Xavier Pons

List of Publications by Year
in descending order

78 papers	4,443 citations	159585 30 h-index	106344 65 g-index
86 all docs	86 docs citations	86 times ranked	6136 citing authors

#	Article	IF	Citations
1	Driving Forces of Forest Expansion Dynamics across the Iberian Peninsula (1987–2017): A Spatio-Temporal Transect. Forests, 2022, 13, 475.	2.1	1
2	Phenological sensitivity and seasonal variability explain climate-driven trends in Mediterranean butterflies. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220251.	2.6	9
3	Geospatial Queries on Data Collection Using a Common Provenance Model. ISPRS International Journal of Geo-Information, 2021, 10, 139.	2.9	2
4	Geospatial User Feedback: How to Raise Users' Voices and Collectively Build Knowledge at the Same Time. ISPRS International Journal of Geo-Information, 2021, 10, 141.	2.9	1
5	A Framework of Filtering Rules over Ground Truth Samples to Achieve Higher Accuracy in Land Cover Maps. Remote Sensing, 2021, 13, 2662.	4.0	3
6	Fusing Landsat and SAR Data for Mapping Tropical Deforestation through Machine Learning Classification and the PVts-β Non-Seasonal Detection Approach. Canadian Journal of Remote Sensing, 2021, 47, 677-696.	2.4	10
7	The Role of Recent (1985–2014) Patterns of Land Abandonment and Environmental Factors in the Establishment and Growth of Secondary Forests in the Iberian Peninsula. Land, 2021, 10, 817.	2.9	4
8	An Operational Radiometric Correction Technique for Shadow Reduction in Multispectral UAV Imagery. Remote Sensing, 2021, 13, 3808.	4.0	6
9	Re-conceptualising education policy trajectories in a globalised world: lessons from a multi-level comparison of accountability in France and Quebec. Comparative Education, 2021, 57, 560-578.	2.7	4
10	An update of the Worldwide Integrated Assessment (WIA) on systemic pesticides. Part 4: Alternatives in major cropping systems. Environmental Science and Pollution Research, 2020, 27, 29867-29899.	5.3	68
11	Protected Areas from Space Map Browser with Fast Visualization and Analytical Operations on the Fly. Characterizing Statistical Uncertainties and Balancing Them with Visual Perception. ISPRS International Journal of Geo-Information, 2020, 9, 300.	2.9	2
12	Factors determining variation in colour morph frequencies in invasive Harmonia axyridis populations. Biological Invasions, 2020, 22, 2049-2062.	2.4	14
13	Unmanned aerial system protocol for quarry restoration and mineral extraction monitoring. Journal of Environmental Management, 2020, 270, 110717.	7.8	21
14	A provenance metadata model integrating ISO geospatial lineage and the OGC WPS: Conceptual model and implementation. Transactions in GIS, 2019, 23, 1102-1124.	2.3	8
15	A Portal Offering Standard Visualization and Analysis on top of an Open Data Cube for Sub-National Regions: The Catalan Data Cube Example. Data, 2019, 4, 96.	2.3	18
16	Regime shifts of Mediterranean forest carbon uptake and reduced resilience driven by multidecadal ocean surface temperatures. Global Change Biology, 2019, 25, 2825-2840.	9.5	22
17	Remotely sensed indicators and open-access biodiversity data to assess bird diversity patterns in Mediterranean rural landscapes. Scientific Reports, 2019, 9, 6826.	3.3	16
18	An Empirical Approach on Shadow Reduction of UAV Imagery in Forests. , 2019, , .		7

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19	Monitoring opencast mine restorations using Unmanned Aerial System (UAS) imagery. Science of the Total Environment, 2019, 657, 1602-1614.	8.0	67
20	Comparison of four UAV georeferencing methods for environmental monitoring purposes focusing on the combined use with airborne and satellite remote sensing platforms. International Journal of Applied Earth Observation and Geoinformation, 2019, 75, 130-140.	2.8	107
21	Spatial and spectral pattern identification for the automatic selection of high-quality MODIS images. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	1
22	Trajectories. Educational Governance Research, 2019, , 115-150.	0.5	0
23	Environmental and socioeconomic factors of abandonment of rainfed and irrigated crops in northeast Spain. Applied Geography, 2018, 90, 155-174.	3.7	44
24	Radiometric Correction of Landsat-8 and Sentinel-2A Scenes Using Drone Imagery in Synergy with Field Spectroradiometry. Remote Sensing, 2018, 10, 1687.	4.0	50
25	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7863-E7870.	7.1	401
26	Developing spatially and thematically detailed backdated maps for land cover studies. International Journal of Digital Earth, 2017, 10, 175-206.	3.9	16
27	W3C PROV to describe provenance at the dataset, feature and attribute levels in a distributed environment. Computers, Environment and Urban Systems, 2017, 64, 103-117.	7.1	26
28	Fifteen years of research on PISA effects on education governance: A critical review. European Journal of Education, 2017, 52, 131-144.	2.8	31
29	Factors affecting forest dynamics in the Iberian Peninsula from 1987 to 2012. The role of topography and drought. Forest Ecology and Management, 2017, 406, 290-306.	3.2	34
30	Vernacular globalisations: neo-statist accountability policies in France and Quebec education. Journal of Education Policy, 2017, 32, 100-122.	2.8	41
31	Improving Mean Minimum and Maximum Month-to-Month Air Temperature Surfaces Using Satellite-Derived Land Surface Temperature. Remote Sensing, 2017, 9, 1313.	4.0	16
32	Radiometric Correction of Simultaneously Acquired Landsat-7/Landsat-8 and Sentinel-2A Imagery Using Pseudoinvariant Areas (PIA): Contributing to the Landsat Time Series Legacy. Remote Sensing, 2017, 9, 1319.	4.0	39
33	Estimating Water Consumption and Irrigation Requirements in a Long-Established Mediterranean Rural Community by Remote Sensing and Field Data. Irrigation and Drainage, 2016, 65, 578-588.	1.7	28
34	Tracing the French policy PISA debate: A policy configuration approach. European Educational Research Journal, 2016, 15, 580-597.	2.1	12
35	Rural abandoned landscapes and bird assemblages: winners and losers in the rewilding of a marginal mountain area (NW Spain). Regional Environmental Change, 2016, 16, 199-211.	2.9	68
36	Uncertainty visualization of remote sensing crop maps enriched at parcel scale: a contribution for a more conscious GIS dataset usage. Journal of Maps, 2016, 12, 979-984.	2.0	3

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37	The national management of public and Catholic schools in France: moving from a loosely coupled towards an integrated system?. Comparative Education, 2015, 51, 57-70.	2.7	9
38	Linking land cover dynamics with driving forces in mountain landscape of the Northwestern Iberian Peninsula. International Journal of Applied Earth Observation and Geoinformation, 2015, 38, 1-14.	2.8	50
39	Characterization of a newly established aggregation of the invasive ladybeetle Harmonia axyridis and current status of the invader in Spain. Spanish Journal of Agricultural Research, 2015, 13, e1006.	0.6	6
40	Changer dâ€™Ã©chelleÂ? Les inspections gÃ©nÃ©rales de lâ€™Ã©ducation nationale face Ã la dÃ©concentration du systÃ¨me scolaire. Revue Francaise D'Administration Publique, 2015, NÂ° 155, 647-658.	0.2	5
41	Largeâ€scale recruitment limitation in <scp>M</scp>editerranean pines: the role of <i><scp>Q</scp>uercus ilex</i> and forest successional advance as key regional drivers. Global Ecology and Biogeography, 2014, 23, 371-384.	5.8	86
42	Building the World Wide Hypermap (WWH) with a RESTful architecture. International Journal of Digital Earth, 2014, 7, 175-193.	3.9	2
43	School Inspection Bodies in England and France: Towards Crossed Paths?. Revue Francaise De Pedagogie, 2014, , 23-33.	0.1	4
44	Using species distribution modelling to disentangle realised versus potential distributions for rare species conservation. Biological Conservation, 2013, 166, 221-230.	4.1	108
45	Multivariate effect gradients driving forest demographic responses in the Iberian Peninsula. Forest Ecology and Management, 2013, 303, 195-209.	3.2	49
46	Rubric-Q: Adding Quality-Related Elements to the GEOSS Clearinghouse Datasets. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1676-1687.	4.9	7
47	Two Mediterranean irrigation communities in front of water scarcity: A comparison using satellite image time series. Journal of Arid Environments, 2013, 98, 41-51.	2.4	10
48	The Science from the State: The Production of Data by the Statisticians of the French Ministry of Education, 1957â€"2007. European Educational Research Journal, 2013, 12, 53-69.	2.1	3
49	Impact of lossy compression on mapping crop areas from remote sensing. International Journal of Remote Sensing, 2013, 34, 2796-2813.	2.9	30
50	Effects of Topography on the Radiometry of CHRIS/PROBA Images of Successional Stages Within Tropical Dry Forests. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1584-1595.	4.9	6
51	Spatial pattern alterations from JPEG2000 lossy compression of remote sensing images: massive variogram analysis in high performance computing. Journal of Applied Remote Sensing, 2013, 7, 073595.	1.3	5
52	A Geostatistical Approach for Selecting the Highest Quality MODIS Daily Images. Lecture Notes in Computer Science, 2013, , 608-615.	1.3	1
53	Impact of CCSDS-IDC and JPEG 2000 Compression on Image Quality and Classification. Journal of Electrical and Computer Engineering, 2012, 2012, 1-13.	0.9	5
54	Going beyond the â€˜PISA Shockâ€™ Discourse: An Analysis of the Cognitive Reception of PISA in Six European Countries, 2001â€"2008. European Educational Research Journal, 2012, 11, 206-226.	2.1	50

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55	Tuning the second-generation SDI: theoretical aspects and real use cases. International Journal of Geographical Information Science, 2012, 26, 983-1014.	4.8	28
56	Ten Years of Local Water Resource Management: Integrating Satellite Remote Sensing and Geographical Information Systems. European Journal of Remote Sensing, 2012, 45, 317-332.	3.5	10
57	Modelling invasive alien species distributions from digital biodiversity atlases. Model upscaling as a means of reconciling data at different scales. Diversity and Distributions, 2012, 18, 1177-1189.	4.1	30
58	The Turn and the Paths. Education Inquiry, 2012, 3, 123-147.	2.9	2
59	Geostatistical analysis of Landsat-TM lossy compression images in a high-performance computing environment. , 2011, , .		1
60	What Do We Really Learn from PISA? The Sociology of its Reception in Three European Countries (2001–2008)[1]. European Journal of Education, 2011, 46, 540-548.	2.8	25
61	Parallel ordinary kriging interpolation incorporating automatic variogram fitting. Computers and Geosciences, 2011, 37, 464-473.	4.2	60
62	Widespread crown condition decline, food web disruption, and amplified tree mortality with increased climate change-type drought. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1474-1478.	7.1	726
63	Mapping a topographic global solar radiation model implemented in a GIS and refined with ground data. International Journal of Climatology, 2008, 28, 1821-1834.	3.5	82
64	Implications of JPEG2000 lossy compression on multiple regression modelling. , 2007, , .		0
65	Temporal Signatures of Mediterranean Irrigated Crops Using Satellite Image Time Series. , 2007, , .		0
66	Analysis and objective mapping of extreme daily rainfall in Catalonia. International Journal of Climatology, 2007, 27, 399-409.	3.5	40
67	Objective air temperature mapping for the Iberian Peninsula using spatial interpolation and GIS. International Journal of Climatology, 2007, 27, 1231-1242.	3.5	119
68	Agricultural Abandonment in the North Eastern Iberian Peninsula: The Use of Basic Landscape Metrics to Support Planning. Journal of Environmental Planning and Management, 2005, 48, 85-102.	4.5	79
69	Spatial patterns of fire occurrence in Catalonia, NE, Spain. Landscape Ecology, 2004, 19, 731-745.	4.2	141
70	maps from Landsat MSS data. International Journal of Wildland Fire, 2004, 13, 89.	2.4	48
71	Satellite Evidence of Decreasing Resilience in Mediterranean Plant Communities after Recurrent Wildfires. Ecology, 2002, 83, 2293.	3.2	30
72	SATELLITE EVIDENCE OF DECREASING RESILIENCE IN MEDITERRANEAN PLANT COMMUNITIES AFTER RECURRENT WILDFIRES. Ecology, 2002, 83, 2293-2303.	3.2	229

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73	Wildfires and landscape patterns in the Eastern Iberian Peninsula. Landscape Ecology, 2002, 17, 745-759.	4.2	223
74	Spatial patterns of forest fires in Catalonia (NE of Spain) along the period 1975–1995. Forest Ecology and Management, 2001, 147, 67-74.	3.2	129
75	A methodological approach of climatological modelling of air temperature and precipitation through GIS techniques. International Journal of Climatology, 2000, 20, 1823-1841.	3.5	475
76	Landscape structure and bird species richness: implications for conservation in rural areas between natural parks. Landscape and Urban Planning, 2000, 49, 35-48.	7.5	128
77	On the applicability of Landsat TM images to Mediterranean forest inventories. Forest Ecology and Management, 1998, 104, 193-208.	3.2	30
78	A simple radiometric correction model to improve automatic mapping of vegetation from multispectral satellite data. Remote Sensing of Environment, 1994, 48, 191-204.	11.0	101