

# Xavier Pons

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	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
3	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
4	SATELLITE EVIDENCE OF DECREASING RESILIENCE IN MEDITERRANEAN PLANT COMMUNITIES AFTER RECURRENT WILDFIRES. Ecology, 2002, 83, 2293-2303.	3.2	229
5	Wildfires and landscape patterns in the Eastern Iberian Peninsula. Landscape Ecology, 2002, 17, 745-759.	4.2	223
6	Spatial patterns of fire occurrence in Catalonia, NE, Spain. Landscape Ecology, 2004, 19, 731-745.	4.2	141
7	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
8	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
9	Objective air temperature mapping for the Iberian Peninsula using spatial interpolation and GIS. International Journal of Climatology, 2007, 27, 1231-1242.	3.5	119
10	Using species distribution modelling to disentangle realised versus potential distributions for rare species conservation. Biological Conservation, 2013, 166, 221-230.	4.1	108
11	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
12	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
13	Large-scale recruitment limitation in Mediterranean pines: the role of <i>Quercus ilex</i> and forest successional advance as key regional drivers. Global Ecology and Biogeography, 2014, 23, 371-384.	5.8	86
14	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
15	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
16	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
17	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
18	Monitoring opencast mine restorations using Unmanned Aerial System (UAS) imagery. Science of the Total Environment, 2019, 657, 1602-1614.	8.0	67

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19	Parallel ordinary kriging interpolation incorporating automatic variogram fitting. <i>Computers and Geosciences</i> , 2011, 37, 464-473.	4.2	60
20	Going beyond the "PISA Shock"™ Discourse: An Analysis of the Cognitive Reception of PISA in Six European Countries, 2001-2008. <i>European Educational Research Journal</i> , 2012, 11, 206-226.	2.1	50
21	Linking land cover dynamics with driving forces in mountain landscape of the Northwestern Iberian Peninsula. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 38, 1-14.	2.8	50
22	Radiometric Correction of Landsat-8 and Sentinel-2A Scenes Using Drone Imagery in Synergy with Field Spectroradiometry. <i>Remote Sensing</i> , 2018, 10, 1687.	4.0	50
23	Multivariate effect gradients driving forest demographic responses in the Iberian Peninsula. <i>Forest Ecology and Management</i> , 2013, 303, 195-209.	3.2	49
24	maps from Landsat MSS data. <i>International Journal of Wildland Fire</i> , 2004, 13, 89.	2.4	48
25	Environmental and socioeconomic factors of abandonment of rainfed and irrigated crops in northeast Spain. <i>Applied Geography</i> , 2018, 90, 155-174.	3.7	44
26	Vernacular globalisations: neo-statist accountability policies in France and Quebec education. <i>Journal of Education Policy</i> , 2017, 32, 100-122.	2.8	41
27	Analysis and objective mapping of extreme daily rainfall in Catalonia. <i>International Journal of Climatology</i> , 2007, 27, 399-409.	3.5	40
28	Radiometric Correction of Simultaneously Acquired Landsat-7/Landsat-8 and Sentinel-2A Imagery Using Pseudoinvariant Areas (PIA): Contributing to the Landsat Time Series Legacy. <i>Remote Sensing</i> , 2017, 9, 1319.	4.0	39
29	Factors affecting forest dynamics in the Iberian Peninsula from 1987 to 2012. The role of topography and drought. <i>Forest Ecology and Management</i> , 2017, 406, 290-306.	3.2	34
30	Fifteen years of research on PISA effects on education governance: A critical review. <i>European Journal of Education</i> , 2017, 52, 131-144.	2.8	31
31	On the applicability of Landsat TM images to Mediterranean forest inventories. <i>Forest Ecology and Management</i> , 1998, 104, 193-208.	3.2	30
32	Satellite Evidence of Decreasing Resilience in Mediterranean Plant Communities after Recurrent Wildfires. <i>Ecology</i> , 2002, 83, 2293.	3.2	30
33	Modelling invasive alien species distributions from digital biodiversity atlases. Model upscaling as a means of reconciling data at different scales. <i>Diversity and Distributions</i> , 2012, 18, 1177-1189.	4.1	30
34	Impact of lossy compression on mapping crop areas from remote sensing. <i>International Journal of Remote Sensing</i> , 2013, 34, 2796-2813.	2.9	30
35	Tuning the second-generation SDI: theoretical aspects and real use cases. <i>International Journal of Geographical Information Science</i> , 2012, 26, 983-1014.	4.8	28
36	Estimating Water Consumption and Irrigation Requirements in a Long-Established Mediterranean Rural Community by Remote Sensing and Field Data. <i>Irrigation and Drainage</i> , 2016, 65, 578-588.	1.7	28

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37	W3C PROV to describe provenance at the dataset, feature and attribute levels in a distributed environment. <i>Computers, Environment and Urban Systems</i> , 2017, 64, 103-117.	7.1	26
38	What Do We Really Learn from PISA? The Sociology of its Reception in Three European Countries (2001â€“2008) <sup>1</sup> . <i>European Journal of Education</i> , 2011, 46, 540-548.	2.8	25
39	Regime shifts of Mediterranean forest carbon uptake and reduced resilience driven by multidecadal ocean surface temperatures. <i>Global Change Biology</i> , 2019, 25, 2825-2840.	9.5	22
40	Unmanned aerial system protocol for quarry restoration and mineral extraction monitoring. <i>Journal of Environmental Management</i> , 2020, 270, 110717.	7.8	21
41	A Portal Offering Standard Visualization and Analysis on top of an Open Data Cube for Sub-National Regions: The Catalan Data Cube Example. <i>Data</i> , 2019, 4, 96.	2.3	18
42	Developing spatially and thematically detailed backdated maps for land cover studies. <i>International Journal of Digital Earth</i> , 2017, 10, 175-206.	3.9	16
43	Improving Mean Minimum and Maximum Month-to-Month Air Temperature Surfaces Using Satellite-Derived Land Surface Temperature. <i>Remote Sensing</i> , 2017, 9, 1313.	4.0	16
44	Remotely sensed indicators and open-access biodiversity data to assess bird diversity patterns in Mediterranean rural landscapes. <i>Scientific Reports</i> , 2019, 9, 6826.	3.3	16
45	Factors determining variation in colour morph frequencies in invasive <i>Harmonia axyridis</i> populations. <i>Biological Invasions</i> , 2020, 22, 2049-2062.	2.4	14
46	Tracing the French policy PISA debate: A policy configuration approach. <i>European Educational Research Journal</i> , 2016, 15, 580-597.	2.1	12
47	Ten Years of Local Water Resource Management: Integrating Satellite Remote Sensing and Geographical Information Systems. <i>European Journal of Remote Sensing</i> , 2012, 45, 317-332.	3.5	10
48	Two Mediterranean irrigation communities in front of water scarcity: A comparison using satellite image time series. <i>Journal of Arid Environments</i> , 2013, 98, 41-51.	2.4	10
49	Fusing Landsat and SAR Data for Mapping Tropical Deforestation through Machine Learning Classification and the PVts- $\hat{I}^2$ Non-Seasonal Detection Approach. <i>Canadian Journal of Remote Sensing</i> , 2021, 47, 677-696.	2.4	10
50	The national management of public and Catholic schools in France: moving from a loosely coupled towards an integrated system?. <i>Comparative Education</i> , 2015, 51, 57-70.	2.7	9
51	Phenological sensitivity and seasonal variability explain climate-driven trends in Mediterranean butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220251.	2.6	9
52	A provenance metadata model integrating ISO geospatial lineage and the OGC WPS: Conceptual model and implementation. <i>Transactions in GIS</i> , 2019, 23, 1102-1124.	2.3	8
53	Rubric-Q: Adding Quality-Related Elements to the GEOSS Clearinghouse Datasets. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2013, 6, 1676-1687.	4.9	7
54	An Empirical Approach on Shadow Reduction of UAV Imagery in Forests. , 2019, , .		7

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55	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
56	An Operational Radiometric Correction Technique for Shadow Reduction in Multispectral UAV Imagery. Remote Sensing, 2021, 13, 3808.	4.0	6
57	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
58	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
59	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
60	Changer d'écocollège? Les inspections générales de l'éducation nationale face à la concentration du système scolaire. Revue Française D'Administration Publique, 2015, N° 155, 647-658.	0.2	5
61	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
62	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
63	School Inspection Bodies in England and France: Towards Crossed Paths?. Revue Française De Pédagogie, 2014, , 23-33.	0.1	4
64	The Science from the State: The Production of Data by the Statisticians of the French Ministry of Education, 1957-2007. European Educational Research Journal, 2013, 12, 53-69.	2.1	3
65	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
66	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
67	Building the World Wide Hypermap (WWH) with a RESTful architecture. International Journal of Digital Earth, 2014, 7, 175-193.	3.9	2
68	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
69	Geospatial Queries on Data Collection Using a Common Provenance Model. ISPRS International Journal of Geo-Information, 2021, 10, 139.	2.9	2
70	The Turn and the Paths. Education Inquiry, 2012, 3, 123-147.	2.9	2
71	Geostatistical analysis of Landsat-TM lossy compression images in a high-performance computing environment. , 2011, , .		1
72	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

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73	A Geostatistical Approach for Selecting the Highest Quality MODIS Daily Images. Lecture Notes in Computer Science, 2013, , 608-615.	1.3	1
74	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
75	Driving Forces of Forest Expansion Dynamics across the Iberian Peninsula (1987â€“2017): A Spatio-Temporal Transect. Forests, 2022, 13, 475.	2.1	1
76	Implications of JPEG2000 lossy compression on multiple regression modelling., 2007, , .		0
77	Temporal Signatures of Mediterranean Irrigated Crops Using Satellite Image Time Series. , 2007, , .		0
78	Trajectories. Educational Governance Research, 2019, , 115-150.	0.5	0