JosÃ© MarÃ- a Paruelo

List of Publications by Year
in descending order

121 papers	23,802 citations	41344 49 h-index	20358 116 g-index
123 all docs	123 docs citations	123 times ranked	22327 citing authors

#	Article	IF	Citations
1	Roads and land tenure mediate the effects of precipitation on forest cover change in the Argentine Dry Chaco. Land Use Policy, 2022, 112, 105806.	5.6	7
2	Radiation use efficiency of the herbaceous layer of dry Chaco shrublands and woodlands: Spatial and temporal patterns. Applied Vegetation Science, 2022, 25, .	1.9	4
3	A data-driven methodological routine to identify key indicators for social-ecological system archetype mapping. Environmental Research Letters, 2022, 17, 045019.	5.2	4
4	Putting the Ecosystem Services idea at work: Applications on impact assessment and territorial planning. Environmental Development, 2021, 38, 100570.	4.1	15
5	Building the GLENCOE Platform -Grasslands LENding eConomic and ecOsystems sErvices. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	1
6	Discriminating the biophysical signal from humanâ€induced effects on longâ€term primary production dynamics. The case of Patagonia. Global Change Biology, 2021, 27, 4381-4391.	9.5	6
7	Forest strips increase connectivity and modify forestsâ€™ functioning in a deforestation hotspot. Journal of Environmental Management, 2021, 290, 112606.	7.8	10
8	Deforestation and current management practices reduce soil organic carbon in the semi-arid Chaco, Argentina. Agricultural Systems, 2020, 178, 102749.	6.1	17
9	How may deforestation rates and political instruments affect land use patterns and Carbon emissions in the semi-arid Chaco, Argentina?. Land Use Policy, 2020, 99, 104985.	5.6	10
10	Damping and lag effects of precipitation variability across trophic levels in Uruguayan rangelands. Agricultural Systems, 2020, 185, 102956.	6.1	5
11	Controls of forage selective defoliation by sheep in arid rangelands. Ecosphere, 2020, 11, e03285.	2.2	4
12	The role of South American grazing lands in mitigating greenhouse gas emissions. A reply to: â€œReassessing the role of grazing lands in carbon-balance estimations: Meta-analysis and reviewâ€ by Viglizzo et al., (2019). Science of the Total Environment, 2020, 740, 140108.	8.0	5
13	Land Use/Land Cover Change (2000â€“2014) in the Rio de la Plata Grasslands: An Analysis Based on MODIS NDVI Time Series. Remote Sensing, 2020, 12, 381.	4.0	94
14	Distinct ecosystem types respond differentially to grazing exclosure. Austral Ecology, 2020, 45, 548-556.	1.5	10
15	Temperate Subhumid Grasslands of Southern South America. , 2020, , 577-593.		14
16	Combined effects of grazing management and climate on semiâ€arid steppes: Hysteresis dynamics prevent recovery of degraded rangelands. Journal of Applied Ecology, 2019, 56, 2155-2165.	4.0	22
17	Hydrological impacts of afforestation in the semiarid Patagonia: A modelling approach. Ecohydrology, 2019, 12, e2113.	2.4	14
18	Functional syndromes as indicators of ecosystem change in temperate grasslands. Ecological Indicators, 2019, 96, 600-610.	6.3	8

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19	Grasslands of Uruguay: classification based on vegetation plots. Phytocoenologia, 2019, 49, 211-229.	0.5	26
20	Assessing the effectiveness of a land zoning policy in the Dry Chaco. The Case of Santiago del Estero, Argentina. Land Use Policy, 2018, 70, 313-321.	5.6	36
21	Desertification and ecosystem services supply: The case of the Arid Chaco of South America. Journal of Arid Environments, 2018, 159, 66-74.	2.4	26
22	Silvopastoral systems of the Chaco forests: Effects of trees on grass growth. Journal of Arid Environments, 2018, 156, 87-95.	2.4	22
23	Spatial and temporal variation of human appropriation of net primary production in the Rio de la Plata grasslands. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 145, 238-249.	11.1	32
24	Forest conservation: Remember Gran Chaco. Science, 2017, 355, 465-465.	12.6	75
25	Disentangling the signal of climatic fluctuations from land use: changes in ecosystem functioning in South American protected areas (1982â€2012). Remote Sensing in Ecology and Conservation, 2017, 3, 177-189.	4.3	9
26	Remote Sensing in Ecology and Conservation: three years on. Remote Sensing in Ecology and Conservation, 2017, 3, 53-56.	4.3	20
27	Differential responses of three grasses to defoliation, water and light availability. Plant Ecology, 2017, 218, 95-104.	1.6	10
28	On â€œSociety Is Ready for a New Kind of Scienceâ€"Is Academia?â€ Some Thoughts from the South. BioScience, 2017, 67, 1017-1017.	4.9	0
29	Nonparametric upscaling of stochastic simulation models using transition matrices. Methods in Ecology and Evolution, 2016, 7, 313-322.	5.2	11
30	Spatial and temporal patterns of herbaceous primary production in semiâ€arid shrublands: a remote sensing approach. Journal of Vegetation Science, 2016, 27, 716-727.	2.2	24
31	Agricultural expansion in the Semiarid Chaco: Poorly selective contagious advance. Land Use Policy, 2016, 55, 154-165.	5.6	78
32	Disentangling grazing effects: trampling, defoliation and urine deposition. Applied Vegetation Science, 2016, 19, 557-566.	1.9	53
33	An integrative index of Ecosystem Services provision based on remotely sensed data. Ecological Indicators, 2016, 71, 145-154.	6.3	63
34	Chlorophyll fluorescence, photochemical reflective index and normalized difference vegetative index during plant senescence. Journal of Plant Physiology, 2016, 199, 100-110.	3.5	30
35	Land cover and precipitation controls over longâ€term trends in carbon gains in the grassland biome of South America. Ecosphere, 2015, 6, 1-21.	2.2	19
36	Is forest or Ecological Transition taking place? Evidence for the Semiarid Chaco in Argentina. Journal of Arid Environments, 2015, 123, 21-30.	2.4	20

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37	Grazing increases below-ground biomass and net primary production in a temperate grassland. Plant and Soil, 2015, 392, 155-162.	3.7	73
38	Transformation dynamics of the natural cover in the Dry Chaco ecoregion: A plot level geo-database from 1976 to 2012. Journal of Arid Environments, 2015, 123, 3-11.	2.4	147
39	Variation of grazingâ€induced vegetation changes across a largeâ€scale productivity gradient. Journal of Vegetation Science, 2014, 25, 8-21.	2.2	132
40	A complex network of interactions controls coexistence and relative abundances in Patagonian grassâ€shrub steppes. Journal of Ecology, 2014, 102, 776-788.	4.0	20
41	Effects of Animal Husbandry on Secondary Production and Trophic Efficiency at a Regional Scale. Ecosystems, 2014, 17, 738-749.	3.4	13
42	Spatial and Temporal Variability in Aboveground Net Primary Production of Uruguayan Grasslands. Rangeland Ecology and Management, 2014, 67, 30-38.	2.3	23
43	Refuge effect of an unpalatable forb on community structure and grass morphology in a temperate grassland. Plant Ecology, 2013, 214, 363-372.	1.6	8
44	Grassland afforestation impact on primary productivity: a remote sensing approach. Applied Vegetation Science, 2013, 16, 390-403.	1.9	21
45	Environmental and Human Controls of Ecosystem Functional Diversity in Temperate South America. Remote Sensing, 2013, 5, 127-154.	4.0	45
46	How Can Science Be General, Yet Specific? The Conundrum of Rangeland Science in the 21st Century. Rangeland Ecology and Management, 2012, 65, 613-622.	2.3	12
47	Greenness in semi-arid areas across the globe 1981â€"2007 â€" an Earth Observing Satellite based analysis of trends and drivers. Remote Sensing of Environment, 2012, 121, 144-158.	11.0	596
48	The ecosystem functioning dimension in conservation: insights from remote sensing. Biodiversity and Conservation, 2012, 21, 3287-3305.	2.6	89
49	Ecosystem services research in Latin America: The state of the art. Ecosystem Services, 2012, 2, 56-70.	5.4	170
50	Ecosystem services and tree plantations in Uruguay: A reply to Vihervaara et al. (2012). Forest Policy and Economics, 2012, 22, 85-88.	3.4	16
51	How does agricultural management modify ecosystem services in the argentine Pampas? The effects on soil C dynamics. Agriculture, Ecosystems and Environment, 2012, 154, 23-33.	5.3	57
52	Patterns and controls of aboveâ€ground net primary production in meadows of Patagonia. A remote sensing approach. Journal of Vegetation Science, 2012, 23, 114-126.	2.2	49
53	Assessing the potential of wildfires as a sustainable bioenergy opportunity. GCB Bioenergy, 2012, 4, 634-641.	5.6	16
54	Understanding the longâ€term spatial dynamics of a semiarid grassâ€shrub steppe through inverse parameterization for simulation models. Oikos, 2012, 121, 848-861.	2.7	24

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55	Perspectives on Rangeland Management Education and Research in Argentina. Rangelands, 2011, 33, 2-12.	1.9	6
56	Grazing-induced losses of biodiversity affect the transpiration of an arid ecosystem. Oecologia, 2011, 165, 501-510.	2.0	31
57	Native Forests and Agriculture in Salta (Argentina). Journal of Environment and Development, 2011, 20, 251-277.	3.2	75
58	Evaluating the Consistency of the 1982â€"1999 NDVI Trends in the Iberian Peninsula across Four Time-series Derived from the AVHRR Sensor: LTDR, GIMMS, FASIR, and PAL-II. Sensors, 2010, 10, 1291-1314.	3.8	69
59	Ecosystem functioning of protected and altered Mediterranean environments: A remote sensing classification in DoÃ±ana, Spain. Remote Sensing of Environment, 2010, 114, 211-220.	11.0	44
60	Desertification alters the response of vegetation to changes in precipitation. Journal of Applied Ecology, 2010, 47, 1233-1241.	4.0	68
61	Pathways of Grazing Effects on Soil Organic Carbon and Nitrogen. Rangeland Ecology and Management, 2010, 63, 109-119.	2.3	308
62	Carbon Stocks and Fluxes in Rangelands of the RÃo de la Plata Basin. Rangeland Ecology and Management, 2010, 63, 94-108.	2.3	47
63	Baseline characterization of major Iberian vegetation types based on the NDVI dynamics. Plant Ecology, 2009, 202, 13-29.	1.6	56
64	Use of Descriptors of Ecosystem Functioning for Monitoring a National Park Network: A Remote Sensing Approach. Environmental Management, 2009, 43, 38-48.	2.7	69
65	Spatial risk assessment of livestock exposure to pumas in Patagonia, Argentina. Ecography, 2009, 32, 807-817.	4.5	40
66	Land use change patterns in the RÃo de la Plata grasslands: The influence of phytogeographic and political boundaries. Agriculture, Ecosystems and Environment, 2009, 134, 287-292.	5.3	65
67	Grazing effects on belowground C and N stocks along a network of cattle exclosures in temperate and subtropical grasslands of South America. Global Biogeochemical Cycles, 2009, 23, .	4.9	100
68	Trait differences between grass species along a climatic gradient in South and North America. Journal of Vegetation Science, 2008, 19, 183-192.	2.2	47
69	How to evaluate models: Observed vs. predicted or predicted vs. observed?. Ecological Modelling, 2008, 216, 316-322.	2.5	643
70	How do forage availability and climate control sheep reproductive performance?. Ecological Modelling, 2008, 217, 197-206.	2.5	8
71	Trends in the surface vegetation dynamics of the national parks of Spain as observed by satellite sensors. Applied Vegetation Science, 2008, 11, 431-440.	1.9	22
72	Long-term Satellite NDVI Data Sets: Evaluating Their Ability to Detect Ecosystem Functional Changes in South America. Sensors, 2008, 8, 5397-5425.	3.8	86

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73	Land-Use and Land Cover Dynamics in South American Temperate Grasslands. Ecology and Society, 2008, 13, .	2.3	191
74	Demography, population dynamics and sustainability of the Patagonian sheep flocks. Agricultural Systems, 2006, 87, 123-146.	6.1	27
75	Identification of current ecosystem functional types in the Iberian Peninsula. Global Ecology and Biogeography, 2006, 15, 200-212.	5.8	106
76	Opposite changes of whole-soil vs. pools Câ€ƒ:â€ƒN ratios: a case of Simpson's paradox with implications on nitrogen cycling. Global Change Biology, 2006, 12, 804-809.	9.5	34
77	Potential long-term impacts of livestock introduction on carbon and nitrogen cycling in grasslands of Southern South America. Global Change Biology, 2006, 12, 1267-1284.	9.5	79
78	Characterizing fragmentation in temperate South America grasslands. Agriculture, Ecosystems and Environment, 2006, 116, 197-208.	5.3	150
79	The Influence of Climate, Soils, Weather, and Land Use on Primary Production and Biomass Seasonality in the US Great Plains. Ecosystems, 2006, 9, 934-950.	3.4	48
80	Seasonal Variation in Aboveground Production and Radiation-use Efficiency of Temperate rangelands Estimated through Remote Sensing. Ecosystems, 2006, 9, 357-373.	3.4	100
81	INTERACTIONS OF WATER AND NITROGEN ON PRIMARY PRODUCTIVITY ACROSS SPATIAL AND TEMPORAL SCALES IN GRASSLAND AND SHRUBLAND ECOSYSTEMS. , 2006, , 201-216.		5
82	Land-use change and water losses: the case of grassland afforestation across a soil textural gradient in central Argentina. Global Change Biology, 2005, 11, 1101-1117.	9.5	186
83	Temporal and spatial patterns of ecosystem functioning in protected arid areas in southeastern Spain. Applied Vegetation Science, 2005, 8, 93-102.	1.9	30
84	Production as a function of resource availability: Slopes and efficiencies are different. Journal of Vegetation Science, 2005, 16, 351-354.	2.2	68
85	Spatial heterogeneity at different grain sizes in grazed versus ungrazed sites of the Patagonian steppe. Ecoscience, 2005, 12, 103-109.	1.4	12
86	Agricultural impacts on ecosystem functioning in temperate areas of North and South America. Global and Planetary Change, 2005, 47, 170-180.	3.5	23
87	Production as a function of resource availability: Slopes and efficiencies are different. Journal of Vegetation Science, 2005, 16, 351.	2.2	6
88	Temporal and spatial patterns of ecosystem functioning in protected arid areas in southeastern Spain. Applied Vegetation Science, 2005, 8, 93.	1.9	4
89	Regional scale relationships between ecosystem structure and functioning: the case of the Patagonian steppes. Global Ecology and Biogeography, 2004, 13, 385-395.	5.8	65
90	Remote sensing of protected areas to derive baseline vegetation functioning characteristics. Journal of Vegetation Science, 2004, 15, 711-720.	2.2	49

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91	Interannual variability of wheat yield in the Argentine Pampas during the 20th century. Agriculture, Ecosystems and Environment, 2004, 103, 177-190.	5.3	23
92	Do Grasslands Have a Memory: Modeling Phytomass Production of a Semiarid South African Grassland. Ecosystems, 2004, 7, 243.	3.4	127
93	Two decades of Normalized Difference Vegetation Index changes in South America: identifying the imprint of global change. International Journal of Remote Sensing, 2004, 25, 2793-2806.	2.9	90
94	Remote sensing of protected areas to derive baseline vegetation functioning characteristics. Journal of Vegetation Science, 2004, 15, 711.	2.2	7
95	LAND USE IMPACTS ON THE NORMALIZED DIFFERENCE VEGETATION INDEX IN TEMPERATE ARGENTINA. , 2003, 13, 616-628.		57
96	Patterns and Controls of Primary Production in the Patagonian Steppe: A Remote Sensing Approach. Ecology, 2002, 83, 307.	3.2	11
97	PATTERNS AND CONTROLS OF PRIMARY PRODUCTION IN THE PATAGONIAN STEPPE: A REMOTE SENSING APPROACH*. Ecology, 2002, 83, 307-319.	3.2	198
98	Environmental Controls of Primary Production in Agricultural Systems of the Argentine Pampas. Ecosystems, 2002, 5, 0625-0635.	3.4	123
99	The relative abundance of three plant functional types in temperate grasslands and shrublands of North and South America: effects of projected climate change. Journal of Biogeography, 2002, 29, 875-888.	3.0	77
100	Current Distribution of Ecosystem Functional Types in Temperate South America. Ecosystems, 2001, 4, 683-698.	3.4	135
101	Title is missing!. Plant Ecology, 2000, 150, 133-143.	1.6	46
102	Estimation of primary production of subhumid rangelands from remote sensing data. Applied Vegetation Science, 2000, 3, 189-195.	1.9	70
103	Patterns of Production and Precipitation-Use Efficiency of Winter Wheat and Native Grasslands in the Central Great Plains of the United States. Ecosystems, 2000, 3, 344-351.	3.4	83
104	Estimating Aboveground Plant Biomass Using a Photographic Technique. Journal of Range Management, 2000, 53, 190.	0.3	53
105	Grassland Precipitation-Use Efficiency Varies Across a Resource Gradient. Ecosystems, 1999, 2, 64-68.	3.4	264
106	Interannual variability of NDVI and its relationship to climate for North American shrublands and grasslands. Journal of Biogeography, 1998, 25, 721-733.	3.0	116
107	The value of ecosystem services: putting the issues in perspective. Ecological Economics, 1998, 25, 67-72.	5.7	229
108	FUNCTIONAL AND STRUCTURAL CONVERGENCE OF TEMPERATE GRASSLAND AND SHRUBLAND ECOSYSTEMS. , 1998, 8, 194-206.		131

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109	ANPP ESTIMATES FROM NDVI FOR THE CENTRAL GRASSLAND REGION OF THE UNITED STATES. Ecology, 1997, 78, 953-958.	3.2	419
110	The value of the world's ecosystem services and natural capital. Nature, 1997, 387, 253-260.	27.8	15,321
111	Relative Abundance of Plant Functional Types in Grasslands and Shrublands of North America. , 1996, 6, 1212-1224.		265
112	Ecosystem responses to changes in plant functional type composition: An example from the Patagonian steppe. Journal of Vegetation Science, 1996, 7, 381-390.	2.2	146
113	Vegetation heterogeneity and diversity in flat and mountain landscapes of Patagonia (Argentina). Journal of Vegetation Science, 1996, 7, 599-608.	2.2	68
114	Water Losses in the Patagonian Steppe: A Modelling Approach. Ecology, 1995, 76, 510-520.	3.2	115
115	Regional Patterns of Normalized Difference Vegetation Index in North American Shrublands and Grasslands. Ecology, 1995, 76, 1888-1898.	3.2	128
116	Range Assessment Using Remote Sensing in Northwest Patagonia (Argentina). Journal of Range Management, 1994, 47, 498.	0.3	40
117	Environmental controls of NDVI dynamics in Patagonia based on NOAA-AVHRR satellite data. Journal of Vegetation Science, 1993, 4, 425-428.	2.2	26
118	Biozones: Vegetation Units Defined by Functional Characters Identifiable with the Aid of Satellite Sensor Images. Global Ecology and Biogeography Letters, 1992, 2, 82.	0.6	33
119	The Use of Satellite Imagery in Quantitative Phytogeography: A Case Study of Patagonia (Argentina). Tasks for Vegetation Science, 1991, , 183-204.	0.6	14
120	Simulation models for educational purposes: an example on the coexistence of plant populations. Journal of Biological Education, 1990, 24, 81-86.	1.5	2
121	Root Systems of Two Patagonian Shrubs: A Quantitative Description Using a Geometrical Method. Journal of Range Management, 1988, 41, 220.	0.3	45