

Juan de la Riva

List of Publications by Year in descending order

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69
papers

2,723
citations

201385

27
h-index

182168

51
g-index

73
all docs

73
docs citations

73
times ranked

2820
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking deforestation patterns to soil types: A multifractal approach. <i>European Journal of Soil Science</i> , 2021, 72, 635-655.	1.8	7
2	Assessing the Potential of the DART Model to Discrete Return LiDAR Simulation Application to Fuel Type Mapping. <i>Remote Sensing</i> , 2021, 13, 342.	1.8	8
3	LandTrendr smoothed spectral profiles enhance woody encroachment monitoring. <i>Remote Sensing of Environment</i> , 2021, 262, 112521.	4.6	20
4	Fire regime dynamics in mainland Spain. Part 2: A near-future prospective of fire activity. <i>Science of the Total Environment</i> , 2020, 705, 135842.	3.9	13
5	Fire regime dynamics in mainland Spain. Part 1: Drivers of change. <i>Science of the Total Environment</i> , 2020, 721, 135841.	3.9	31
6	Fuel Type Classification Using Airborne Laser Scanning and Sentinel 2 Data in Mediterranean Forest Affected by Wildfires. <i>Remote Sensing</i> , 2020, 12, 3660.	1.8	27
7	Quantifying forest residual biomass in <i>Pinus halepensis</i> Miller stands using Airborne Laser Scanning data. <i>GIScience and Remote Sensing</i> , 2019, 56, 1210-1232.	2.4	8
8	Temporal Transferability of Pine Forest Attributes Modeling Using Low-Density Airborne Laser Scanning Data. <i>Remote Sensing</i> , 2019, 11, 261.	1.8	19
9	The role of short-term weather conditions in temporal dynamics of fire regime features in mainland Spain. <i>Journal of Environmental Management</i> , 2019, 241, 575-586.	3.8	19
10	Estimating Forest Residual Biomass in Mediterranean <i>Pinus Halepensis</i> Forest Using Low Point Density ALS Data. , 2018, , .		0
11	A comprehensive spatial-temporal analysis of driving factors of human-caused wildfires in Spain using Geographically Weighted Logistic Regression. <i>Journal of Environmental Management</i> , 2018, 225, 177-192.	3.8	61
12	Estimation of Total Biomass in Aleppo Pine Forest Stands Applying Parametric and Nonparametric Methods to Low-Density Airborne Laser Scanning Data. <i>Forests</i> , 2018, 9, 158.	0.9	28
13	Using low-density discrete Airborne Laser Scanning data to assess the potential carbon dioxide emission in case of a fire event in a Mediterranean pine forest. <i>GIScience and Remote Sensing</i> , 2017, 54, 721-740.	2.4	8
14	Understanding wildfires in mainland Spain. A comprehensive analysis of fire regime features in a climate-human context. <i>Applied Geography</i> , 2017, 89, 100-111.	1.7	24
15	Comparison of regression models to estimate biomass losses and CO2 emissions using low-density airborne laser scanning data in a burnt Aleppo pine forest. <i>European Journal of Remote Sensing</i> , 2017, 50, 384-396.	1.7	16
16	Exploring spatial-temporal dynamics of fire regime features in mainland Spain. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1697-1711.	1.5	34
17	El empleo de imágenes Landsat TM para la detección y cartografía de áreas incendiadas en el Prepirineo occidental oscense. <i>Geographicalia</i> , 2017, , 131.	0.1	3
18	Estimación de la severidad en incendios forestales a partir de datos LiDAR-PNOA y valores de Composite Burn Index. <i>Revista De Teledeteccion</i> , 2017, , 1.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Ciudad y medio ambiente. Geographicalia, 2017, , 113.	0.1	0
20	La política forestal de la C.E.E.. Geographicalia, 2017, , 161.	0.1	0
21	Algunas precisiones sobre la incidencia de la política de concentración parcelaria en Aragón. Geographicalia, 2017, , 233.	0.1	0
22	Analysis of recent spatial-temporal evolution of human driving factors of wildfires in Spain. Natural Hazards, 2016, 84, 2049-2070.	1.6	64
23	Use of low point density ALS data to estimate stand-level structural variables in Mediterranean Aleppo pine forest. Forestry, 2016, 89, 373-382.	1.2	34
24	Zonificación paisajística para la planificación territorial: el caso de las directrices del Bajo Aragón. Geographicalia, 2016, , 3.	0.1	0
25	Aportación al análisis de las repercusiones ambientales de la Gestión de la Confederación Hidrográfica del Ebro. Geographicalia, 2016, , 75.	0.1	1
26	Interpolation Routines Assessment in ALS-Derived Digital Elevation Models for Forestry Applications. Remote Sensing, 2015, 7, 8631-8654.	1.8	61
27	A Comparison of Open-Source LiDAR Filtering Algorithms in a Mediterranean Forest Environment. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 4072-4085.	2.3	82
28	Role of biotic factors and droughts in the forest decline: contributions from dendroecology. Ecosistemas, 2015, 24, 15-23.	0.2	6
29	Factores ambientales que controlan la producción de escorrentía y sedimento en el matorral semiárido del sector central de la depresión del Ebro (bajo valle del Gállego, Zaragoza). El papel de la pedregosidad, la vegetación y el suelo. Geographicalia, 2015, , 85.	0.1	0
30	Forest Fire Severity Assessment Using ALS Data in a Mediterranean Environment. Remote Sensing, 2014, 6, 4240-4265.	1.8	46
31	Assessment of Methods for Land Surface Temperature Retrieval from Landsat-5 TM Images Applicable to Multiscale Tree-Grass Ecosystem Modeling. Remote Sensing, 2014, 6, 4345-4368.	1.8	88
32	Integrating geospatial information into fire risk assessment. International Journal of Wildland Fire, 2014, 23, 606.	1.0	134
33	Polarimetric Properties of Burned Forest Areas at C- and L-Band. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 267-276.	2.3	39
34	Modeling the spatial variation of the explanatory factors of human-caused wildfires in Spain using geographically weighted logistic regression. Applied Geography, 2014, 48, 52-63.	1.7	155
35	Remote-sensing and tree-ring based characterization of forest defoliation and growth loss due to the Mediterranean pine processionary moth. Forest Ecology and Management, 2014, 320, 171-181.	1.4	67
36	A method for regional-scale assessment of vegetation recovery time after high-severity wildfires. Progress in Physical Geography, 2014, 38, 556-575.	1.4	16

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37	An insight into machine-learning algorithms to model human-caused wildfire occurrence. <i>Environmental Modelling and Software</i> , 2014, 57, 192-201.	1.9	170
38	Apuntes sobre los efectos de los incendios forestales y restauraci3n ambiental de rea quemadas. Estado de la cuesti3n y principios generales. <i>Geographicalia</i> , 2014, , 295.	0.1	2
39	Estimaci3n del potencial energ3tico de los pinares de la provincia de Teruel mediante teledetecci3n. <i>Geographicalia</i> , 2014, , 109.	0.1	1
40	Modelling the Ecological Vulnerability to Forest Fires in Mediterranean Ecosystems Using Geographic Information Technologies. <i>Environmental Management</i> , 2012, 50, 1012-1026.	1.2	39
41	Micro-scale post-fire surface cover changes monitored using high spatial resolution photography in a semiarid environment: A useful tool in the study of post-fire soil erosion processes. <i>Journal of Arid Environments</i> , 2012, 76, 88-96.	1.2	39
42	Comparison of Multicriteria Analysis Techniques for Environmental Decision Making on Industrial Location. , 2012, , .		3
43	Estimating burn severity at the regional level using optically based indices. <i>Canadian Journal of Forest Research</i> , 2011, 41, 863-872.	0.8	42
44	Sensitivity of SAR data to post-fire forest regrowth in Mediterranean and boreal forests. <i>Remote Sensing of Environment</i> , 2011, 115, 2075-2085.	4.6	77
45	TerraSAR-X Data for Burn Severity Evaluation in Mediterranean Forests on Sloped Terrain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, 48, 917-929.	2.7	30
46	Sensitivity of X-, C-, and L-Band SAR Backscatter to Burn Severity in Mediterranean Pine Forests. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, 48, 3663-3675.	2.7	86
47	Development of a framework for fire risk assessment using remote sensing and geographic information system technologies. <i>Ecological Modelling</i> , 2010, 221, 46-58.	1.2	392
48	Post-fire land degradation of <i>Pinus sylvestris</i> L. woodlands after 14 years. <i>Land Degradation and Development</i> , 2010, 21, 145-160.	1.8	20
49	Properties of X-, C- and L-band repeat-pass interferometric SAR coherence in Mediterranean pine forests affected by fires. <i>Remote Sensing of Environment</i> , 2010, 114, 2182-2194.	4.6	62
50	Backscatter properties of multitemporal TerraSAR-X data and the effects of influencing factors on burn severity evaluation, in a mediterranean pine forest. , 2009, , .		2
51	Modelling environmental variables for geohazards and georesources assessment to support sustainable land-use decisions in Zaragoza (Spain). <i>Geomorphology</i> , 2009, 111, 88-103.	1.1	16
52	Effects of Fire on Vegetation, Soil and Hydrogeomorphological Behavior in Mediterranean Ecosystems. , 2009, , 111-128.		8
53	Doline probability map using logistic regression and GIS technology in the central Ebro Basin (Spain). <i>Environmental Geology</i> , 2008, 54, 963-977.	1.2	71
54	Suitability analysis for sand and gravel extraction site location in the context of a sustainable development in the surroundings of Zaragoza (Spain). <i>Environmental Geology</i> , 2008, 55, 1673-1686.	1.2	16

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55	Estimation of Crown Biomass of Pinus spp. From Landsat TM and Its Effect on Burn Severity in a Spanish Fire Scar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2008, 1, 254-265.	2.3	13
56	Combined Methodology Based on Field Spectrometry and Digital Photography for Estimating Fire Severity. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2008, 1, 266-274.	2.3	3
57	Mapping lightning/human-caused wildfires occurrence under ignition point location uncertainty. Ecological Modelling, 2007, 200, 321-333.	1.2	107
58	Groundwater vulnerability map for the Ebro alluvial aquifer between Jalón and Ginel tributaries (Spain). Environmental Geology, 2007, 53, 861-878.	1.2	7
59	Estudio de los procesos de regeneración vegetal postincendio en parcelas experimentales mediante radiometría de campo. Cuadernos De Investigacion Geografica, 2007, 33, 59.	0.6	0
60	Impacto de los incendios forestales en comunidades vegetales sub-mediterráneas : evaluación multitemporal de la diversidad del paisaje utilizando imágenes Landsat TM. Cuadernos De Investigacion Geografica, 2007, 33, 101.	0.6	1
61	A model to evaluate the ecological vulnerability to forest fires in Mediterranean ecosystems. Forest Ecology and Management, 2006, 234, S203.	1.4	10
62	Mapping erosion-sensitive areas after wildfires using fieldwork, remote sensing, and geographic information systems techniques on a regional scale. Journal of Geophysical Research, 2006, 111, .	3.3	20
63	Combining NDVI and surface temperature for the estimation of live fuel moisture content in forest fire danger rating. Remote Sensing of Environment, 2004, 92, 322-331.	4.6	266
64	Mapping wildfire occurrence at regional scale. Remote Sensing of Environment, 2004, 92, 288-294.	4.6	25
65	Mapping wildfire occurrence at regional scale. Remote Sensing of Environment, 2004, 92, 363-369.	4.6	49
66	Using Remote Sensing to Estimate a Renewable Resource: Forest Residual Biomass. , 0, , .		5
67	Assessing the effect on fire risk modeling of the uncertainty in the location and cause of forest fires. , 0, , 1061-1072.		4
68	AERIAL MAPPING AND MULTI-SENSORS APPROACHES FROM REMOTE SENSING APPLIED TO THE ROMAN ARCHAEOLOGICAL HERITAGE. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-5/W4, 461-467.	0.2	14
69	Assessment of Biomass and Carbon Content in a Mediterranean Aleppo Pine Forest Using ALS Data. , 0, , .		0