

# Joan Estrany

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8938109/publications.pdf>

Version: 2024-02-01

43  
papers

912  
citations

471509

17  
h-index

477307

29  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of land use and seasonality on stream water quality in a small tropical catchment: The headwater of C��rrego ��gua Limpa, S��o Paulo (Brazil). <i>Science of the Total Environment</i> , 2018, 622-623, 1553-1561.	8.0	90
2	Climate and land use change effects on soil erosion in two small agricultural catchment systems Fugnitz �� Austria, Can Revull �� Spain. <i>Science of the Total Environment</i> , 2020, 704, 135389.	8.0	61
3	Holocene demographic fluctuations, climate and erosion in the Mediterranean: A meta data-analysis. <i>Holocene</i> , 2019, 29, 864-885.	1.7	54
4	Spatial patterns of sediment connectivity in terraced lands: Anthropogenic controls of catchment sensitivity. <i>Land Degradation and Development</i> , 2018, 29, 1198-1210.	3.9	53
5	Hydrological response of a small mediterranean agricultural catchment. <i>Journal of Hydrology</i> , 2010, 380, 180-190.	5.4	49
6	Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. <i>Journal of Hydrology</i> , 2019, 571, 390-405.	5.4	49
7	Exploring suspended sediment delivery dynamics of two Mediterranean nested catchments. <i>Hydrological Processes</i> , 2017, 31, 698-715.	2.6	45
8	Suspended sediment transport in a small Mediterranean agricultural catchment. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 929-940.	2.5	38
9	An investigation of soil erosion and redistribution in a Mediterranean lowland agricultural catchment using caesium-137. <i>International Journal of Sediment Research</i> , 2010, 25, 1-16.	3.5	34
10	Sediment connectivity linked to vegetation using UAVs: High-resolution imagery for ecosystem management. <i>Science of the Total Environment</i> , 2019, 671, 1192-1205.	8.0	33
11	Post-fire hydrological response and suspended sediment transport of a terraced Mediterranean catchment. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 2254-2265.	2.5	29
12	Changes in Soil Quality and Hydrological Connectivity Caused by the Abandonment of Terraces in a Mediterranean Burned Catchment. <i>Forests</i> , 2017, 8, 333.	2.1	27
13	Effects of agricultural drainage systems on sediment connectivity in a small Mediterranean lowland catchment. <i>Geomorphology</i> , 2018, 318, 162-171.	2.6	27
14	Runoff and soil moisture as driving factors in suspended sediment transport of a small mid-mountain Mediterranean catchment. <i>Geomorphology</i> , 2020, 368, 107349.	2.6	21
15	Analysing hydrological and sediment transport regime in two Mediterranean intermittent rivers. <i>Catena</i> , 2021, 196, 104865.	5.0	21
16	Groundwater control on the suspended sediment load in the Na Borges River, Mallorca, Spain. <i>Geomorphology</i> , 2009, 106, 292-303.	2.6	20
17	Wildfire Effects on Suspended Sediment Delivery Quantified Using Fallout Radionuclide Tracers in a Mediterranean Catchment. <i>Land Degradation and Development</i> , 2016, 27, 1501-1512.	3.9	18
18	Characterizing vegetation complexity with unmanned aerial systems (UAS) �� A framework and synthesis. <i>Ecological Indicators</i> , 2021, 131, 108156.	6.3	18

#	ARTICLE	IF	CITATIONS
19	Fluxes and storage of fine-grained sediment and associated contaminants in the Na Borges River (Mallorca, Spain). <i>Catena</i> , 2011, 87, 291-305.	5.0	17
20	The role of wildfire on soil quality in abandoned terraces of three Mediterranean micro-catchments. <i>Catena</i> , 2018, 170, 246-256.	5.0	17
21	Regeneration of three pine species in a Mediterranean forest: A study to test predictions from species distribution models under changing climates. <i>Science of the Total Environment</i> , 2017, 584-585, 78-87.	8.0	16
22	Analysis of post-fire suspended sediment sources by using colour parameters. <i>Geoderma</i> , 2020, 379, 114638.	5.1	15
23	Can inpainting improve digital terrain analysis? Comparing techniques for void filling, surface reconstruction and geomorphometric analyses. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 736-755.	2.5	13
24	Relationship of Weather Types on the Seasonal and Spatial Variability of Rainfall, Runoff, and Sediment Yield in the Western Mediterranean Basin. <i>Atmosphere</i> , 2020, 11, 609.	2.3	13
25	Nano and Micro Unmanned Aerial Vehicles (UAVs): A New Grand Challenge for Precision Agriculture?. <i>Current Protocols in Plant Biology</i> , 2020, 5, e20103.	2.8	13
26	Accuracy Assessment of Digital Terrain Model Dataset Sources for Hydrogeomorphological Modelling in Small Mediterranean Catchments. <i>Remote Sensing</i> , 2018, 10, 2014.	4.0	12
27	Multiple Temporal Scales Assessment in the Hydrological Response of Small Mediterranean-Climate Catchments. <i>Water (Switzerland)</i> , 2020, 12, 299.	2.7	12
28	A suspended sediment budget for the agricultural Can Revull catchment (Mallorca, Spain). <i>Zeitschrift für Geomorphologie</i> , 2012, 56, 169-193.	0.8	11
29	Catchment controls and human disturbances on the geomorphology of small Mediterranean estuarine systems. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 150, 230-241.	2.1	11
30	Combining sediment fingerprinting and hydro-sedimentary monitoring to assess suspended sediment provenance in a mid-mountainous Mediterranean catchment. <i>Journal of Environmental Management</i> , 2021, 299, 113593.	7.8	9
31	Testing the Use of <sup>210</sup> Pb <sub>ex</sub> to Study Sediment Connectivity in a Mediterranean Mountain Basin with Badlands. <i>Land Degradation and Development</i> , 2018, 29, 676-689.	3.9	8
32	Secondary succession and parent material drive soil bacterial community composition in terraced abandoned olive groves from a Mediterranean hyper-humid mountainous area. <i>Agriculture, Ecosystems and Environment</i> , 2022, 332, 107932.	5.3	8
33	Source ascription in bed sediments of a Mediterranean temporary stream after the first post-fire flush. <i>Journal of Soils and Sediments</i> , 2017, 17, 2582-2595.	3.0	7
34	Evaluating functional connectivity in a small agricultural catchment under contrasting flood events by using UAV. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 800-815.	2.5	7
35	Eco-geomorphological connectivity and coupling interactions at hillslope scale in drylands: Concepts and critical examples. <i>Journal of Arid Environments</i> , 2021, 186, 104418.	2.4	7
36	Streamflow dynamics in a Mediterranean temporary river. <i>Hydrological Sciences Journal</i> , 2010, 55, 717-736.	2.6	5

#	ARTICLE	IF	CITATIONS
37	Comparison of stage/discharge rating curves derived from different recording systems: Consequences for streamflow data and water management in a Mediterranean island. <i>Science of the Total Environment</i> , 2019, 665, 968-981.	8.0	5
38	Hydrogeomorphological analysis and modelling for a comprehensive understanding of flash-flood damage processes: the 9 October 2018 event in northeastern Mallorca. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 2195-2220.	3.6	5
39	Respuesta hidro-sedimentaria en dos cuencas mediterrÁneas representativas afectadas por el cambio global. <i>Cuaternario Y Geomorfología</i> , 2016, 30, 87.	0.2	4
40	Influence of weather types on the hydrosedimentary response in three small catchments on the Island of Mallorca, Spain. <i>Environmental Research</i> , 2021, 192, 110324.	7.5	3
41	The Study of Land Degradation in Drylands: State of the Art. , 2014, , 13-54.		3
42	Interactions between Geomorphology and Urban Evolution Since Neolithic Times in a Mediterranean City. , 2018, , 9-35.		2
43	Characterizing Patterns. , 2014, , 211-245.		0