

Jasper Bloemen

List of Publications by Year in descending order

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13
papers

873
citations

840776

11
h-index

1125743

13
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13
all docs

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docs citations

13
times ranked

1331
citing authors

#	ARTICLE	IF	CITATIONS
1	Research frontiers for improving our understanding of drought-induced tree and forest mortality. <i>New Phytologist</i> , 2018, 218, 15-28.	7.3	334
2	Transport of root-respired CO ₂ via the transpiration stream affects aboveground carbon assimilation and CO ₂ efflux in trees. <i>New Phytologist</i> , 2013, 197, 555-565.	7.3	128
3	Xylem embolism refilling and resilience against drought-induced mortality in woody plants: processes and trade-offs. <i>Ecological Research</i> , 2018, 33, 839-855.	1.5	116
4	Woody tissue photosynthesis in trees: salve on the wounds of drought?. <i>New Phytologist</i> , 2015, 208, 998-1002.	7.3	73
5	How important is woody tissue photosynthesis in poplar during drought stress?. <i>Trees - Structure and Function</i> , 2016, 30, 63-72.	1.9	62
6	Stem girdling affects the quantity of CO ₂ transported in xylem as well as CO ₂ efflux from soil. <i>New Phytologist</i> , 2014, 201, 897-907.	7.3	37
7	Assimilation of xylem-transported CO ₂ is dependent on transpiration rate but is small relative to atmospheric fixation. <i>Journal of Experimental Botany</i> , 2013, 64, 2129-2138.	4.8	34
8	Internal recycling of respired CO ₂ may be important for plant functioning under changing climate regimes. <i>Plant Signaling and Behavior</i> , 2013, 8, e27530.	2.4	22
9	Root xylem CO ₂ flux: an important but unaccounted-for component of root respiration. <i>Trees - Structure and Function</i> , 2016, 30, 343-352.	1.9	18
10	Fate of xylem-transported ¹¹ C and ¹³ C-labeled CO ₂ in leaves of poplar. <i>Physiologia Plantarum</i> , 2015, 153, 555-564.	5.2	17
11	Respiration and CO ₂ Fluxes in Trees. <i>Advances in Photosynthesis and Respiration</i> , 2017, , 181-207.	1.0	12
12	Axial diffusion of respired CO ₂ confounds stem respiration estimates during the dormant season. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.0	11
13	High-Resolution in vivo Imaging of Xylem-Transported CO ₂ in Leaves Based on Real-Time ¹¹ C-Tracing. <i>Frontiers in Forests and Global Change</i> , 2019, 2, .	2.3	9