews

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8965675/publications.pdf>

Version: 2024-02-01

38  
papers

2,864  
citations

218592

26  
h-index

330025

37  
g-index

58  
all docs

58  
docs citations

58  
times ranked

5918  
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>CTFS</sc>â€Forest<sc>GEO</sc>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	4.2	473
2	How to fit nonlinear plant growth models and calculate growth rates: an update for ecologists. <i>Methods in Ecology and Evolution</i> , 2012, 3, 245-256.	2.2	446
3	Soil carbon release enhanced by increased tropical forest litterfall. <i>Nature Climate Change</i> , 2011, 1, 304-307.	8.1	221
4	Long-term thermal sensitivity of Earthâ€™s tropical forests. <i>Science</i> , 2020, 368, 869-874.	6.0	198
5	The linkages between photosynthesis, productivity, growth and biomass in lowland Amazonian forests. <i>Global Change Biology</i> , 2015, 21, 2283-2295.	4.2	146
6	Deforestation and climate feedbacks threaten the ecological integrity of southâ€™southeastern Amazonia. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120155.	1.8	118
7	Logging disturbance shifts net primary productivity and its allocation in Bornean tropical forests. <i>Global Change Biology</i> , 2018, 24, 2913-2928.	4.2	98
8	Local spatial structure of forest biomass and its consequences for remote sensing of carbon stocks. <i>Biogeosciences</i> , 2014, 11, 6827-6840.	1.3	89
9	High-resolution global topographic index values for use in large-scale hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 91-104.	1.9	85
10	The productivity, metabolism and carbon cycle of two lowland tropical forest plots in south-western Amazonia, Peru. <i>Plant Ecology and Diversity</i> , 2014, 7, 85-105.	1.0	82
11	How contemporary bioclimatic and human controls change global fire regimes. <i>Nature Climate Change</i> , 2019, 9, 690-696.	8.1	79
12	The Effectiveness of Contrasting Protected Areas in Preventing Deforestation in Madre de Dios, Peru. <i>Environmental Management</i> , 2012, 50, 645-663.	1.2	64
13	Productivity and carbon allocation in a tropical montane cloud forest in the Peruvian Andes. <i>Plant Ecology and Diversity</i> , 2014, 7, 107-123.	1.0	63
14	Plant growth rates and seed size: a reâ€evaluation. <i>Ecology</i> , 2012, 93, 1283-1289.	1.5	54
15	Social and Ecological Change over a Decade in a Village Hunting System, Central Gabon. <i>Conservation Biology</i> , 2013, 27, 270-280.	2.4	54
16	Lightâ€based Regeneration Niches: Evidence from 21 <sc>D</sc>ipterocarp Species using Sizeâ€specific <sc>RGR</sc>s. <i>Biotropica</i> , 2012, 44, 627-636.	0.8	47
17	Seasonal production, allocation and cycling of carbon in two mid-elevation tropical montane forest plots in the Peruvian Andes. <i>Plant Ecology and Diversity</i> , 2014, 7, 125-142.	1.0	47
18	The UKC2 regional coupled environmental prediction system. <i>Geoscientific Model Development</i> , 2018, 11, 1-42.	1.3	45

#	ARTICLE	IF	CITATIONS
19	The Global Ecosystems Monitoring network: Monitoring ecosystem productivity and carbon cycling across the tropics. <i>Biological Conservation</i> , 2021, 253, 108889.	1.9	42
20	High-resolution hydraulic parameter maps for surface soils in tropical South America. <i>Geoscientific Model Development</i> , 2014, 7, 711-723.	1.3	41
21	Soil drying in a tropical forest: Three distinct environments controlled by gap size. <i>Ecological Modelling</i> , 2008, 216, 369-384.	1.2	38
22	Forest community response to invasive pathogens: the case of ash dieback in a British woodland. <i>Journal of Ecology</i> , 2016, 104, 315-330.	1.9	38
23	Simulating forest productivity along a neotropical elevational transect: temperature variation and carbon use efficiency. <i>Global Change Biology</i> , 2012, 18, 2882-2898.	4.2	34
24	When will rejection of parasite nestlings by hosts of nonvicting avian brood parasites be favored? A misimprinting-equilibrium model. <i>Behavioral Ecology</i> , 2003, 14, 757-770.	1.0	30
25	Calculating downward longwave radiation under clear and cloudy conditions over a tropical lowland forest site: an evaluation of model schemes for hourly data. <i>Theoretical and Applied Climatology</i> , 2012, 107, 461-477.	1.3	30
26	Erosion of organic carbon from the Andes and its effects on ecosystem carbon dioxide balance. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 449-469.	1.3	28
27	The Impact of Human-Induced Climate Change on Regional Drought in the Horn of Africa. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4549-4566.	1.2	23
28	The 2014 Drought in the Horn of Africa: Attribution of Meteorological Drivers. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, S83-S88.	1.7	21
29	Modelling Direct Radiation and Canopy Gap Regimes in Tropical Forests. <i>Biotropica</i> , 2008, 40, 676-685.	0.8	20
30	Burial and secondary dispersal of small seeds in a tropical forest. <i>Journal of Tropical Ecology</i> , 2008, 24, 595-605.	0.5	18
31	Improvement of modeling plant responses to low soil moisture in JULESv4.9 and evaluation against flux tower measurements. <i>Geoscientific Model Development</i> , 2021, 14, 3269-3294.	1.3	15
32	Fine root dynamics across pantropical rainforest ecosystems. <i>Global Change Biology</i> , 2021, 27, 3657-3680.	4.2	13
33	Importance of including soil moisture in drought monitoring over the Brazilian semiarid region: An evaluation using the JULES model, in situ observations, and remote sensing. <i>Climate Resilience and Sustainability</i> , 2022, 1, e7.	0.9	8
34	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. <i>Global Change Biology</i> , 2022, 28, 2895-2909.	4.2	8
35	A global-scale evaluation of extreme event uncertainty in the Earth2Observe project. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 75-92.	1.9	6
36	Inundation prediction in tropical wetlands from JULES-CaMa-Flood global land surface simulations. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 3151-3175.	1.9	3

#	ARTICLE	IF	CITATIONS
37	Tropical forests. , 0, , 26-43.		2
38	The 2014 Drought in the Horn of Africa: Attribution of Meteorological Drivers. Bulletin of the American Meteorological Society, 2015, 96, S83-S88.	1.7	1