

Angelica Casanova-Katny

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,545
citations

567281

15
h-index

477307

29
g-index

37
all docs

37
docs citations

37
times ranked

2765
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil carbon storage controlled by interactions between geochemistry and climate. <i>Nature Geoscience</i> , 2015, 8, 780-783.	12.9	509
2	The best for the guest: high Andean nurse cushions of <i>Azorella madreporica</i> enhance arbuscular mycorrhizal status in associated plant species. <i>Mycorrhiza</i> , 2011, 21, 613-622.	2.8	316
3	Cold resistance in Antarctic angiosperms. <i>Physiologia Plantarum</i> , 2001, 111, 55-65.	5.2	120
4	Global maps of soil temperature. <i>Global Change Biology</i> , 2022, 28, 3110-3144.	9.5	113
5	Antarctic hairgrass expansion in the South Shetland archipelago and Antarctic Peninsula revisited. <i>Polar Biology</i> , 2011, 34, 1679-1688.	1.2	51
6	Increase of photosynthesis and starch in potato under elevated CO ₂ is dependent on leaf age. <i>Journal of Plant Physiology</i> , 2005, 162, 429-438.	3.5	45
7	Antarctic moss carpets facilitate growth of <i>Deschampsia antarctica</i> but not its survival. <i>Polar Biology</i> , 2012, 35, 1869-1878.	1.2	44
8	Photosynthetic and stomatal responses of potatoes grown under elevated CO ₂ and/or O ₃ results from the European CHIP-programme. <i>European Journal of Agronomy</i> , 2002, 17, 337-352.	4.1	43
9	It Is Hot in the Sun: Antarctic Mosses Have High Temperature Optima for Photosynthesis Despite Cold Climate. <i>Frontiers in Plant Science</i> , 2020, 11, 1178.	3.6	40
10	Refuges of Antarctic diversity. , 2020, , 181-200.		32
11	Competition between native Antarctic vascular plants and invasive <i>Poa annua</i> changes with temperature and soil nitrogen availability. <i>Biological Invasions</i> , 2018, 20, 1597-1610.	2.4	28
12	Post-fire seedlings of <i>Nothofagus alpina</i> in Southern Chile show strong dominance of a single ectomycorrhizal fungus and a vertical shift in root architecture. <i>Plant and Soil</i> , 2008, 313, 237-250.	3.7	20
13	The pioneer lichen <i>Placopsis</i> in maritime Antarctica: Genetic diversity of their mycobionts and green algal symbionts, and their correlation with deglaciation time. <i>Symbiosis</i> , 2019, 79, 1-24.	2.3	19
14	Reproductive output of mosses under experimental warming on Fildes Peninsula, King George Island, maritime Antarctica. <i>Revista Chilena De Historia Natural</i> , 2016, 89, .	1.2	18
15	Soluble carbohydrate content variation in <i>Sanionia uncinata</i> and <i>Polytrichastrum alpinum</i> , two Antarctic mosses with contrasting desiccation capacities. <i>Biological Research</i> , 2016, 49, 6.	3.4	18
16	Passive warming reduces stress and shifts reproductive effort in the Antarctic moss, <i>Polytrichastrum alpinum</i> . <i>Annals of Botany</i> , 2017, 119, 27-38.	2.9	18
17	Species-specific effects of passive warming in an Antarctic moss system. <i>Royal Society Open Science</i> , 2019, 6, 190744.	2.4	16
18	Passive warming effect on soil microbial community and humic substance degradation in maritime Antarctic region. <i>Journal of Basic Microbiology</i> , 2018, 58, 513-522.	3.3	15

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19	Geocology and Historical Heritage in the Ice-Free Area of Elephant Point (Antarctica). Proposal for Future Environmental Protection. <i>Geoheritage</i> , 2017, 9, 97-109.	2.8	10
20	Do Antarctic lichens modify microclimate and facilitate vascular plants in the maritime Antarctic? A comment to Molina & Montenegro et al. (<i>J. Journal of Vegetation Science</i> , 2014, 25, 601-605).	2.2	9
21	Bayesian methods for comparing species physiological and ecological response curves. <i>Ecological Informatics</i> , 2016, 34, 35-43.	5.2	9
22	Warming impacts potential germination of non-native plants on the Antarctic Peninsula. <i>Communications Biology</i> , 2021, 4, 403.	4.4	9
23	Inhibition of Primary Photosynthesis in Desiccating Antarctic Lichens Differing in Their Photobionts, Thallus Morphology, and Spectral Properties. <i>Microorganisms</i> , 2021, 9, 818.	3.6	9
24	<i>Deschampsia antarctica</i> Desv. primary photochemistry performs differently in plants grown in the field and laboratory. <i>Polar Biology</i> , 2010, 33, 477-483.	1.2	8
25	Mycotrophy in <i>Gilliesieae</i> , a threatened and poorly known tribe of <i>Alliaceae</i> from central Chile. <i>Revista Chilena De Historia Natural</i> , 2012, 85, 179-186.	1.2	6
26	Open top chamber microclimate may limit photosynthetic processes in Antarctic lichen: Case study from King George Island, Antarctica. <i>Czech Polar Reports</i> , 2019, 9, 61-77.	0.6	6
27	Resistance of Antarctic moss <i>Sanionia uncinata</i> to photoinhibition: chlorophyll fluorescence analysis of samples from the western and eastern coasts of the Antarctic Peninsula. <i>Plant Biology</i> , 2021, 23, 653-663.	3.8	4
28	Non-structural carbohydrate content in cryptogamic Antarctic species after two years of passive warming on the Fildes Peninsula. <i>Czech Polar Reports</i> , 2015, 5, 88-98.	0.6	3
29	Dehydration and Freezing Resistance of Lichenized Fungi. , 2017, , 77-102.		2
30	Sequestrate syndrome in <i>Bondarzewia guaitecasensis</i> (Fungi). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Phytotaxa</i> , 2020, 474, 272-282.	0.3	2
31	A comparative analysis of gaseous phase hydration properties of two lichenized fungi: <i>Niebla tigrina</i> (Follman) Rundel & Bowler from Atacama Desert and <i>Umbilicaria antarctica</i> Frey & I. M. Lamb from Robert Island, Southern Shetlands Archipelago, maritime Antarctica. <i>Extremophiles</i> , 2021, 25, 267-283.	2.3	1
32	Nuevos registros de hongos desertícolas en los Parques Nacionales Nevado Tres Cruces y Pan de Azúcar, Región de Atacama, Chile. <i>Gayana - Botanica</i> , 2020, 77, 67-72.	0.2	1
33	Diversity and Host Relationships of the Mycoparasite <i>Sepedonium</i> (Hypocreales, Ascomycota) in Temperate Central Chile. <i>Microorganisms</i> , 2021, 9, 2261.	3.6	1
34	Diversidad de musgos en comunidades vegetales asociadas a una pingüinera en la Isla Decepción, Antártica marítima. <i>Gayana - Botanica</i> , 2021, 78, 56-64.	0.2	0
35	Estudio preliminar de líquenes del orden Peltigerales presentes en el Parque Ecológico y Cultural Rucamanque, Región de La Araucanía, Chile. <i>Gayana - Botanica</i> , 2021, 78, 104-111.	0.2	0
36	Contribución al conocimiento de la biota líquenica de la Reserva Nacional Katalalixar, Patagonia, Chile. <i>Gayana - Botanica</i> , 2020, 77, 38-47.	0.2	0

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37	Do new records of macrofungi indicate warming of their habitats in terrestrial Antarctic ecosystems?. Czech Polar Reports, 2020, 10, 281-296.	0.6	0