

Alfonso Fernández-Manso

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,269
citations

430874

18
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1371
citing authors

#	ARTICLE	IF	CITATIONS
1	SENTINEL-2A red-edge spectral indices suitability for discriminating burn severity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 50, 170-175.	2.8	208
2	Spectral unmixing. <i>International Journal of Remote Sensing</i> , 2012, 33, 5307-5340.	2.9	128
3	Multiple Endmember Spectral Mixture Analysis (MESMA) to map burn severity levels from Landsat images in Mediterranean countries. <i>Remote Sensing of Environment</i> , 2013, 136, 76-88.	11.0	122
4	Burn severity metrics in fire-prone pine ecosystems along a climatic gradient using Landsat imagery. <i>Remote Sensing of Environment</i> , 2018, 206, 205-217.	11.0	86
5	Burn severity influence on post-fire vegetation cover resilience from Landsat MESMA fraction images time series in Mediterranean forest ecosystems. <i>Remote Sensing of Environment</i> , 2016, 184, 112-123.	11.0	82
6	Land surface temperature as potential indicator of burn severity in forest Mediterranean ecosystems. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 36, 1-12.	2.8	75
7	Environmental drivers of fire severity in extreme fire events that affect Mediterranean pine forest ecosystems. <i>Forest Ecology and Management</i> , 2019, 433, 24-32.	3.2	72
8	Burn severity mapping from Landsat MESMA fraction images and Land Surface Temperature. <i>Remote Sensing of Environment</i> , 2017, 190, 83-95.	11.0	65
9	Evaluation of potential of multiple endmember spectral mixture analysis (MESMA) for surface coal mining affected area mapping in different world forest ecosystems. <i>Remote Sensing of Environment</i> , 2012, 127, 181-193.	11.0	52
10	Evaluation and comparison of Landsat 8, Sentinel-2 and Deimos-1 remote sensing indices for assessing burn severity in Mediterranean fire-prone ecosystems. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 80, 137-144.	2.8	48
11	Remote Sensing Applied to the Study of Fire Regime Attributes and Their Influence on Post-Fire Greenness Recovery in Pine Ecosystems. <i>Remote Sensing</i> , 2018, 10, 733.	4.0	40
12	Estimation of area burned by forest fires in Mediterranean countries: A remote sensing data mining perspective. <i>Forest Ecology and Management</i> , 2011, 262, 1597-1607.	3.2	34
13	Burn severity analysis in Mediterranean forests using maximum entropy model trained with EO-1 Hyperion and LiDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 155, 102-118.	11.1	30
14	Evaluation of Composite Burn Index and Land Surface Temperature for Assessing Soil Burn Severity in Mediterranean Fire-Prone Pine Ecosystems. <i>Forests</i> , 2018, 9, 494.	2.1	28
15	Evaluation of fire severity in fire prone-ecosystems of Spain under two different environmental conditions. <i>Journal of Environmental Management</i> , 2020, 271, 110706.	7.8	26
16	Estimation of aboveground biomass in Mediterranean forests by statistical modelling of ASTER fraction images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 31, 45-56.	2.8	23
17	Enhanced burn severity estimation using fine resolution ET and MESMA fraction images with machine learning algorithm. <i>Remote Sensing of Environment</i> , 2020, 244, 111815.	11.0	22
18	Vegetation and Soil Fire Damage Analysis Based on Species Distribution Modeling Trained with Multispectral Satellite Data. <i>Remote Sensing</i> , 2019, 11, 1832.	4.0	20

#	ARTICLE	IF	CITATIONS
19	A Synergetic Approach to Burned Area Mapping Using Maximum Entropy Modeling Trained with Hyperspectral Data and VIIRS Hotspots. <i>Remote Sensing</i> , 2020, 12, 858.	4.0	18
20	Pre-fire aboveground biomass, estimated from LiDAR, spectral and field inventory data, as a major driver of burn severity in maritime pine (<i>Pinus pinaster</i>) ecosystems. <i>Forest Ecosystems</i> , 2022, 9, 100022.	3.1	15
21	Assessment of the influence of biophysical properties related to fuel conditions on fire severity using remote sensing techniques: a case study on a large fire in NW Spain. <i>International Journal of Wildland Fire</i> , 2019, 28, 512.	2.4	14
22	Evaluation of Prescribed Fires from Unmanned Aerial Vehicles (UAVs) Imagery and Machine Learning Algorithms. <i>Remote Sensing</i> , 2020, 12, 1295.	4.0	14
23	Burn Severity and Post-Fire Land Surface Albedo Relationship in Mediterranean Forest Ecosystems. <i>Remote Sensing</i> , 2019, 11, 2309.	4.0	11
24	Multiple Endmember Spectral Mixture Analysis (MESMA) Applied to the Study of Habitat Diversity in the Fine-Grained Landscapes of the Cantabrian Mountains. <i>Remote Sensing</i> , 2021, 13, 979.	4.0	11
25	Evaluating Landsat ETM+ emissivity-enhanced spectral indices for burn severity discrimination in Mediterranean forest ecosystems. <i>Remote Sensing Letters</i> , 2015, 6, 302-310.	1.4	10
26	Can Landsat-Derived Variables Related to Energy Balance Improve Understanding of Burn Severity From Current Operational Techniques?. <i>Remote Sensing</i> , 2020, 12, 890.	4.0	6
27	Pattern validation for MODIS image mining of burned area objects. <i>International Journal of Remote Sensing</i> , 2010, 31, 3065-3087.	2.9	5
28	CCD CBERS and ASTER data in dasometric characterization of <i>Pinus radiata</i> D. Don (North-western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	1
29	Generalized fractional integrals in advanced remote sensing. , 2016, , .		1
30	Biomass estimation of <i>Pinus radiata</i> (D. Don) stands in Northwestern Spain by unmixing CCD CBERS data. , 2009, , .		0
31	Changes on albedo after a large forest fire in Mediterranean ecosystems. , 2015, , .		0