Antonio Trabucco

List of Publications by Year
in descending order

41 papers	3,216 citations	257450 24 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	6072 citing authors

#	Article	IF	Citations
1	Climate change mitigation: A spatial analysis of global land suitability for clean development mechanism afforestation and reforestation. Agriculture, Ecosystems and Environment, 2008, 126, 67-80.	5.3	845
2	Global Tree Cover and Biomass Carbon on Agricultural Land: The contribution of agroforestry to global and national carbon budgets. Scientific Reports, 2016, 6, 29987.	3.3	350
3	A highâ€resolution bioclimate map of the world: a unifying framework for global biodiversity research and monitoring. Global Ecology and Biogeography, 2013, 22, 630-638.	5.8	245
4	Climate change mitigation through afforestation/reforestation: A global analysis of hydrologic impacts with four case studies. Agriculture, Ecosystems and Environment, 2008, 126, 81-97.	5.3	172
5	Towards domestication ofJatropha curcas. Biofuels, 2010, 1, 91-107.	2.4	159
6	Version 3 of the Global Aridity Index and Potential Evapotranspiration Database. Scientific Data, 2022, 9, .	5.3	151
7	Climatic growing conditions of Jatropha curcas L.. Biomass and Bioenergy, 2009, 33, 1481-1485.	5.7	145
8	Jatropha: From global hype to local opportunity. Journal of Arid Environments, 2010, 74, 164-165.	2.4	136
9	Environmental stratification to model climate change impacts on biodiversity and rubber production in Xishuangbanna, Yunnan, China. Biological Conservation, 2014, 170, 264-273.	4.1	79
10	Projected impact of climate change on the effectiveness of the existing protected area network for biodiversity conservation within Yunnan Province, China. Biological Conservation, 2015, 184, 335-345.	4.1	70
11	Multi-Stakeholder Development of a Serious Game to Explore the Water-Energy-Food-Land-Climate Nexus: The SIM4NEXUS Approach. Water (Switzerland), 2018, 10, 139.	2.7	69
12	Environmental stratifications as the basis for national, European and global ecological monitoring. Ecological Indicators, 2013, 33, 26-35.	6.3	66
13	Projected climate change impacts on spatial distribution of bioclimatic zones and ecoregions within the Kailash Sacred Landscape of China, India, Nepal. Climatic Change, 2014, 125, 445-460.	3.6	62
14	Predicting range shifts of Asian elephants under global change. Diversity and Distributions, 2019, 25, 822-838.	4.1	62
15	Operational resilience of reservoirs to climate change, agricultural demand, and tourism: A case study from Sardinia. Science of the Total Environment, 2016, 543, 1028-1038.	8.0	59
16	A risk assessment framework for irrigated agriculture under climate change. Advances in Water Resources, 2017, 110, 562-578.	3.8	55
17	Global mapping of Jatropha curcas yield based on response of fitness to present and future climate. GCB Bioenergy, 2010, 2, 139-151.	5.6	54
18	Pan-Tropical Analysis of Climate Effects on Seasonal Tree Growth. PLoS ONE, 2014, 9, e92337.	2.5	50

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19	Specific leaf area and hydraulic traits explain niche segregation along an aridity gradient in Mediterranean woody species. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 21, 23-30.	2.7	47
20	Anticipating Climatic Variability: The Potential of Ecological Calendars. Human Ecology, 2018, 46, 249-257.	1.4	35
21	Global greenhouse gas implications of land conversion to biofuel crop cultivation in arid and semi-arid lands â€“ Lessons learned from Jatropha. Journal of Arid Environments, 2013, 98, 135-145.	2.4	34
22	Potential, realised, future distribution and environmental suitability for Pterocarpus angolensis DC in southern Africa. Forest Ecology and Management, 2014, 315, 211-226.	3.2	32
23	Does energy dissipation increase with ecosystem succession? Testing the ecosystem exergy theory combining theoretical simulations and thermal remote sensing observations. Ecological Modelling, 2011, 222, 3917-3941.	2.5	31
24	A modelling platform for climate change impact on local and regional crop water requirements. Agricultural Water Management, 2021, 255, 107005.	5.6	27
25	Assessment of Irrigated Agriculture Vulnerability under Climate Change in Southern Italy. Water (Switzerland), 2018, 10, 209.	2.7	25
26	The future distribution of the savannah biome: model-based and biogeographic contingency. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150311.	4.0	22
27	Land Area Eligible for Afforestation and Reforestation within the Clean Development Mechanism: A Global Analysis of the Impact of Forest Definition. Mitigation and Adaptation Strategies for Global Change, 2008, 13, 219-239.	2.1	21
28	Random subset feature selection for ecological niche models of wildfire activity in Western North America. Ecological Modelling, 2018, 383, 52-68.	2.5	18
29	Ecological traits of Mediterranean tree species as a basis for modelling forest dynamics in the Taurus mountains, Turkey. Ecological Modelling, 2014, 286, 53-65.	2.5	13
30	Modeling high-resolution climate change impacts on wheat and maize in Italy. Climate Risk Management, 2021, 33, 100339.	3.2	13
31	Engaging Transformation: Using Seasonal Rounds to Anticipate Climate Change. Human Ecology, 2021, 49, 509-523.	1.4	11
32	Tree seedling vitality improves with functional diversity in a Mediterranean common garden experiment. Forest Ecology and Management, 2018, 409, 614-633.	3.2	10
33	Modeling ozone uptake by urban and peri-urban forest: a case study in the Metropolitan City of Rome. Environmental Science and Pollution Research, 2018, 25, 8190-8205.	5.3	9
34	Global carbon sequestration potential of agroforestry and increased tree cover on agricultural land. Circular Agricultural Systems, 2022, 2, 1-10.	0.7	9
35	Understanding global climate change scenarios through bioclimate stratification. Environmental Research Letters, 2017, 12, 084002.	5.2	7
36	Coexistence trend contingent to Mediterranean oaks with different leaf habits. Ecology and Evolution, 2017, 7, 3006-3015.	1.9	5

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37	The economics and greenhouse gas balance of land conversion to <scp>J</scp>atropha: the case of <scp>T</scp>anzania. GCB Bioenergy, 2015, 7, 302-315.	5.6	4
38	Environmental filtering drives community specific leaf area in Spanish forests and predicts relevant changes under future climatic conditions. Forest Ecology and Management, 2017, 405, 1-8.	3.2	4
39	A height-wood-seed axis which is preserved across climatic regions explains tree dominance in European forest communities. Plant Ecology, 2019, 220, 467-480.	1.6	4
40	A kingdom in decline: Holocene range contraction of the lion (Panthera leo) modelled with global environmental stratification. PeerJ, 2021, 9, e10504.	2.0	3
41	Performances of climatic indicators from seasonal forecasts for ecosystem management: The case of Central Europe and the Mediterranean. Agricultural and Forest Meteorology, 2022, 319, 108921.	4.8	2