

Susana Bautista

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,364
citations

201385

27
h-index

161609

54
g-index

65
all docs

65
docs citations

65
times ranked

3613
citing authors

#	ARTICLE	IF	CITATIONS
1	POSITIVE, NEGATIVE, AND NET EFFECTS IN GRASS-SHRUB INTERACTIONS IN MEDITERRANEAN SEMIARID GRASSLANDS. <i>Ecology</i> , 2003, 84, 3186-3197.	1.5	344
2	Pines and oaks in the restoration of Mediterranean landscapes of Spain: New perspectives for an old practice – a review. <i>Plant Ecology</i> , 2004, 171, 209-220.	0.7	322
3	POTENTIAL FOR USING FACILITATION BY GRASSES TO ESTABLISH SHRUBS ON A SEMIARID DEGRADED STEPPE. <i>Journal of Arid Environments</i> , 2001, 11, 1641-1655.		261
4	Plant Spatial Pattern Predicts Hillslope Runoff and Erosion in a Semiarid Mediterranean Landscape. <i>Ecosystems</i> , 2007, 10, 987-998.	1.6	184
5	Small-scale Environmental Heterogeneity and Spatiotemporal Dynamics of Seedling Establishment in a Semiarid Degraded Ecosystem. <i>Ecosystems</i> , 2003, 6, 630-643.	1.6	172
6	Post-fire hydrological and erosional responses of a Mediterranean landscape: Seven years of catchment-scale dynamics. <i>Catena</i> , 2007, 71, 68-75.	2.2	168
7	Measurement of the connectivity of runoff source areas as determined by vegetation pattern and topography: A tool for assessing potential water and soil losses in drylands. <i>Water Resources Research</i> , 2008, 44, .	1.7	161
8	Analysis of the mycorrhizal potential in the rhizosphere of representative plant species from desertification-threatened Mediterranean shrublands. <i>Applied Soil Ecology</i> , 2003, 22, 29-37.	2.1	134
9	Infiltration, penetration resistance and microphytic crust composition in contrasted microsites within a Mediterranean semi-arid steppe. <i>Soil Biology and Biochemistry</i> , 2002, 34, 895-898.	4.2	120
10	Does <i>Pinus halepensis</i> facilitate the establishment of shrubs in Mediterranean semi-arid afforestations?. <i>Forest Ecology and Management</i> , 2003, 176, 147-160.	1.4	106
11	Monitoring post-wildfire vegetation response with remotely sensed time-series data in Spain, USA and Israel. <i>International Journal of Wildland Fire</i> , 2010, 19, 75.	1.0	106
12	Mulching treatment for postfire soil conservation in a semiarid ecosystem. <i>Arid Land Research and Management</i> , 1996, 10, 235-242.	0.3	98
13	Factors and interactions controlling infiltration, runoff, and soil loss at the microscale in a patchy Mediterranean semiarid landscape. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1702-1711.	1.2	85
14	Scale-dependent variation in runoff and sediment yield in a semiarid Mediterranean catchment. <i>Journal of Hydrology</i> , 2011, 397, 128-135.	2.3	78
15	Mechanisms underlying the interaction between <i>Pinus halepensis</i> and the native late-successional shrub <i>Pistacia lentiscus</i> in a semi-arid plantation. <i>Ecography</i> , 2004, 27, 776-786.	2.1	70
16	Effects of land use and eventual fire on soil erodibility in dry Mediterranean conditions. <i>Forest Ecology and Management</i> , 2001, 147, 15-23.	1.4	67
17	Comparative Assessment of Goods and Services Provided by Grazing Regulation and Reforestation in Degraded Mediterranean Rangelands. <i>Land Degradation and Development</i> , 2017, 28, 1178-1187.	1.8	57
18	Plant regeneration functional groups modulate the response to fire of soil enzyme activities in a Mediterranean shrubland. <i>Soil Biology and Biochemistry</i> , 2014, 79, 5-13.	4.2	55

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19	Feedbacks between vegetation pattern and resource loss dramatically decrease ecosystem resilience and restoration potential in a simple dryland model. <i>Landscape Ecology</i> , 2013, 28, 931-942.	1.9	50
20	How can an invasive grass affect fire behavior in a tropical savanna? A community and individual plant level approach. <i>Biological Invasions</i> , 2015, 17, 423-431.	1.2	49
21	Effectiveness of Low-Cost Planting Techniques for Improving Water Availability to <i>Olea europaea</i> Seedlings in Degraded Drylands. <i>Restoration Ecology</i> , 2014, 22, 327-335.	1.4	45
22	Increased aridity drives post-fire recovery of Mediterranean forests towards open shrublands. <i>New Phytologist</i> , 2020, 225, 1500-1515.	3.5	44
23	Microsite and mycorrhizal inoculum effects on the establishment of <i>Quercus coccifera</i> in a semi-arid degraded steppe. <i>Ecological Engineering</i> , 2002, 19, 289-295.	1.6	43
24	Spatial associations and patterns of perennial vegetation in a semi-arid steppe: a multivariate geostatistics approach. <i>Plant Ecology</i> , 2005, 179, 133-147.	0.7	38
25	Variation in soil enzyme activity as a function of vegetation amount, type, and spatial structure in fire-prone Mediterranean shrublands. <i>Science of the Total Environment</i> , 2016, 573, 1209-1216.	3.9	33
26	Connectivity-Mediated Ecohydrological Feedbacks and Regime Shifts in Drylands. <i>Ecosystems</i> , 2019, 22, 1497-1511.	1.6	32
27	Integrating knowledge exchange and the assessment of dryland management alternatives – A learning-centered participatory approach. <i>Journal of Environmental Management</i> , 2017, 195, 35-45.	3.8	29
28	Drought and grazing combined: Contrasting shifts in plant interactions at species pair and community level. <i>Journal of Arid Environments</i> , 2014, 111, 53-60.	1.2	28
29	A null model for assessing the cover-independent role of bare soil connectivity as indicator of dryland functioning and dynamics. <i>Ecological Indicators</i> , 2018, 94, 512-519.	2.6	26
30	Multi-scale evaluation of soil functional indicators for the assessment of water and soil retention in Mediterranean semiarid landscapes. <i>Ecological Indicators</i> , 2012, 20, 332-336.	2.6	25
31	Size and connectivity of upslope runoff-source areas modulate the performance of woody plants in Mediterranean drylands. <i>Ecohydrology</i> , 2015, 8, 1292-1303.	1.1	24
32	Scale dependence and patch size distribution: clarifying patch patterns in Mediterranean drylands. <i>Ecosphere</i> , 2017, 8, e01690.	1.0	24
33	Towards an ecological restoration network: reversing land degradation in Latin America. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, w1-w4.	1.9	23
34	Post-fire Mulching. , 2009, , 353-372.		23
35	Disturbance of the biological soil crusts and performance of <i>Stipa tenacissima</i> in a semi-arid Mediterranean steppe. <i>Plant and Soil</i> , 2010, 334, 311-322.	1.8	23
36	Vegetation Pattern Modulates Ground Arthropod Diversity in Semi-Arid Mediterranean Steppes. <i>Insects</i> , 2020, 11, 59.	1.0	22

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37	Successional stage after land abandonment modulates fire severity and post-fire recovery in a Mediterranean mountain landscape. <i>International Journal of Wildland Fire</i> , 2014, 23, 1005.	1.0	19
38	Combined Grazing and Drought Stress Alter the Outcome of Nurse: Beneficiary Interactions in a Semi-arid Ecosystem. <i>Ecosystems</i> , 2019, 22, 1295-1307.	1.6	18
39	Impact of the conversion of Brazilian woodland savanna (cerradão) to pasture and Eucalyptus plantations on soil nitrogen mineralization. <i>Science of the Total Environment</i> , 2020, 704, 135397.	3.9	17
40	Labile soil organic carbon loss in response to land conversion in the Brazilian woodland savanna (cerradão). <i>Biogeochemistry</i> , 2019, 144, 31-46.	1.7	15
41	Prevention and restoration actions to combat desertification. <i>SÃ©cheresse</i> , 2012, 23, 219-226.	0.1	12
42	Predictive composition of pictogram messages for users with autism. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 5649-5664.	3.3	12
43	Disentangling the independent effects of vegetation cover and pattern on runoff and sediment yield in dryland systems â€” Uncovering processes through mimicked plant patches. <i>Journal of Arid Environments</i> , 2021, 193, 104585.	1.2	11
44	How does land management contribute to the resilience of Mediterranean forests and rangelands? A participatory assessment. <i>Land Degradation and Development</i> , 2018, 29, 3721-3735.	1.8	10
45	Potential of an outranking multi-criteria approach to support the participatory assessment of land management actions. <i>Journal of Environmental Management</i> , 2017, 195, 70-77.	3.8	9
46	Using Hidden Markov Models for Land Surface Phenology: An Evaluation Across a Range of Land Cover Types in Southeast Spain. <i>Remote Sensing</i> , 2019, 11, 507.	1.8	9
47	Preface: Optimizing science impact for effective implementation of Sustainable Land Management. <i>Journal of Environmental Management</i> , 2017, 195, 1-3.	3.8	8
48	Advances in Understanding and Managing Catastrophic Ecosystem Shifts in Mediterranean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	8
49	Fuzzy rule-based decision support system for evaluation of long-established forest restoration projects. <i>Restoration Ecology</i> , 2016, 24, 298-305.	1.4	6
50	A User-Centred Methodology for the Development of Computer-Based Assistive Technologies for Individuals with Autism. <i>Lecture Notes in Computer Science</i> , 2019, , 85-106.	1.0	6
51	Interacting water, nutrients, and shrub age control steppe grass-shrub competition: Implications for restoration. <i>Ecosphere</i> , 2022, 13, .	1.0	6
52	Functional similarity and competitive symmetry control productivity in mixtures of Mediterranean perennial grasses. <i>PLoS ONE</i> , 2019, 14, e0221667.	1.1	5
53	Evaluating the Restoration of Dryland Ecosystems in the Northern Mediterranean. , 2010, , 295-310.		4
54	Evaluating the Effectiveness of Post Fire Emergency Rehabilitation Treatments on Soil Degradation and Erosion Control in Semi-Arid Mediterranean Areas of the Spanish South East. <i>Arid Land Research and Management</i> , 2013, 27, 361-376.	0.6	3

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55	Aratraductor. , 2017, , .		3
56	Expert-based Assessment of an Augmentative and Alternative Communication Tool. , 2019, , .		3
57	Design and evaluation of ECO: an augmentative and alternative communication tool. Universal Access in the Information Society, 2022, 21, 827-849.	2.1	3
58	Detection and mapping of burnt areas from time series of MODIS-derived NDVI data in a Mediterranean region. Open Geosciences, 2014, 6, .	0.6	2
59	Stipa tenacissima Does not Affect the Foliar $\delta^{13}C$ and $\delta^{15}N$ of Introduced Shrub Seedlings in a Mediterranean Semi-arid Steppe. Journal of Integrative Plant Biology, 2006, 48, 897-905.	4.1	1
60	Detection and analysis of burnt areas from MODIS derived NDVI time series data. , 2013, , .		1
61	Determination of phenological parameters from MODIS derived NDVI data using hidden Markov models. , 2014, , .		1
62	Taking text simplification to the user. , 2018, , .		1
63	The role of ecohydrological (dis)connectivity in dryland functioning and management. Ecosistemas, 2021, 30, 2265.	0.2	1
64	Clumped or regular? the role of thinning pattern on pine growth and soil water content in dense Aleppo pine post-fire stands. New Forests, 0, , 1.	0.7	0