

Adam Wolf

List of Publications by Year in descending order

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27
papers

2,093
citations

430874

18
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

4188
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosynthetic seasonality of global tropical forests constrained by hydroclimate. <i>Nature Geoscience</i> , 2015, 8, 284-289.	12.9	337
2	Global nutrient transport in a world of giants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 868-873.	7.1	308
3	Optimal stomatal behavior with competition for water and risk of hydraulic impairment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7222-E7230.	7.1	215
4	The legacy of the Pleistocene megafauna extinctions on nutrient availability in Amazonia. <i>Nature Geoscience</i> , 2013, 6, 761-764.	12.9	149
5	A coupled model of the global cycles of carbonyl sulfide and CO ₂ : A possible new window on the carbon cycle. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 842-852.	3.0	149
6	Woody plants optimise stomatal behaviour relative to hydraulic risk. <i>Ecology Letters</i> , 2018, 21, 968-977.	6.4	109
7	Megafauna extinction, tree species range reduction, and carbon storage in Amazonian forests. <i>Ecography</i> , 2016, 39, 194-203.	4.5	86
8	Plant water potential improves prediction of empirical stomatal models. <i>PLoS ONE</i> , 2017, 12, e0185481.	2.5	77
9	Lateral Diffusion of Nutrients by Mammalian Herbivores in Terrestrial Ecosystems. <i>PLoS ONE</i> , 2013, 8, e71352.	2.5	76
10	Biophysical feedbacks between the Pleistocene megafauna extinction and climate: The first human-induced global warming?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	68
11	Salt marsh-atmosphere exchange of energy, water vapor, and carbon dioxide: Effects of tidal flooding and biophysical controls. <i>Water Resources Research</i> , 2010, 46, .	4.2	67
12	Effects of different eddy covariance correction schemes on energy balance closure and comparisons with the modified Bowen ratio system. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 942-952.	4.8	61
13	Forest biomass allometry in global land surface models. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	52
14	Altitudinal shifts of the native and introduced flora of California in the context of 20th-century warming. <i>Global Ecology and Biogeography</i> , 2016, 25, 418-429.	5.8	51
15	Allometric growth and allocation in forests: a perspective from FLUXNET. , 2011, 21, 1546-1556.		46
16	Inverse estimation of V _{cmax} , leaf area index, and the Ball-Berry parameter from carbon and energy fluxes. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	45
17	Detecting Tree-like Multicellular Life on Extrasolar Planets. <i>Astrobiology</i> , 2010, 10, 869-879.	3.0	37
18	Seasonal coupling of canopy structure and function in African tropical forests and its environmental controls. <i>Ecosphere</i> , 2013, 4, 1-21.	2.2	36

#	ARTICLE	IF	CITATIONS
19	Interdependency of plants and animals in controlling the sodium balance of ecosystems and the impacts of global defaunation. <i>Ecography</i> , 2016, 39, 204-212.	4.5	27
20	Towards understanding the variability in biospheric CO ₂ fluxes: using FTIR spectrometry and a chemical transport model to investigate the sources and sinks of carbonyl sulfide and its link to CO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2123-2138.	4.9	20
21	The impact of large animal extinctions on nutrient fluxes in early river valley civilizations. <i>Ecosphere</i> , 2013, 4, 1-17.	2.2	17
22	Improved removal of volatile organic compounds for laser-based spectroscopy of water isotopes. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 784-790.	1.5	15
23	Allometric constraints on sources of variability in multi-angle reflectance measurements. <i>Remote Sensing of Environment</i> , 2010, 114, 1205-1219.	11.0	12
24	Comment on "Changes in Climatic Water Balance Drive Downhill Shifts in Plant Species' Optimum Elevations". <i>Science</i> , 2011, 334, 177-177.	12.6	11
25	Robust detection of plant species distribution shifts under biased sampling regimes. <i>Ecosphere</i> , 2011, 2, art115.	2.2	10
26	Changing NPP consumption patterns in the Holocene: From megafauna-liberated NPP to "ecological bankruptcy". <i>Infrastructure Asset Management</i> , 2016, 3, 174-187.	1.6	7
27	Detecting 3D Vegetation Structure with the Galileo Space Probe: Can a Distant Probe Detect Vegetation Structure on Earth?. <i>PLoS ONE</i> , 2016, 11, e0167188.	2.5	5