

Eyal Rotenberg

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

3,522
citations

15
h-index

28
g-index

28
ext. papers

4,026
ext. citations

8.1
avg. IF

4.64
L-index

#	Paper	IF	Citations
25	On the separation of net ecosystem exchange into assimilation and ecosystem respiration: review and improved algorithm. <i>Global Change Biology</i> , 2005 , 11, 1424-1439	11.4	2253
24	Contribution of semi-arid forests to the climate system. <i>Science</i> , 2010 , 327, 451-4	33.3	376
23	Patterns and controls of the variability of radiation use efficiency and primary productivity across terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2010 , 19, 253-267	6.1	158
22	Ecosystem photosynthesis inferred from measurements of carbonyl sulphide flux. <i>Nature Geoscience</i> , 2013 , 6, 186-190	18.3	112
21	Physiology-phenology interactions in a productive semi-arid pine forest. <i>New Phytologist</i> , 2008 , 178, 603-16	9.8	104
20	Respiration acclimation contributes to high carbon-use efficiency in a seasonally dry pine forest. <i>Global Change Biology</i> , 2008 , 14, 1553-1567	11.4	89
19	Quantifying transpirable soil water and its relations to tree water use dynamics in a water-limited pine forest. <i>Ecohydrology</i> , 2014 , 7, 409-419	2.5	59
18	Distinct patterns of changes in surface energy budget associated with forestation in the semiarid region. <i>Global Change Biology</i> , 2011 , 17, 1536-1548	11.4	58
17	Radiation measurement for plant ecophysiology. <i>Journal of Experimental Botany</i> , 2003 , 54, 879-89	7	54
16	Resilience to seasonal heat wave episodes in a Mediterranean pine forest. <i>New Phytologist</i> , 2016 , 210, 485-96	9.8	49
15	Secondary circulations at a solitary forest surrounded by semi-arid shrubland and their impact on eddy-covariance measurements. <i>Agricultural and Forest Meteorology</i> , 2015 , 211-212, 115-127	5.8	48
14	Water limitation to soil CO ₂ efflux in a pine forest at the semiarid timberline. <i>Journal of Geophysical Research</i> , 2009 , 114,		37
13	Ecohydrology of a semi-arid forest: partitioning among water balance components and its implications for predicted precipitation changes. <i>Ecohydrology</i> , 2009 , 3, n/a-n/a	2.5	36
12	Partitioning evapotranspiration and its long-term evolution in a dry pine forest using measurement-based estimates of soil evaporation. <i>Agricultural and Forest Meteorology</i> , 2020 , 281, 107831	5.8	18
11	Scalewise invariant analysis of the anisotropic Reynolds stress tensor for atmospheric surface layer and canopy sublayer turbulent flows. <i>Physical Review Fluids</i> , 2018 , 3,	2.8	17
10	Evidence for large carbon sink and long residence time in semiarid forests based on 15 year flux and inventory records. <i>Global Change Biology</i> , 2020 , 26, 1626-1637	11.4	12
9	Energy, Radiation and Temperature Regulation in Plants 2011 ,		9

8	Systematic errors in the measurement of emissivity caused by directional effects. <i>Applied Optics</i> , 2003 , 42, 1839-46	1.7	9
7	Effect of Secondary Circulations on the Surface-Atmosphere Exchange of Energy at an Isolated Semi-arid Forest. <i>Boundary-Layer Meteorology</i> , 2018 , 169, 209-232	3.4	8
6	Method for accurate measurement of infrared emissivity for opaque low-reflectance materials. <i>Applied Optics</i> , 2019 , 58, 4599-4609	1.7	6
5	Effect of Surface Heterogeneity on the Boundary-Layer Height: A Case Study at a Semi-Arid Forest. <i>Boundary-Layer Meteorology</i> , 2018 , 169, 233-250	3.4	6
4	Contrasting turbulent transport regimes explain cooling effect in a semi-arid forest compared to surrounding shrubland. <i>Agricultural and Forest Meteorology</i> , 2019 , 269-270, 19-27	5.8	1
3	Assessing model performance via the most limiting environmental driver in two differently stressed pine stands. <i>Ecological Applications</i> , 2021 , 31, e02312	4.9	1
2	'Dual-reference' method for high-precision infrared measurement of leaf surface temperature under field conditions. <i>New Phytologist</i> , 2021 , 232, 2535-2546	9.8	1
1	Evidence for efficient nonevaporative leaf-to-air heat dissipation in a pine forest under drought conditions. <i>New Phytologist</i> , 2021 , 232, 2254-2266	9.8	1