

# Simon D CarriÃre

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

397  
citations

1040056

9  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining Electrical Resistivity Tomography and Ground Penetrating Radar to study geological structuring of karst Unsaturated Zone. <i>Journal of Applied Geophysics</i> , 2013, 94, 31-41.	2.1	130
2	The role of deep vadose zone water in tree transpiration during drought periods in karst settings “ Insights from isotopic tracing and leaf water potential. <i>Science of the Total Environment</i> , 2020, 699, 134332.	8.0	43
3	The role of porous matrix in water flow regulation within a karst unsaturated zone: an integrated hydrogeophysical approach. <i>Hydrogeology Journal</i> , 2016, 24, 1905-1918.	2.1	41
4	Karst recharge-discharge semi distributed model to assess spatial variability of flows. <i>Science of the Total Environment</i> , 2020, 703, 134368.	8.0	38
5	SNO KARST: A French Network of Observatories for the Multidisciplinary Study of Critical Zone Processes in Karst Watersheds and Aquifers. <i>Vadose Zone Journal</i> , 2018, 17, 1-18.	2.2	37
6	Impact of local soil and subsoil conditions on inter-individual variations in tree responses to drought: insights from Electrical Resistivity Tomography. <i>Science of the Total Environment</i> , 2020, 698, 134247.	8.0	35
7	An evapotranspiration model driven by remote sensing data for assessing groundwater resource in karst watershed. <i>Science of the Total Environment</i> , 2021, 781, 146706.	8.0	15
8	Intra-specific variability in deep water extraction between trees growing on a Mediterranean karst. <i>Journal of Hydrology</i> , 2020, 590, 125428.	5.4	14
9	Surface Nuclear Magnetic Resonance Monitoring Reveals Karst Unsaturated Zone Recharge Dynamics during a Rain Event. <i>Water (Switzerland)</i> , 2020, 12, 3183.	2.7	10
10	Tree xylem water isotope analysis by Isotope Ratio Mass Spectrometry and laser spectrometry: A dataset to explore tree response to drought. <i>Data in Brief</i> , 2020, 29, 105349.	1.0	6
11	First Evidence of Correlation Between Evapotranspiration and Gravity at a Daily Time Scale From Two Vertically Spaced Superconducting Gravimeters. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	6
12	Using resistivity or logarithm of resistivity to calculate depth of investigation index to assess reliability of electrical resistivity tomography. <i>Geophysics</i> , 2017, 82, EN93-EN98.	2.6	5
13	Long-term groundwater resource observatory for Southwestern Madagascar. <i>Hydrological Processes</i> , 2021, 35, e14108.	2.6	4
14	Electromagnetic Induction Is a Fast and Non-Destructive Approach to Estimate the Influence of Subsurface Heterogeneity on Forest Canopy Structure. <i>Water (Switzerland)</i> , 2021, 13, 3218.	2.7	4
15	Process-Based Vegetation Models Improve Karst Recharge Simulation Under Mediterranean Forest. <i>Advances in Karst Science</i> , 2017, , 109-116.	0.3	3
16	Sustainable groundwater resources exploration and management in a complex geological setting as part of a humanitarian project (Mahafaly Plateau, Madagascar). <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	3
17	Hydrogeophysical monitoring of intense rainfall infiltration in the karst critical zone: A unique electrical resistivity tomography data set. <i>Data in Brief</i> , 2022, 40, 107762.	1.0	3