

Marc Leblanc

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,246
citations

304743

22
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

4691
citing authors

#	ARTICLE	IF	CITATIONS
1	Ground water and climate change. Nature Climate Change, 2013, 3, 322-329.	18.8	1,513
2	A review of historic and future hydrological changes in the Murray-Darling Basin. Global and Planetary Change, 2012, 80-81, 226-246.	3.5	252
3	Land clearance and hydrological change in the Sahel: SW Niger. Global and Planetary Change, 2008, 61, 135-150.	3.5	174
4	Remote sensing and GIS for mapping groundwater recharge and discharge areas in salinity prone catchments, southeastern Australia. Hydrogeology Journal, 2007, 15, 75-96.	2.1	171
5	Recent changes in Lake Chad: Observations, simulations and management options (1973-2011). Global and Planetary Change, 2012, 80-81, 247-254.	3.5	100
6	Arid zone groundwater recharge and salinisation processes; an example from the Lake Eyre Basin, Australia. Journal of Hydrology, 2011, 408, 257-275.	5.4	95
7	Reconstruction of Megalake Chad using Shuttle Radar Topographic Mission data. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 239, 16-27.	2.3	91
8	The consequences of land use change on nutrient exports: a regional scale assessment in south-west Victoria, Australia. Journal of Environmental Management, 2005, 74, 305-316.	7.8	79
9	Thermal remote sensing of water under flooded vegetation: New observations of inundation patterns for the "Small" Lake Chad. Journal of Hydrology, 2011, 404, 87-98.	5.4	76
10	An independent component analysis filtering approach for estimating continental hydrology in the GRACE gravity data. Remote Sensing of Environment, 2011, 115, 187-204.	11.0	74
11	Remote sensing for groundwater modelling in large semiarid areas: Lake Chad Basin, Africa. Hydrogeology Journal, 2007, 15, 97-100.	2.1	68
12	Groundwater-surface water interaction and the impact of a multi-year drought on lakes conditions in South-East Australia. Journal of Hydrology, 2009, 379, 41-53.	5.4	55
13	Geochemical and isotopic constraints on the interaction between saline lakes and groundwater in southeast Australia. Hydrogeology Journal, 2009, 17, 1991-2004.	2.1	51
14	Groundwater depletion in the Hai River Basin, China, from <i>in situ</i> and GRACE observations. Hydrological Sciences Journal, 2015, 60, 671-687.	2.6	49
15	The use of radar satellite data from multiple incidence angles improves surface water mapping. Remote Sensing of Environment, 2014, 140, 652-664.	11.0	38
16	Modèle hydrologique du Lac Tchad. Hydrological Sciences Journal, 2011, 56, 411-425.	2.6	33
17	Relationship of local incidence angle with satellite radar backscatter for different surface conditions. International Journal of Applied Earth Observation and Geoinformation, 2013, 24, 42-53.	2.8	33
18	Application of Meteosat thermal data to map soil infiltrability in the central part of the Lake Chad basin, Africa.. Geophysical Research Letters, 2003, 30, .	4.0	29

#	ARTICLE	IF	CITATIONS
19	Assessment of the impacts of climate variability on total water storage across Africa: implications for groundwater resources management. <i>Hydrogeology Journal</i> , 2019, 27, 493-512.	2.1	28
20	Groundwater recharge sources in semiarid irrigated mountain fronts. <i>Hydrological Processes</i> , 2020, 34, 1598-1615.	2.6	27
21	The individual response of saline lakes to a severe drought. <i>Science of the Total Environment</i> , 2011, 409, 3919-3933.	8.0	26
22	Contrasting carbon export dynamics of human impacted and pristine tropical catchments in response to a short-lived discharge event. <i>Hydrological Processes</i> , 2014, 28, 1835-1843.	2.6	25
23	Tritium in river waters from French Mediterranean catchments: Background levels and variability. <i>Science of the Total Environment</i> , 2018, 612, 672-682.	8.0	23
24	Continuous monitoring of stream $\delta^{18}\text{O}$ and $\delta^2\text{H}$ and stormflow hydrograph separation using laser spectrometry in an agricultural catchment. <i>Hydrological Processes</i> , 2016, 30, 648-660.	2.6	22
25	High diurnal variation in dissolved inorganic C, $\delta^{13}\text{C}$ values and surface efflux of CO_2 in a seasonal tropical floodplain. <i>Environmental Chemistry Letters</i> , 2013, 11, 399-405.	16.2	17
26	Relative rates of solute and pressure propagation into heterogeneous alluvial aquifers following river flow events. <i>Journal of Hydrology</i> , 2014, 511, 891-903.	5.4	15
27	On the hydrology of the bauxite oases, Cape York Peninsula, Australia. <i>Journal of Hydrology</i> , 2015, 528, 668-682.	5.4	12
28	Leaky savannas: the significance of lateral carbon fluxes in the seasonal tropics. <i>Hydrological Processes</i> , 2016, 30, 873-887.	2.6	12
29	Rapid evolution of water resources in the Senegal delta. <i>Global and Planetary Change</i> , 2016, 144, 34-47.	3.5	11
30	Radar mapping of broad-scale inundation: challenges and opportunities in Australia. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 29-38.	4.0	9
31	A Comparative Study of GRACE with Continental Evapotranspiration Estimates in Australian Semi-Arid and Arid Basins: Sensitivity to Climate Variability and Extremes. <i>Water (Switzerland)</i> , 2017, 9, 614.	2.7	8
32	Multivariate Analysis and Machine Learning Approach for Mapping the Variability and Vulnerability of Urban Flooding: The Case of Tangier City, Morocco. <i>Hydrology</i> , 2021, 8, 182.	3.0	8
33	Enhanced pumping test using physicochemical tracers to determine surface-water/groundwater interactions in an alluvial island aquifer, river Rhône, France. <i>Hydrogeology Journal</i> , 2021, 29, 1569-1585.	2.1	6
34	When climate variability partly compensates for groundwater depletion: An analysis of the GRACE signal in Morocco. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101177.	2.4	5
35	Topical Collection: Climate-change research by early-career hydrogeologists. <i>Hydrogeology Journal</i> , 2018, 26, 673-676.	2.1	3
36	Pathogenic <i>Leptospira</i> and water quality in African cities: A case study of Cotonou, Benin. <i>Science of the Total Environment</i> , 2021, 774, 145541.	8.0	3

#	ARTICLE	IF	CITATIONS
37	Carbon Cycle in Lakes. Encyclopedia of Earth Sciences Series, 2012, , 121-125.	0.1	1
38	Chad Lake. Encyclopedia of Earth Sciences Series, 2012, , 141-148.	0.1	0