

Javier Gyenge

List of Publications by Year in descending order

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62
papers

924
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394421

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1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Does forest management affect the magnitude and direction of the afforestation effect on soil methane fluxes? A meta-analysis. <i>Forest Ecology and Management</i> , 2022, 507, 120009.	3.2	4
2	Impact of land use change on soil methane fluxes and diffusivity in Pampean plains, Argentina. <i>Agriculture, Ecosystems and Environment</i> , 2022, 329, 107866.	5.3	5
3	High Methane Uptake from Soils of Low and High Density Radiata Pine Afforestations Compared to Herbaceous Systems. <i>Journal of Sustainable Forestry</i> , 2021, 40, 99-109.	1.4	3
4	Water consumption and preliminary crop coefficients of two <i>Populus Æ—canadensis</i> clones (â€ˆ1-214â€™ and) Tj ETOq0 0 0 rgBT /Overl	0.3	0
5	Effect of combined stress (salinityâ€‰+â€‰hypoxia) and auxin rooting hormone addition on morphology and growth traits in six <i>Salix</i> spp. clones. <i>New Forests</i> , 2020, 51, 61-80.	1.7	7
6	Modeling forest site productivity using climate data and topographic imagery in <i>Pinus elliottii</i> plantations of central Argentina. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	5
7	Environmental and anthropogenic drivers of soil methane fluxes in forests: Global patterns and amongâ€‰biomes differences. <i>Global Change Biology</i> , 2020, 26, 6604-6615.	9.5	26
8	A comparison of five methods to assess embolism resistance in trees. <i>Forest Ecology and Management</i> , 2020, 468, 118175.	3.2	39
9	Yield stability and phenotypic plasticity of <i>Populus</i> spp. clones growing in environmental gradients: l-yield stability under field conditions. <i>Forest Ecology and Management</i> , 2020, 463, 117995.	3.2	2
10	INFLUENCE OF SOIL TEXTURE, CLIMATE AND VEGETATION COVER ON SECONDARY SOIL SALINIZATION IN PAMPAS PLAINS, SOUTH AMERICA. <i>Cerne</i> , 2020, 26, 212-221.	0.9	6
11	Responses in growth and physiological traits in two <i>Populus</i> â€‰â€—â€‰ <i>canadensis</i> clones (â€ˆ1-214â€™ and â€ˆ1-488â€™) submitted to different irrigation frequencies in central Chile. <i>Forest Ecology and Management</i> , 2019, 449, 117455.	3.2	8
12	New insights into wood anatomy and function relationships: How <i>Eucalyptus</i> challenges what we already know. <i>Forest Ecology and Management</i> , 2019, 454, 117638.	3.2	20
13	Essential Nutrient and Trace Element Foliar Resorption of Two Co-Existing <i>Nothofagus</i> Species Grown Under Different Environmental Conditions in Southern Patagonia. <i>Frontiers in Plant Science</i> , 2019, 10, 1542.	3.6	8
14	Production of Fodder in a Treeless System and in Silvopastoral System in Central Argentina. <i>Floresta E Ambiente</i> , 2019, 26, .	0.4	5
15	A process-based numerical approach to estimate forest groundwater consumption in flatland petrocalcic soils. <i>Journal of Hydroinformatics</i> , 2019, 21, 1130-1146.	2.4	3
16	Prediction of post-thinning stem volume in slash pine stands by means of state and transition models. <i>New Forests</i> , 2019, 50, 663-676.	1.7	2
17	Thinking in the sustainability of <i>Nothofagus antarctica</i> silvopastoral systems, how differ the responses of seedlings from different provenances to water shortage?. <i>Agroforestry Systems</i> , 2019, 93, 689-701.	2.0	4
18	STAND DENSITY MANAGEMENT DIAGRAMS OF <i>Eucalyptus viminalis</i> : PREDICTING STEM VOLUME, BIOMASS AND CANOPY COVER FOR DIFFERENT PRODUCTION PURPOSES. <i>Cerne</i> , 2019, 25, 463-472.	0.9	1

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19	Functional relationships between wood structure and vulnerability to xylem cavitation in races of <i>Eucalyptus globulus</i> differing in wood density. <i>Tree Physiology</i> , 2018, 38, 243-251.	3.1	29
20	Effects of low density <i>Pinus elliottii</i> (Slash pine) afforestation on environmental conditions and native plant diversity, in the mountains of central Argentina. <i>Applied Vegetation Science</i> , 2018, 21, 442-450.	1.9	9
21	Morpho-physiological response to vertically heterogeneous soil salinity of two glycophyte woody taxa, <i>Salix matsudana</i> x <i>S. alba</i> and <i>Eucalyptus camaldulensis</i> Dehnh. <i>Plant and Soil</i> , 2017, 416, 343-360.	3.7	5
22	Evidence on the response of Patagonian forage grasses to the mulching effect of recent tephra deposits in Argentina. <i>Arid Land Research and Management</i> , 2017, 31, 373-387.	1.6	5
23	Within-crown acclimation of leaf-level physiological and morphological parameters in young loblolly pine stands. <i>Trees - Structure and Function</i> , 2017, 31, 1849-1857.	1.9	5
24	Wood density and anatomy of three <i>Eucalyptus</i> species: implications for hydraulic conductivity. <i>Forest Systems</i> , 2017, 26, e010.	0.3	13
25	First insights into the functional role of vasicentric tracheids and parenchyma in eucalyptus species with solitary vessels: do they contribute to xylem efficiency or safety?. <i>Tree Physiology</i> , 2016, 36, 1485-1497.	3.1	28
26	Physiological status of conifer seedlings treated with radiation, drought and frost stress mitigation techniques: a laboratory assessment. <i>New Forests</i> , 2016, 47, 87-103.	1.7	7
27	Afforestations and wetlands, are they a good combination? Study of water fluxes in two cases of Patagonian wetlands. <i>Ecohydrology</i> , 2015, 8, 416-425.	2.4	3
28	Ecophysiological basis of wood formation in ponderosa pine: Linking water flux patterns with wood microdensity variables. <i>Forest Ecology and Management</i> , 2015, 346, 31-40.	3.2	7
29	Effects of the time of drought occurrence within the growing season on growth and survival of <i>Pinus ponderosa</i> seedlings. <i>Trees - Structure and Function</i> , 2014, 28, 745.	1.9	13
30	Patterns of resource use efficiency in relation to intra-specific competition, size of the trees and resource availability in ponderosa pine. <i>Forest Ecology and Management</i> , 2014, 312, 231-238.	3.2	13
31	Short- and long-term responses to seasonal drought in ponderosa pines growing at different plantation densities in Patagonia, South America. <i>Trees - Structure and Function</i> , 2012, 26, 1905-1917.	1.9	6
32	Physiological and morphological short-term responses to light and temperature in two <i>Nothofagus</i> species of Patagonia, South America. <i>Photosynthetica</i> , 2012, 50, 557-569.	1.7	11
33	Adaptability to climate change in forestry species: drought effects on growth and wood anatomy of ponderosa pines growing at different competition levels. <i>Forest Systems</i> , 2012, 21, 162.	0.3	18
34	Why do <i>Pinus</i> species have different growth dominance patterns than <i>Eucalyptus</i> species? A hypothesis based on differential physiological plasticity. <i>Forest Ecology and Management</i> , 2011, 261, 1061-1068.	3.2	26
35	Stand density and drought interaction on water relations of <i>Nothofagus antarctica</i> : contribution of forest management to climate change adaptability. <i>Trees - Structure and Function</i> , 2011, 25, 1111-1120.	1.9	23
36	Modeling leaf maximum net photosynthetic rate of <i>Festuca pallescens</i> , the dominant perennial grass of Patagonian pine-based silvopastoral systems. <i>Agroforestry Systems</i> , 2011, 83, 13-24.	2.0	4

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37	Decreased rainfall interception balances increased transpiration in exotic ponderosa pine plantations compared with native cypress stands in Patagonia, Argentina. <i>Ecohydrology</i> , 2011, 4, 83-93.	2.4	19
38	Is forage productivity of meadows influenced by the afforestation of upstream hillsides? A study in NW Patagonia. <i>Forest Systems</i> , 2011, 20, 165.	0.3	4
39	Effect of stand density and pruning on growth of ponderosa pines in NW Patagonia, Argentina. <i>Agroforestry Systems</i> , 2010, 78, 233-241.	2.0	10
40	Seedling drought stress susceptibility in two deciduous <i>Nothofagus</i> species of NW Patagonia. <i>Trees - Structure and Function</i> , 2010, 24, 443-453.	1.9	30
41	Ecuaciones para la estimación de biomasa aérea y volumen de fuste de algunas especies leñosas nativas en el valle del río Foyel, NO de la Patagonia argentina. <i>Bosque</i> , 2009, 30, .	0.3	13
42	Water flux and canopy conductance of natural versus planted forests in Patagonia, South America. <i>Trees - Structure and Function</i> , 2009, 23, 415-427.	1.9	41
43	Effect of pruning on branch production and water relations in widely spaced ponderosa pines. <i>Agroforestry Systems</i> , 2009, 77, 223-235.	2.0	9
44	Effects on site water balance of conversion from native mixed forest to Douglas-fir plantation in N.W. Patagonia. <i>New Forests</i> , 2009, 38, 67-80.	1.7	8
45	Testing Binkley's hypothesis about the interaction of individual tree water use efficiency and growth efficiency with dominance patterns in open and close canopy stands. <i>Forest Ecology and Management</i> , 2009, 257, 1859-1865.	3.2	38
46	Belowground interactions for water between trees and grasses in a temperate semiarid agroforestry system. <i>Agroforestry Systems</i> , 2008, 74, 185-197.	2.0	47
47	Are differences in productivity between native and exotic trees in N.W. Patagonia related to differences in hydraulic conductance?. <i>Trees - Structure and Function</i> , 2008, 22, 483-490.	1.9	18
48	Increased water use by ponderosa pine plantations in northwestern Patagonia, Argentina compared with native forest vegetation. <i>Forest Ecology and Management</i> , 2008, 255, 753-764.	3.2	72
49	Testing a hypothesis of the relationship between productivity and water use efficiency in Patagonian forests with native and exotic species. <i>Forest Ecology and Management</i> , 2008, 255, 3281-3287.	3.2	22
50	Caracterización silvícola de Æirantales del norte de la Patagonia para la gesti3n forestal sostenible. <i>Bosque</i> , 2007, 28, .	0.3	28
51	Influence of radiation and drought on gas exchange of <i>Austrocedrus chilensis</i> seedlings. <i>Bosque</i> , 2007, 28, .	0.3	20
52	Tree-Grass Interactions and Water Use in Silvopastoral Systems in N.W. Patagonia. , 2007, , 171-180.		0
53	Balance of Competitive and Facilitative Effects of Exotic Trees on a Native Patagonian Grass. <i>Plant Ecology</i> , 2006, 188, 67-76.	1.6	16
54	Growth of <i>Festuca pallescens</i> in Silvopastoral Systems in Patagonia, Part 2: Parameterization of Models of Stomatal Conductance and Leaf Photosynthesis. <i>Agroforestry Systems</i> , 2006, 66, 271-280.	2.0	11

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55	Growth of <i>Festuca pallescens</i> in Silvopastoral Systems in Patagonia, Part 1: Positive Balance between Competition and Facilitation. <i>Agroforestry Systems</i> , 2006, 66, 259-269.	2.0	14
56	Leaf and whole-plant water relations of the Patagonian conifer <i>Austrocedrus chilensis</i> (D. Don) Pic. Ser. et Bizzarri: implications on its drought resistance capacity. <i>Annals of Forest Science</i> , 2005, 62, 297-302.	2.0	25
57	Shade acclimation in the forage grass <i>Festuca Pallescens</i> : biomass allocation and foliage orientation. <i>Agroforestry Systems</i> , 2004, 60, 159-166.	2.0	22
58	Water relations of ponderosa pines in Patagonia Argentina: implications for local water resources and individual growth. <i>Trees - Structure and Function</i> , 2003, 17, 417-423.	1.9	22
59	Title is missing!. <i>Agroforestry Systems</i> , 2002, 55, 47-55.	2.0	26
60	Title is missing!. <i>Agroforestry Systems</i> , 2002, 55, 27-35.	2.0	35
61	Binomial sampling plans for the spotted alfalfa aphid, <i>Therioaphis trifolii</i> , in Argentina. <i>International Journal of Pest Management</i> , 1998, 44, 235-238.	1.8	1
62	PRODUCCI“N PRIMARIA NETA A“REA DEL COMPONENTE HERB“CEO DE SISTEMAS SILVOPASTORILES EN LA LLANURA ONDULADA DEL SUR DE C“RDOBA. , 0, , 55-64.		0