

JÃ©rÃ©me Latron

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

4,173
citations

109137

35
h-index

118652

62
g-index

101
all docs

101
docs citations

101
times ranked

4524
citing authors

#	ARTICLE	IF	CITATIONS
1	Stemflow infiltration areas into forest soils around American beech (<sc><i>Fagus</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Jf 50 742	1.1	10
2	A Proposal to Classify and Assess Ecological Status in Mediterranean Temporary Rivers: Research Insights to Solve Management Needs. <i>Water (Switzerland)</i> , 2021, 13, 767.	1.2	10
3	Adapting participatory processes in temporary rivers management. <i>Environmental Science and Policy</i> , 2021, 120, 145-156.	2.4	6
4	Drivers of the circumferential variation of stemflow inputs on the boles of <i>Pinus sylvestris</i> L. (Scots pine). <i>Ecohydrology</i> , 2021, 14, e2348.	1.1	5
5	Natural disturbances can produce misleading bioassessment results: Identifying metrics to detect anthropogenic impacts in intermittent rivers. <i>Journal of Applied Ecology</i> , 2020, 57, 283-295.	1.9	30
6	Conservation and Management of Isolated Pools in Temporary Rivers. <i>Water (Switzerland)</i> , 2020, 12, 2870.	1.2	29
7	Runoff and soil moisture as driving factors in suspended sediment transport of a small mid-mountain Mediterranean catchment. <i>Geomorphology</i> , 2020, 368, 107349.	1.1	21
8	Investigating young water fractions in a small Mediterranean mountain catchment: Both precipitation forcing and sampling frequency matter. <i>Hydrological Processes</i> , 2020, 34, 3618-3634.	1.1	17
9	Technical note: An improved discharge sensitivity metric for young water fractions. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 1101-1107.	1.9	12
10	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.	1.0	13
11	Multiple Temporal Scales Assessment in the Hydrological Response of Small Mediterranean-Climate Catchments. <i>Water (Switzerland)</i> , 2020, 12, 299.	1.2	12
12	Throughfall isotopic composition in relation to drop size at the intra-event scale in a Mediterranean Scots pine stand. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 4675-4690.	1.9	9
13	Contributions of throughfall, forest and soil characteristics to near-surface soil water-content variability at the plot scale in a mountainous Mediterranean area. <i>Science of the Total Environment</i> , 2019, 647, 1421-1432.	3.9	39
14	Mechanisms of consistently disjunct soil water pools over (pore) space and time. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2751-2762.	1.9	51
15	Moisture origin and characteristics of the isotopic signature of rainfall in a Mediterranean mountain catchment (Vallcebre, eastern Pyrenees). <i>Journal of Hydrology</i> , 2019, 575, 767-779.	2.3	10
16	Particulate Matter Fluxes in a Mediterranean Mountain Forest: Interspecific Differences Between Throughfall and Stemflow in Oak and Pine Stands. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5106-5116.	1.2	13
17	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.	3.9	5
18	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.	2.3	49

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19	Hydro-geomorphological consequences of the abandonment of agricultural terraces in the Mediterranean region: Key controlling factors and landscape stability patterns. <i>Geomorphology</i> , 2019, 333, 73-91.	1.1	76
20	Spatio-temporal variability of the isotopic input signal in a partly forested catchment: Implications for hydrograph separation. <i>Hydrological Processes</i> , 2019, 33, 36-46.	1.1	14
21	Effect of biotic and abiotic factors on inter- and intra-event variability in stemflow rates in oak and pine stands in a Mediterranean mountain area. <i>Journal of Hydrology</i> , 2018, 560, 396-406.	2.3	37
22	Testing the Use of ²¹⁰ Pb _{ex} to Study Sediment Connectivity in a Mediterranean Mountain Basin with Badlands. <i>Land Degradation and Development</i> , 2018, 29, 676-689.	1.8	8
23	Temporal variability and time compression of sediment yield in small Mediterranean catchments: impacts for land and water management. <i>Soil Use and Management</i> , 2018, 34, 388-403.	2.6	16
24	Modification of the isotopic composition of rainfall by throughfall and stemflow: The case of Scots pine and downy oak forests under Mediterranean conditions. <i>Ecohydrology</i> , 2018, 11, e2025.	1.1	13
25	What have we learnt about Mediterranean catchment hydrology? 30 years observing hydrological processes in the Vallcebre Research Catchments. <i>Cuadernos De Investigacion Geografica</i> , 2018, 44, 475-502.	0.6	20
26	The relevance of hydrological research in small catchments – A perspective from long-term monitoring sites in Europe. <i>Cuadernos De Investigacion Geografica</i> , 2018, 44, 387-395.	0.6	4
27	TREHS: An open-access software tool for investigating and evaluating temporary river regimes as a first step for their ecological status assessment. <i>Science of the Total Environment</i> , 2017, 607-608, 519-540.	3.9	40
28	Investigating the behaviour of a small Mediterranean catchment using three different hydrological models as hypotheses. <i>Hydrological Processes</i> , 2016, 30, 2050-2062.	1.1	6
29	A GLUE-based uncertainty assessment framework for tritium-inferred transit time estimations under baseflow conditions. <i>Hydrological Processes</i> , 2016, 30, 4741-4760.	1.1	10
30	Validating alternative methodologies to estimate the regime of temporary rivers when flow data are unavailable. <i>Science of the Total Environment</i> , 2016, 565, 1001-1010.	3.9	47
31	Reassessing global change research priorities in mediterranean terrestrial ecosystems: how far have we come and where do we go from here?. <i>Global Ecology and Biogeography</i> , 2015, 24, 25-43.	2.7	111
32	THE MIRAGE TOOLBOX: AN INTEGRATED ASSESSMENT TOOL FOR TEMPORARY STREAMS. <i>River Research and Applications</i> , 2014, 30, 1318-1334.	0.7	74
33	Applicability of acoustic Doppler devices for flow velocity measurements and discharge estimation in flows with sediment transport. <i>Journal of Hydrology</i> , 2014, 509, 504-518.	2.3	20
34	Spatio-temporal variability of soil water content on the local scale in a Mediterranean mountain area (Vallcebre, North Eastern Spain). How different spatio-temporal scales reflect mean soil water content. <i>Journal of Hydrology</i> , 2014, 516, 182-192.	2.3	36
35	Spatial and temporal variability of groundwater dynamics in a sub-Mediterranean mountain catchment. <i>Hydrological Processes</i> , 2014, 28, 3288-3299.	1.1	20
36	Spatial and temporal dynamics of soil moisture in a Mediterranean mountain area (Vallcebre, NE) Tj ETQq0 0 0 rgBT ₁ /Overlock 10 Tf 50 6	1.1	18

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37	Small scale spatial variability of snow density and depth over complex alpine terrain: Implications for estimating snow water equivalent. <i>Advances in Water Resources</i> , 2013, 55, 40-52.	1.7	136
38	Short- and long-term studies of sediment dynamics in a small humid mountain Mediterranean basin with badlands. <i>Geomorphology</i> , 2013, 196, 242-251.	1.1	33
39	Towards sustainable management of Mediterranean river basins: policy recommendations on management aspects of temporary streams. <i>Water Policy</i> , 2013, 15, 830-849.	0.7	61
40	A novel approach to analysing the regimes of temporary streams in relation to their controls on the composition and structure of aquatic biota. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3165-3182.	1.9	101
41	Soil moisture estimation through ASCAT and AMSR-E sensors: An intercomparison and validation study across Europe. <i>Remote Sensing of Environment</i> , 2011, 115, 3390-3408.	4.6	483
42	Assessing the sources of uncertainty associated with the calculation of rainfall kinetic energy and erosivity – application to the Upper Llobregat Basin, NE Spain. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 679-688.	1.9	22
43	Differences in stream flow in relation to changes in land cover: A comparative study in two sub-Mediterranean mountain catchments. <i>Journal of Hydrology</i> , 2011, 411, 366-378.	2.3	43
44	Do seasonal changes in habitat features influence aquatic macroinvertebrate assemblages in perennial versus temporary Mediterranean streams?. <i>Aquatic Sciences</i> , 2011, 73, 567-579.	0.6	64
45	Variability of snow depth at the plot scale: implications for mean depth estimation and sampling strategies. <i>Cryosphere</i> , 2011, 5, 617-629.	1.5	63
46	Hydrology and Biogeochemistry of Mediterranean Forests. <i>Ecological Studies</i> , 2011, , 301-319.	0.4	9
47	Effects of sample and grid size on the accuracy and stability of regression-based snow interpolation methods. <i>Hydrological Processes</i> , 2010, 24, 1914-1928.	1.1	25
48	A multi-year study of rainfall and soil water controls on Scots pine transpiration under Mediterranean mountain conditions. <i>Hydrological Processes</i> , 2010, 24, 3053-3064.	1.1	40
49	Variability of snow density measurements in the Esera Valley, Pyrenees Mountains, Spain. <i>Cuadernos De Investigacion Geografica</i> , 2010, 36, 59.	0.6	21
50	Comment on “Modelling rainfall interception in a Mediterranean Quercus ilex ecosystem: Lesson from a throughfall exclusion experiment” by Limousin et al. [<i>Journal of Hydrology</i> 357 (2008) 57-66]. <i>Journal of Hydrology</i> , 2009, 365, 140-141.	2.3	0
51	The Hydrology of Mediterranean Mountain Areas. <i>Geography Compass</i> , 2009, 3, 2045-2064.	1.5	53
52	Influence of canopy density on snow distribution in a temperate mountain range. <i>Hydrological Processes</i> , 2008, 22, 117-126.	1.1	57
53	Spatial and temporal variability of the hydrological response in a small Mediterranean research catchment (Vallcebre, Eastern Pyrenees). <i>Hydrological Processes</i> , 2008, 22, 775-787.	1.1	73
54	Runoff generation processes in a small Mediterranean research catchment (Vallcebre, Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.3	94

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55	Flood generation and sediment transport in experimental catchments affected by land use changes in the central Pyrenees. <i>Journal of Hydrology</i> , 2008, 356, 245-260.	2.3	172
56	Upscaling discrete internal observations for obtaining catchment-averaged TOPMODEL parameters in a small Mediterranean mountain basin. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 1090-1094.	1.2	13
57	Relationships between suspended sediment concentrations and discharge in two small research basins in a mountainous Mediterranean area (Vallcebre, Eastern Pyrenees). <i>Geomorphology</i> , 2008, 98, 143-152.	1.1	68
58	Temporal distribution of suspended sediment transport in a humid Mediterranean badland area: The Araguás catchment, Central Pyrenees. <i>Geomorphology</i> , 2008, 97, 601-616.	1.1	73
59	Relationships among rainfall, runoff, and suspended sediment in a small catchment with badlands. <i>Catena</i> , 2008, 74, 127-136.	2.2	101
60	Spatial heterogeneity in snow water equivalent induced by forest canopy in a mixed beech-fir stand in the Pyrenees. <i>Annals of Glaciology</i> , 2008, 49, 83-90.	2.8	11
61	Forests and Their Hydrological Effects in Mediterranean Mountains. <i>Mountain Research and Development</i> , 2008, 28, 279-285.	0.4	45
62	Temporal variability in hydrological response within a small catchment with badland areas, central Pyrenees. <i>Hydrological Sciences Journal</i> , 2008, 53, 629-639.	1.2	29
63	Investigating hydrological regimes and processes in a set of catchments with temporary waters in Mediterranean Europe. <i>Hydrological Sciences Journal</i> , 2008, 53, 618-628.	1.2	28
64	Temporal variability in the relationships between precipitation, discharge and suspended sediment concentration in a small Mediterranean mountain catchment. <i>Hydrology Research</i> , 2007, 38, 139-150.	1.1	48
65	Frequency-magnitude relationships for precipitation, stream flow and sediment load events in a small Mediterranean basin (Vallcebre basin, Eastern Pyrenees). <i>Catena</i> , 2007, 71, 164-171.	2.2	27
66	Seasonal dynamics of runoff-contributing areas in a small mediterranean research catchment (Vallcebre, Eastern Pyrenees). <i>Journal of Hydrology</i> , 2007, 335, 194-206.	2.3	70
67	Streamflow response and water-table dynamics in a sub-Mediterranean research catchment (Central) Tj ETQq1 1 0.784314 rgBT /Ove	2.3	61
68	Using internal catchment information to reduce the uncertainty of discharge and baseflow predictions. <i>Advances in Water Resources</i> , 2007, 30, 808-823.	1.7	58
69	Cross-site Comparison of Variability of DOC and Nitrate q Hysteresis during the Autumn-winter Period in Three Mediterranean Headwater Streams: A Synthetic Approach. <i>Biogeochemistry</i> , 2006, 77, 327-349.	1.7	91
70	Chapter 1 Catchment dynamics in a Mediterranean mountain environment. The Vallcebre research basins (southeastern Pyrenees) I: Hydrology. <i>Developments in Earth Surface Processes</i> , 2005, 7, 1-16.	2.8	8
71	Respuesta hidrológica de una cuenca forestal en la montaña media pirenaica : el caso de San Salvador. <i>Cuadernos De Investigacion Geografica</i> , 2005, 31, 59.	0.6	6
72	Comment on L. Ciarapica and E. Todini, TOPKAPI: a model for the representation of the rainfall-runoff process at different scales. <i>Hydrological Processes</i> 16(2002) 207-229. <i>Hydrological Processes</i> , 2004, 18, 179-182.	1.1	0

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73	Land Use and Land Cover Change After Agricultural Abandonment. Mountain Research and Development, 2003, 23, 362-368.	0.4	288
74	Internal evaluation of a physically-based distributed model using data from a Mediterranean mountain catchment. Hydrology and Earth System Sciences, 2002, 6, 67-84.	1.9	31
75	Hydrological processes and their seasonal controls in a small Mediterranean mountain catchment in the Pyrenees. Hydrology and Earth System Sciences, 2002, 6, 527-537.	1.9	153
76	Sensitivity analysis and multi-response, multi-criteria evaluation of a physically based distributed model. Hydrological Processes, 2002, 16, 333-353.	1.1	93
77	Rainfall interception by a Pinus sylvestris forest patch overgrown in a Mediterranean mountainous abandoned area I. Monitoring design and results down to the event scale. Journal of Hydrology, 1997, 199, 331-345.	2.3	166
78	Hydrological functioning of mediterranean mountain basins in Vallcebre, Catalonia: Some challenges for hydrological modelling. Hydrological Processes, 1997, 11, 1263-1272.	1.1	49
79	Hydrological response of two nested small mediterranean basins presenting various degradation states. Physics and Chemistry of the Earth, 1995, 20, 369-374.	0.3	7
80	Studying the role of old agricultural terraces on runoff generation in a small Mediterranean mountainous basin. Journal of Hydrology, 1994, 159, 291-303.	2.3	133
81	Analysis of the role of agricultural abandoned terraces on the hydrology and sediment dynamics in a small mountainous basin (High Llobregat, Eastern Pyrenees). Pirineos, 1992, 139, 27-46.	0.6	35
82	Seasonal and storm flow dynamics of dissolved organic carbon in a Mediterranean mountain catchment (Vallcebre, eastern Pyrenees). Hydrological Sciences Journal, 0, , 1-14.	1.2	3