

# Konstantinos Chalikakis

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,354  
citations

361413

20  
h-index

345221

36  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of geophysical methods to karst-system exploration: an overview. <i>Hydrogeology Journal</i> , 2011, 19, 1169-1180.	2.1	271
2	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
3	OZCAR: The French Network of Critical Zone Observatories. <i>Vadose Zone Journal</i> , 2018, 17, 1-24.	2.2	126
4	Three-dimensional magnetic resonance imaging for groundwater. <i>New Journal of Physics</i> , 2011, 13, 025022.	2.9	61
5	Locating water-filled karst caverns and estimating their volume using magnetic resonance soundings. <i>Geophysics</i> , 2008, 73, G51-G61.	2.6	52
6	Management and research strategies of karst aquifers in Greece: Literature overview and exemplification based on hydrodynamic modelling and vulnerability assessment of a strategic karst aquifer. <i>Science of the Total Environment</i> , 2018, 643, 592-609.	8.0	49
7	TEM study of the geoelectrical structure and groundwater salinity of the Nahal Hever sinkhole site, Dead Sea shore, Israel. <i>Journal of Applied Geophysics</i> , 2011, 75, 99-112.	2.1	45
8	Using 2D inversion of magnetic resonance soundings to locate a water-filled karst conduit. <i>Journal of Hydrology</i> , 2006, 330, 413-421.	5.4	44
9	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
10	Geophysical characterisation of karstic networks – Application to the Ouyse system (Poumeysen, Tj ETQq0 0 0 ggBT /Overlock 10 T	1.2	42
11	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
12	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
13	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
14	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
15	Joint use of TEM and MRS methods in a complex geological setting. <i>Comptes Rendus - Geoscience</i> , 2009, 341, 908-917.	1.2	33
16	MRS applicability for a study of glacial sedimentary aquifers in Central Jutland, Denmark. <i>Journal of Applied Geophysics</i> , 2008, 66, 176-187.	2.1	32
17	Investigation of groundwater resources in the Komadugu Yobe Valley (Lake Chad Basin, Niger) using MRS and TDEM methods. <i>Journal of African Earth Sciences</i> , 2013, 87, 71-85.	2.0	29
18	The Dead Sea sinkhole hazard new findings based on a multidisciplinary geophysical study. <i>Zeitschrift für Geomorphologie</i> , 2010, 54, 69-90.	0.8	25

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19	Comparison of transmissivities from MRS and pumping tests in Denmark. <i>Near Surface Geophysics</i> , 2011, 9, 211-224.	1.2	22
20	Contribution of magnetic resonance soundings for characterizing water storage in the unsaturated zone of karst aquifers. <i>Geophysics</i> , 2016, 81, WB49-WB61.	2.6	22
21	Pre-existing caverns in salt formations could be the major cause of sinkhole hazards along the coast of the Dead Sea. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	18
22	Investigation of sedimentary aquifers in Denmark using the magnetic resonance sounding method (MRS). <i>Comptes Rendus - Geoscience</i> , 2009, 341, 918-927.	1.2	18
23	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
24	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
25	On the inclusion of ground-based gravity measurements to the calibration process of a global rainfall-discharge reservoir model: case of the Durzon karst system (Larzac, southern France). <i>Environmental Earth Sciences</i> , 2013, 68, 1631-1646.	2.7	11
26	Contraintes hydrochimiques entre les Causses karstiques du Moyen atlas tabulaire et le bassin de Saï's (Maroc): implications de la circulation des eaux souterraines. <i>Hydrogeology Journal</i> , 2018, 26, 71-87.	2.1	11
27	Challenges and Limitations of Karst Aquifer Vulnerability Mapping Based on the PaPRIKa Method—Application to a Large European Karst Aquifer (Fontaine de Vaucluse, France). <i>Environments - MDPI</i> , 2019, 6, 39.	3.3	11
28	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
29	Monitoring of groundwater redistribution in a karst aquifer using a superconducting gravimeter. <i>E3S Web of Conferences</i> , 2019, 88, 03001.	0.5	9
30	An integrative geological and geophysical approach to characterize a superficial deltaic aquifer in the Camargue plain, France. <i>Comptes Rendus - Geoscience</i> , 2013, 345, 241-250.	1.2	8
31	A QGIS Plugin Based on the PaPRIKa Method for Karst Aquifer Vulnerability Mapping. <i>Ground Water</i> , 2019, 57, 201-204.	1.3	8
32	Feasibility and Limits of Electrical Resistivity Tomography to Monitor Water Infiltration Through Karst Medium During a Rainy Event. , 2015, , 45-55.		7
33	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
34	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
35	Assessing soil water content spatio-temporal variability at the hillslope scale in a headwater catchment using a multi variable interpolation model based on EMI surveys (Draix, South Alps). <i>Tj ETQq1 1 0.7843 147rgBT /Overlock 10</i>		
36	Enhanced Characterization of the Krania "Elassona Structure and Functioning Allogenic Karst Aquifer in Central Greece. <i>Geosciences (Switzerland)</i> , 2019, 9, 15.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Long-term groundwater resource observatory for Southwestern Madagascar. Hydrological Processes, 2021, 35, e14108.	2.6	4
38	Process-Based Vegetation Models Improve Karst Recharge Simulation Under Mediterranean Forest. Advances in Karst Science, 2017, , 109-116.	0.3	3
39	Sustainable groundwater resources exploration and management in a complex geological setting as part of a humanitarian project (Mahafaly Plateau, Madagascar). Environmental Earth Sciences, 2018, 77, 1.	2.7	3
40	Hydrogeophysical monitoring of intense rainfall infiltration in the karst critical zone: A unique electrical resistivity tomography data set. Data in Brief, 2022, 40, 107762.	1.0	3