

Tommaso Jucker

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

6,404
citations

117453

34
h-index

106150

65
g-index

73
all docs

73
docs citations

73
times ranked

8398
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the fingerprint of disturbance on the three-dimensional structure of the world's forests. <i>New Phytologist</i> , 2022, 233, 612-617.	3.5	32
2	Climatic conditions, not above- and belowground resource availability and uptake capacity, mediate tree diversity effects on productivity and stability. <i>Science of the Total Environment</i> , 2022, 812, 152560.	3.9	8
3	The number of tree species on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	86
4	Invasion dynamics and potential future spread of sea spurge across Australia's coastal dunes. <i>Journal of Biogeography</i> , 2022, 49, 378-390.	1.4	3
5	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	4.2	113
6	Local-scale temperature gradients driven by human disturbance shape the physiological and morphological traits of dung beetle communities in a Bornean oil palm forest mosaic. <i>Functional Ecology</i> , 2022, 36, 1655-1667.	1.7	7
7	Tallo: A global tree allometry and crown architecture database. <i>Global Change Biology</i> , 2022, 28, 5254-5268.	4.2	24
8	Riparian buffers act as microclimatic refugia in oil palm landscapes. <i>Journal of Applied Ecology</i> , 2021, 58, 431-442.	1.9	27
9	Leech blood-meal invertebrate-derived DNA reveals differences in Bornean mammal diversity across habitats. <i>Molecular Ecology</i> , 2021, 30, 3299-3312.	2.0	24
10	Pantropical variability in tree crown allometry. <i>Global Ecology and Biogeography</i> , 2021, 30, 459-475.	2.7	27
11	Few large trees, rather than plant diversity and composition, drive the above-ground biomass stock and dynamics of temperate forests in northeast China. <i>Forest Ecology and Management</i> , 2021, 481, 118698.	1.4	28
12	Forest microclimates and climate change: Importance, drivers and future research agenda. <i>Global Change Biology</i> , 2021, 27, 2279-2297.	4.2	330
13	Recovery of logged forest fragments in a human-modified tropical landscape during the 2015-16 El Niño. <i>Nature Communications</i> , 2021, 12, 1526.	5.8	31
14	Unifying the concepts of stability and resilience in ecology. <i>Journal of Ecology</i> , 2021, 109, 3114-3132.	1.9	68
15	The impact of logging on vertical canopy structure across a gradient of tropical forest degradation intensity in Borneo. <i>Journal of Applied Ecology</i> , 2021, 58, 1764-1775.	1.9	26
16	Steps to diversify priority-setting research in conservation: reflections on de Gracia 2021. <i>Conservation Biology</i> , 2021, 35, 1324-1326.	2.4	0
17	Tree species diversity enhances plant-soil interactions in a temperate forest in northeast China. <i>Forest Ecology and Management</i> , 2021, 491, 119160.	1.4	10
18	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021, 260, 108849.	1.9	71

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19	Multi-platform LiDAR approach for detecting coarse woody debris in a landscape with varied ground cover. <i>International Journal of Remote Sensing</i> , 2021, 42, 9324-9350.	1.3	4
20	Imaging spectroscopy reveals the effects of topography and logging on the leaf chemistry of tropical forest canopy trees. <i>Global Change Biology</i> , 2020, 26, 989-1002.	4.2	37
21	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12192-12200.	3.3	140
22	Developing effective management solutions for controlling stinking passionflower (<i>Passiflora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Invasions, 2020, 22, 2737-2748.	1.2	2
23	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020, 579, 80-87.	13.7	439
24	Good things take timeâ€”Diversity effects on tree growth shift from negative to positive during stand development in boreal forests. <i>Journal of Ecology</i> , 2020, 108, 2198-2211.	1.9	21
25	Aboveâ€•and belowâ€•ground biodiversity jointly regulate temperate forest multifunctionality along a localâ€•scale environmental gradient. <i>Journal of Ecology</i> , 2020, 108, 2012-2024.	1.9	74
26	A Research Agenda for Microclimate Ecology in Human-Modified Tropical Forests. <i>Frontiers in Forests and Global Change</i> , 2020, 2, .	1.0	33
27	Historical context, current status and management priorities for introduced Asian house geckos at Ashmore Reef, north-western Australia. <i>BiolInvasions Records</i> , 2020, 9, 408-420.	0.4	0
28	Comparison of TLS and ULS Data for Wildlife Habitat Assessments in Temperate Woodlands. , 2020, , .		3
29	Reconciling the contribution of environmental and stochastic structuring of tropical forest diversity through the lens of imaging spectroscopy. <i>Ecology Letters</i> , 2019, 22, 1608-1619.	3.0	9
30	Aerial photography and dendrochronology as tools for recreating invasion histories: do they work for bitou bush (<i>Chrysanthemoides monilifera</i> subsp. <i>rotundata</i>)?. <i>Biological Invasions</i> , 2019, 21, 2983-2996.	1.2	3
31	How do trees respond to species mixing in experimental compared to observational studies?. <i>Ecology and Evolution</i> , 2019, 9, 11254-11265.	0.8	8
32	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408.	13.7	371
33	Strength in Numbers: Combining Multi-Source Remotely Sensed Data to Model Plant Invasions in Coastal Dune Ecosystems. <i>Remote Sensing</i> , 2019, 11, 275.	1.8	8
34	Multiple abiotic and biotic pathways shape biomass demographic processes in temperate forests. <i>Ecology</i> , 2019, 100, e02650.	1.5	66
35	Characterizing forest carbon dynamics using multi-temporal lidar data. <i>Remote Sensing of Environment</i> , 2019, 224, 412-420.	4.6	35
36	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019, 56, 733-744.	1.9	58

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37	Topography shapes the structure, composition and function of tropical forest landscapes. <i>Ecology Letters</i> , 2018, 21, 989-1000.	3.0	215
38	Mapped aboveground carbon stocks to advance forest conservation and recovery in Malaysian Borneo. <i>Biological Conservation</i> , 2018, 217, 289-310.	1.9	91
39	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018, 21, 31-42.	3.0	74
40	Extreme and Highly Heterogeneous Microclimates in Selectively Logged Tropical Forests. <i>Frontiers in Forests and Global Change</i> , 2018, 1, .	1.0	37
41	Canopy structure and topography jointly constrain the microclimate of humanâ€modified tropical landscapes. <i>Global Change Biology</i> , 2018, 24, 5243-5258.	4.2	158
42	Riparian reserves help protect forest bird communities in oil palm dominated landscapes. <i>Journal of Applied Ecology</i> , 2018, 55, 2744-2755.	1.9	53
43	Estimating aboveground carbon density and its uncertainty in Borneo's structurally complex tropical forests using airborne laser scanning. <i>Biogeosciences</i> , 2018, 15, 3811-3830.	1.3	47
44	Tenâ€year assessment of the 100 priority questions for global biodiversity conservation. <i>Conservation Biology</i> , 2018, 32, 1457-1463.	2.4	19
45	Area-based vs tree-centric approaches to mapping forest carbon in Southeast Asian forests from airborne laser scanning data. <i>Remote Sensing of Environment</i> , 2017, 194, 77-88.	4.6	142
46	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017, 20, 1414-1426.	3.0	244
47	Linking plant communities on land and at sea: The effects of <i>Posidonia oceanica</i> wrack on the structure of dune vegetation. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 184, 30-36.	0.9	29
48	Allometric equations for integrating remote sensing imagery into forest monitoring programmes. <i>Global Change Biology</i> , 2017, 23, 177-190.	4.2	254
49	Detecting the fingerprint of drought across Europeâ€™s forests: do carbon isotope ratios and stem growth rates tell similar stories?. <i>Forest Ecosystems</i> , 2017, 4, .	1.3	19
50	Drivers of aboveground wood production in a lowland tropical forest of West Africa: teasing apart the roles of tree density, tree diversity, soil phosphorus, and historical logging. <i>Ecology and Evolution</i> , 2016, 6, 4004-4017.	0.8	34
51	Temporal changes in the vegetation of Italian coastal dunes: identifying winners and losers through the lens of functional traits. <i>Journal of Applied Ecology</i> , 2016, 53, 1533-1542.	1.9	15
52	Jack-of-all-trades effects drive biodiversityâ€™ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016, 7, 11109.	5.8	185
53	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	6.0	864
54	Aboveground biomass estimation in tropical forests at single tree level with ALS data. , 2016, , .		1

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55	Climate modulates the effects of tree diversity on forest productivity. <i>Journal of Ecology</i> , 2016, 104, 388-398.	1.9	109
56	Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3557-3562.	3.3	196
57	Crown plasticity enables trees to optimize canopy packing in mixed-species forests. <i>Functional Ecology</i> , 2015, 29, 1078-1086.	1.7	279
58	Does Drought Influence the Relationship Between Biodiversity and Ecosystem Functioning in Boreal Forests?. <i>Ecosystems</i> , 2014, 17, 394-404.	1.6	94
59	Wood production response to climate change will depend critically on forest composition and structure. <i>Global Change Biology</i> , 2014, 20, 3632-3645.	4.2	87
60	Stabilizing effects of diversity on aboveground wood production in forest ecosystems: linking patterns and processes. <i>Ecology Letters</i> , 2014, 17, 1560-1569.	3.0	232
61	Competition for light and water play contrasting roles in driving diversity-productivity relationships in Iberian forests. <i>Journal of Ecology</i> , 2014, 102, 1202-1213.	1.9	174
62	Going beyond taxonomic diversity: deconstructing biodiversity patterns reveals the true cost of iceplant invasion. <i>Diversity and Distributions</i> , 2013, 19, 1566-1577.	1.9	51
63	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 281-291.	1.1	179
64	Response to Comment on "Plant Species Richness and Ecosystem Multifunctionality in Global Drylands". <i>Science</i> , 2012, 337, 155-155.	6.0	8
65	Comment on "Plant Species Richness and Ecosystem Multifunctionality in Global Drylands". <i>Science</i> , 2012, 337, 155-155.	6.0	26
66	Patterns of plant community assembly in invaded and non-invaded communities along a natural environmental gradient. <i>Journal of Vegetation Science</i> , 2012, 23, 483-494.	1.1	60
67	Effects of Trampling Limitation on Coastal Dune Plant Communities. <i>Environmental Management</i> , 2012, 49, 534-542.	1.2	103
68	Assessing the effects of <i>Carpobrotus</i> invasion on coastal dune soils. Does the nature of the invaded habitat matter?. <i>Community Ecology</i> , 2011, 12, 234-240.	0.5	55