JÃ©rÃ´me Latron

List of Publications by Year
in descending order

83 papers	4,173 citations	101543 36 h-index	118850 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 (<scp>Fagus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742	2.4	8
2	A Proposal to Classify and Assess Ecological Status in Mediterranean Temporary Rivers: Research Insights to Solve Management Needs. Water (Switzerland), 2021, 13, 767.	2.7	10
3	Adapting participatory processes in temporary rivers management. Environmental Science and Policy, 2021, 120, 145-156.	4.9	6
4	Drivers of the circumferential variation of stemflow inputs on the boles of Pinus sylvestris L. (Scots pine). Ecohydrology, 2021, 14, e2348.	2.4	5
5	Natural disturbances can produce misleading bioassessment results: Identifying metrics to detect anthropogenic impacts in intermittent rivers. Journal of Applied Ecology, 2020, 57, 283-295.	4.0	30
6	Conservation and Management of Isolated Pools in Temporary Rivers. Water (Switzerland), 2020, 12, 2870.	2.7	29
7	Runoff and soil moisture as driving factors in suspended sediment transport of a small mid-mountain Mediterranean catchment. Geomorphology, 2020, 368, 107349.	2.6	21
8	Investigating young water fractions in a small Mediterranean mountain catchment: Both precipitation forcing and sampling frequency matter. Hydrological Processes, 2020, 34, 3618-3634.	2.6	17
9	Technical note: An improved discharge sensitivity metric for young water fractions. Hydrology and Earth System Sciences, 2020, 24, 1101-1107.	4.9	12
10	Relationship of Weather Types on the Seasonal and Spatial Variability of Rainfall, Runoff, and Sediment Yield in the Western Mediterranean Basin. Atmosphere, 2020, 11, 609.	2.3	13
11	Multiple Temporal Scales Assessment in the Hydrological Response of Small Mediterranean-Climate Catchments. Water (Switzerland), 2020, 12, 299.	2.7	12
12	Throughfall isotopic composition in relation to drop size at the intra-event scale in a Mediterranean Scots pine stand. Hydrology and Earth System Sciences, 2020, 24, 4675-4690.	4.9	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. Science of the Total Environment, 2019, 647, 1421-1432.	8.0	39
14	Mechanisms of consistently disjunct soil water pools over (pore) space and time. Hydrology and Earth System Sciences, 2019, 23, 2751-2762.	4.9	51
15	Moisture origin and characteristics of the isotopic signature of rainfall in a Mediterranean mountain catchment (Vallcebre, eastern Pyrenees). Journal of Hydrology, 2019, 575, 767-779.	5.4	10
16	Particulate Matter Fluxes in a Mediterranean Mountain Forest: Interspecific Differences Between Throughfall and Stemflow in Oak and Pine Stands. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5106-5116.	3.3	13
17	Comparison of stage/discharge rating curves derived from different recording systems: Consequences for streamflow data and water management in a Mediterranean island. Science of the Total Environment, 2019, 665, 968-981.	8.0	5
18	Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. Journal of Hydrology, 2019, 571, 390-405.	5.4	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. Geomorphology, 2019, 333, 73-91.	2.6	76
20	Spatioâ€temporal variability of the isotopic input signal in a partly forested catchment: Implications for hydrograph separation. Hydrological Processes, 2019, 33, 36-46.	2.6	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. Journal of Hydrology, 2018, 560, 396-406.	5.4	37
22	Testing the Use of ²¹⁰Pb_{ex} to Study Sediment Connectivity in a Mediterranean Mountain Basin with Badlands. Land Degradation and Development, 2018, 29, 676-689.	3.9	8
23	Temporal variability and time compression of sediment yield in small Mediterranean catchments: impacts for land and water management. Soil Use and Management, 2018, 34, 388-403.	4.9	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. Ecohydrology, 2018, 11, e2025.	2.4	13
25	What have we learnt about Mediterranean catchment hydrology? 30 years observing hydrological processes in the Vallcebre Research Catchments. Cuadernos De Investigacion Geografica, 2018, 44, 475-502.	1.1	20
26	The relevance of hydrological research in small catchments â€“ A perspective from long-term monitoring sites in Europe. Cuadernos De Investigacion Geografica, 2018, 44, 387-395.	1.1	4
27	TREHS: An open-access software tool for investigating and evaluating temporary river regimes as a first step for their ecological status assessment. Science of the Total Environment, 2017, 607-608, 519-540.	8.0	40
28	Investigating the behaviour of a small Mediterranean catchment using three different hydrological models as hypotheses. Hydrological Processes, 2016, 30, 2050-2062.	2.6	6
29	A GLUEâ€based uncertainty assessment framework for tritiumâ€inferred transit time estimations under baseflow conditions. Hydrological Processes, 2016, 30, 4741-4760.	2.6	10
30	Validating alternative methodologies to estimate the regime of temporary rivers when flow data are unavailable. Science of the Total Environment, 2016, 565, 1001-1010.	8.0	47
31	Reassessing global change research priorities in mediterranean terrestrial ecosystems: how far have we come and where do we go from here?. Global Ecology and Biogeography, 2015, 24, 25-43.	5.8	111
32	THE MIRAGE TOOLBOX: AN INTEGRATED ASSESSMENT TOOL FOR TEMPORARY STREAMS. River Research and Applications, 2014, 30, 1318-1334.	1.7	74
33	Applicability of acoustic Doppler devices for flow velocity measurements and discharge estimation in flows with sediment transport. Journal of Hydrology, 2014, 509, 504-518.	5.4	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. Journal of Hydrology, 2014, 516, 182-192.	5.4	36
35	Spatial and temporal variability of groundwater dynamics in a sub-Mediterranean mountain catchment. Hydrological Processes, 2014, 28, 3288-3299.	2.6	20
36	Spatial and temporal dynamics of soil moisture in a Mediterranean mountain area (Vallcebre, NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.4	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. Advances in Water Resources, 2013, 55, 40-52.	3.8	136
38	Short- and long-term studies of sediment dynamics in a small humid mountain Mediterranean basin with badlands. Geomorphology, 2013, 196, 242-251.	2.6	33
39	Towards sustainable management of Mediterranean river basins: policy recommendations on management aspects of temporary streams. Water Policy, 2013, 15, 830-849.	1.5	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. Hydrology and Earth System Sciences, 2012, 16, 3165-3182.	4.9	101
41	Soil moisture estimation through ASCAT and AMSR-E sensors: An intercomparison and validation study across Europe. Remote Sensing of Environment, 2011, 115, 3390-3408.	11.0	483
42	Assessing the sources of uncertainty associated with the calculation of rainfall kinetic energy and erosivity â€“ application to the Upper Llobregat Basin, NE Spain. Hydrology and Earth System Sciences, 2011, 15, 679-688.	4.9	22
43	Differences in stream flow in relation to changes in land cover: A comparative study in two sub-Mediterranean mountain catchments. Journal of Hydrology, 2011, 411, 366-378.	5.4	43
44	Do seasonal changes in habitat features influence aquatic macroinvertebrate assemblages in perennial versus temporary Mediterranean streams?. Aquatic Sciences, 2011, 73, 567-579.	1.5	64
45	Variability of snow depth at the plot scale: implications for mean depth estimation and sampling strategies. Cryosphere, 2011, 5, 617-629.	3.9	63
46	Hydrology and Biogeochemistry of Mediterranean Forests. Ecological Studies, 2011, , 301-319.	1.2	9
47	Effects of sample and grid size on the accuracy and stability of regressionâ€based snow interpolation methods. Hydrological Processes, 2010, 24, 1914-1928.	2.6	25
48	A multiâ€year study of rainfall and soil water controls on Scots pine transpiration under Mediterranean mountain conditions. Hydrological Processes, 2010, 24, 3053-3064.	2.6	40
49	Variability of snow density measurements in the RÃo Esera Valley, Pyrenees Mountains, Spain. Cuadernos De Investigacion Geografica, 2010, 36, 59.	1.1	21
50	Comment on â€˜Modelling rainfall interception in a Mediterranean Quercus ilex ecosystem: Lesson from a throughfall exclusion experimentâ€™ by Limousin et al. [Journal of Hydrology 357 (2008) 57â€“66]. Journal of Hydrology, 2009, 365, 140-141.	5.4	0
51	The Hydrology of Mediterranean Mountain Areas. Geography Compass, 2009, 3, 2045-2064.	2.7	53
52	Influence of canopy density on snow distribution in a temperate mountain range. Hydrological Processes, 2008, 22, 117-126.	2.6	57
53	Spatial and temporal variability of the hydrological response in a small Mediterranean research catchment (Vallcebre, Eastern Pyrenees). Hydrological Processes, 2008, 22, 775-787.	2.6	73
54	Runoff generation processes in a small Mediterranean research catchment (Vallcebre, Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	5.4	94

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55	Flood generation and sediment transport in experimental catchments affected by land use changes in the central Pyrenees. Journal of Hydrology, 2008, 356, 245-260.	5.4	172
56	Upscaling discrete internal observations for obtaining catchment-averaged TOPMODEL parameters in a small Mediterranean mountain basin. Physics and Chemistry of the Earth, 2008, 33, 1090-1094.	2.9	13
57	Relationships between suspended sediment concentrations and discharge in two small research basins in a mountainous Mediterranean area (Vallcebre, Eastern Pyrenees). Geomorphology, 2008, 98, 143-152.	2.6	68
58	Temporal distribution of suspended sediment transport in a humid Mediterranean badland area: The AraguÃ¡s catchment, Central Pyrenees. Geomorphology, 2008, 97, 601-616.	2.6	73
59	Relationships among rainfall, runoff, and suspended sediment in a small catchment with badlands. Catena, 2008, 74, 127-136.	5.0	101
60	Spatial heterogeneity in snow water equivalent induced by forest canopy in a mixed beechâ€“fir stand in the Pyrenees. Annals of Glaciology, 2008, 49, 83-90.	1.4	11
61	Forests and Their Hydrological Effects in Mediterranean Mountains. Mountain Research and Development, 2008, 28, 279-285.	1.0	45
62	Temporal variability in hydrological response within a small catchment with badland areas, central Pyrenees. Hydrological Sciences Journal, 2008, 53, 629-639.	2.6	29
63	Investigating hydrological regimes and processes in a set of catchments with temporary waters in Mediterranean Europe. Hydrological Sciences Journal, 2008, 53, 618-628.	2.6	28
64	Temporal variability in the relationships between precipitation, discharge and suspended sediment concentration in a small Mediterranean mountain catchment. Hydrology Research, 2007, 38, 139-150.	2.7	48
65	Frequencyâ€“magnitude relationships for precipitation, stream flow and sediment load events in a small Mediterranean basin (Vallcebre basin, Eastern Pyrenees). Catena, 2007, 71, 164-171.	5.0	27
66	Seasonal dynamics of runoff-contributing areas in a small mediterranean research catchment (Vallcebre, Eastern Pyrenees). Journal of Hydrology, 2007, 335, 194-206.	5.4	70
67	Streamflow response and water-table dynamics in a sub-Mediterranean research catchment (Central) Tj ETQq1 1 0.784314 rgBT /Overlo	5.4	61
68	Using internal catchment information to reduce the uncertainty of discharge and baseflow predictions. Advances in Water Resources, 2007, 30, 808-823.	3.8	58
69	Cross-site Comparison of Variability of DOC and Nitrate câ€“q Hysteresis during the Autumnâ€“winter Period in Three Mediterranean Headwater Streams: A Synthetic Approach. Biogeochemistry, 2006, 77, 327-349.	3.5	91
70	Chapter 1 Catchment dynamics in a Mediterranean mountain environment. The Vallcebre research basins (southeastern Pyrenees) I: Hydrology. Developments in Earth Surface Processes, 2005, 7, 1-16.	2.8	8
71	Respuesta hidrolÃ³gica de una cuenca forestal en la montaÃ±a media pirenaica : el caso de San Salvador. Cuadernos De Investigacion Geografica, 2005, 31, 59.	1.1	6
72	Comment onâ€˜L. Ciarapica and E. Todini, TOPKAPI: a model for the representation of the rainfallâ€“ runoff process at different scales.Hydrological Processes 16(2002) 207â€“ 229â€™. Hydrological Processes, 2004, 18, 179-182.	2.6	0

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73	Land Use and Land Cover Change After Agricultural Abandonment. Mountain Research and Development, 2003, 23, 362-368.	1.0	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.	4.9	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.	4.9	153
76	Sensitivity analysis and multi-response, multi-criteria evaluation of a physically based distributed model. Hydrological Processes, 2002, 16, 333-353.	2.6	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.	5.4	166
78	Hydrological functioning of mediterranean mountain basins in Vallcebre, Catalonia: Some challenges for hydrological modelling. Hydrological Processes, 1997, 11, 1263-1272.	2.6	49
79	Hydrological functioning of mediterranean mountain basins in Vallcebre, Catalonia: Some challenges for hydrological modelling. Hydrological Processes, 1997, 11, 1263-1272.	2.6	0
80	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
81	Studying the role of old agricultural terraces on runoff generation in a small Mediterranean mountainous basin. Journal of Hydrology, 1994, 159, 291-303.	5.4	133
82	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
83	Seasonal and storm flow dynamics of dissolved organic carbon in a Mediterranean mountain catchment (Vallcebre, eastern Pyrenees). Hydrological Sciences Journal, 0, , 1-14.	2.6	3