Sassan Saatchi

List of Publications by Year
in descending order

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36	5,050	304368	344852
papers	citations	22 h-index	36 g-index

36	36	36	8802
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CARDAMOM-FluxVal version 1.0: a FLUXNET-based validation system for CARDAMOM carbon and water flux estimates. Geoscientific Model Development, 2022, 15, 1789-1802.	1.3	5
2	Bamboo phenology and life cycle drive seasonal and longâ€term functioning of Amazonian bambooâ€dominated forests. Journal of Ecology, 2021, 109, 860-876.	1.9	11
3	Satellite Observations of the Tropical Terrestrial Carbon Balance and Interactions With the Water Cycle During the 21st Century. Reviews of Geophysics, 2021, 59, e2020RG000711.	9.0	13
4	Mature Andean forests as globally important carbon sinks and future carbon refuges. Nature Communications, 2021, 12, 2138.	5.8	26
5	Detecting vulnerability of humid tropical forests to multiple stressors. One Earth, 2021, 4, 988-1003.	3.6	41
6	A simulation method to infer tree allometry and forest structure from airborne laser scanning and forest inventories. Remote Sensing of Environment, 2020, 251, 112056.	4.6	17
7	Recent Amplified Global Gross Primary Productivity Due to Temperature Increase Is Offset by Reduced Productivity Due to Water Constraints. AGU Advances, 2020, 1, e2020AV000180.	2.3	50
8	Below-surface water mediates the response of African forests to reduced rainfall. Environmental Research Letters, 2020, 15, 034063.	2.2	18
9	Tropical forests did not recover from the strong 2015â€“2016 El NiÃ±o event. Science Advances, 2020, 6, eaay4603.	4.7	127
10	Fire decline in dry tropical ecosystems enhances decadal land carbon sink. Nature Communications, 2020, 11, 1900.	5.8	30
11	Gap models across micro- to mega-scales of time and space: examples of Tansleyâ€™s ecosystem concept. Forest Ecosystems, 2020, 7, .	1.3	12
12	Human and Climate Effects on the Hamoun Wetlands. Weather, Climate, and Society, 2019, 11, 609-622.	0.5	22
13	Ground Data are Essential for Biomass Remote Sensing Missions. Surveys in Geophysics, 2019, 40, 863-880.	2.1	91
14	The European Space Agency BIOMASS mission: Measuring forest above-ground biomass from space. Remote Sensing of Environment, 2019, 227, 44-60.	4.6	172
15	Forest degradation and biomass loss along the ChocÃ³ region of Colombia. Carbon Balance and Management, 2019, 14, 2.	1.4	23
16	21st Century drought-related fires counteract the decline of Amazon deforestation carbon emissions. Nature Communications, 2018, 9, 536.	5.8	485
17	Canopy area of large trees explains aboveground biomass variations across neotropical forest landscapes. Biogeosciences, 2018, 15, 3377-3390.	1.3	32
18	Mechanistic Processes Controlling Persistent Changes of Forest Canopy Structure After 2005 Amazon Drought. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3378-3390.	1.3	2

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19	Greenhouse gas emissions intensity of globalÂcroplands. Nature Climate Change, 2017, 7, 63-68.	8.1	414
20	Abiotic Controls on Macroscale Variations of Humid Tropical Forest Height. Remote Sensing, 2016, 8, 494.	1.8	11
21	Seeing the forest beyond the trees. Global Ecology and Biogeography, 2015, 24, 606-610.	2.7	56
22	Observing terrestrial ecosystems and the carbon cycle from space. Global Change Biology, 2015, 21, 1762-1776.	4.2	339
23	Spatial conservation planning framework for assessing conservation opportunities in the Atlantic Forest of Brazil. Applied Geography, 2014, 53, 369-376.	1.7	4
24	Global covariation of carbon turnover times with climate in terrestrial ecosystems. Nature, 2014, 514, 213-217.	13.7	648
25	Environmental change and the carbon balance of <scp>A</scp>mazonian forests. Biological Reviews, 2014, 89, 913-931.	4.7	208
26	Widespread decline of Congo rainforest greenness in the past decade. Nature, 2014, 509, 86-90.	13.7	351
27	Compositional shifts in <scp>C</scp>osta <scp>R</scp>ican forests due to climateâ€driven species migrations. Global Change Biology, 2013, 19, 3472-3480.	4.2	87
28	Forest productivity and water stress in Amazonia: observations from GOSAT chlorophyll fluorescence. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130171.	1.2	245
29	Response of African humid tropical forests to recent rainfall anomalies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120306.	1.8	75
30	Persistent effects of a severe drought on Amazonian forest canopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 565-570.	3.3	334
31	PREFACE: DESDynI VEG-3D Special Issue. Remote Sensing of Environment, 2011, 115, 2752.	4.6	5
32	Upslope migration of Andean trees. Journal of Biogeography, 2011, 38, 783-791.	1.4	306
33	The production, storage, and flow of carbon in Amazonian forests. Geophysical Monograph Series, 2009, , 355-372.	0.1	19
34	Predicting species distributions across the Amazonian and Andean regions using remote sensing data. Journal of Biogeography, 2008, 35, 1160-1176.	1.4	178
35	Measuring and modelling biodiversity from space. Progress in Physical Geography, 2008, 32, 203-221.	1.4	303
36	Interactions between rainfall, deforestation and fires during recent years in the Brazilian Amazonia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1779-1785.	1.8	290