

Juergen Burkhardt

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

796
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	Stomatal penetration by aqueous solutions – an update involving leaf surface particles. <i>New Phytologist</i> , 2012, 196, 774-787.	7.3	197
2	Hygroscopic particles on leaves: nutrients or desiccants?. <i>Ecological Monographs</i> , 2010, 80, 369-399.	5.4	181
3	Evidence for the Uptake of Large Anions through Stomatal Pores. <i>Botanica Acta</i> , 1998, 111, 461-466.	1.6	77
4	“Breath figures” on leaf surfaces – formation and effects of microscopic leaf wetness. <i>Frontiers in Plant Science</i> , 2013, 4, 422.	3.6	77
5	Particulate pollutants are capable to “degrade” epicuticular waxes and to decrease the drought tolerance of Scots pine (<i>Pinus sylvestris</i> L.). <i>Environmental Pollution</i> , 2014, 184, 659-667.	7.5	77
6	Water activity in Venus’s uninhabitable clouds and other planetary atmospheres. <i>Nature Astronomy</i> , 2021, 5, 665-675.	10.1	45
7	The exclusion of ambient aerosols changes the water relations of sunflower (<i>Helianthus annuus</i>) and bean (<i>Vicia faba</i>) plants. <i>Environmental and Experimental Botany</i> , 2013, 88, 43-52.	4.2	28
8	Ambient aerosol increases minimum leaf conductance and alters the aperture–flux relationship as stomata respond to vapor pressure deficit (VPD). <i>New Phytologist</i> , 2018, 219, 275-286.	7.3	26
9	How does the VPD response of isohydric and anisohydric plants depend on leaf surface particles?. <i>Plant Biology</i> , 2016, 18, 91-100.	3.8	25
10	Camouflaged as degraded wax: hygroscopic aerosols contribute to leaf desiccation, tree mortality, and forest decline. <i>Environmental Research Letters</i> , 2018, 13, 085001.	5.2	22
11	Xeromorphic traits help to maintain photosynthesis in the perhumid climate of a Taiwanese cloud forest. <i>Oecologia</i> , 2017, 184, 609-621.	2.0	14
12	Hygroscopic salts support the stomatal penetration of glyphosate and influence its biological efficacy. <i>Weed Biology and Management</i> , 2014, 14, 186-197.	1.4	12
13	Heterogeneity of Stomatal Pore Area Is Suppressed by Ambient Aerosol in the Homobaric Species, <i>Vicia faba</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 897.	3.6	9
14	Tank-mix of chlorantraniliprole and manganese foliar fertilizers: Impact on rheological characteristics, deposit properties and cuticular penetration. <i>Crop Protection</i> , 2018, 106, 50-57.	2.1	6