Sergio Martos-Rosillo

List of Publications by Year
in descending order

32 papers	478 citations	687363 13 h-index	713466 21 g-index
33 all docs	33 docs citations	33 times ranked	656 citing authors

#	Article	IF	Citations
1	The Ecohydrological Approach in Water Sowing and Harvesting Systems: The Case of the Paltas Catacocha Ecohydrology Demonstration Site, Ecuador. Ecohydrology and Hydrobiology, 2021, 21, 454-466.	2.3	5
2	Constraints on the evolution of sulfuric acid speleogenesis within carbonate rocks partially covered by evaporites (Sierra de Mollina, southern Spain). Geomorphology, 2021, 390, 107866.	2.6	3
3	The oldest managed aquifer recharge system in Europe: New insights from the Espino recharge channel (Sierra Nevada, southern Spain). Journal of Hydrology, 2019, 578, 124047.	5.4	30
4	Contribution of isotopic research techniques to characterize high-mountain-Mediterranean karst aquifers: The Port del Comte (Eastern Pyrenees) aquifer. Science of the Total Environment, 2019, 656, 209-230.	8.0	14
5	Epikarst mapping by remote sensing. Catena, 2018, 165, 1-11.	5.0	16
6	Combination of lumped hydrological and remote-sensing models to evaluate water resources in a semi-arid high altitude ungauged watershed of Sierra Nevada (Southern Spain). Science of the Total Environment, 2018, 625, 285-300.	8.0	41
7	SAR interferometry monitoring of subsidence in a detritic basin related to water depletion in the underlying confined carbonate aquifer (Torremolinos, southern Spain). Science of the Total Environment, 2018, 636, 670-687.	8.0	13
8	SlugIn 1.0: A Free Tool for Automated Slug Test Analysis. Ground Water, 2018, 56, 362-365.	1.3	3
9	Monitoring continuous subsidence in the Costa del Sol (Málaga province, southern Spanish coast) using ERS-1/2, Envisat, and Sentinel-1A/B SAR interferometry. Procedia Computer Science, 2018, 138, 354-361.	2.0	7
10	Factors determining subsidence in urbanized floodplains: evidence from MT‐InSAR in Seville (southern) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	6
11	Groundwater discharge in high-mountain watersheds: A valuable resource for downstream semi-arid zones. The case of the Bérchules River in Sierra Nevada (Southern Spain). Science of the Total Environment, 2017, 593-594, 760-772.	8.0	32
12	Concurrent temporal stability of the apparent electrical conductivity and soil water content. Journal of Hydrology, 2017, 544, 319-326.	5.4	23
13	Unravelling aquifer-wetland interaction using CSAMT and gravity methods: the Mollina-Camorra aquifer and the Fuente de Piedra playa -lake, southern Spain. Journal of Applied Geophysics, 2016, 129, 17-27.	2.1	12
14	Vertical variation in the amplitude of the seasonal isotopic content of rainfall as a tool to jointly estimate the groundwater recharge zone and transit times in the Ordesa and Monte Perdido National Park aquifer system, north-eastern Spain. Science of the Total Environment, 2016, 573, 505-517.	8.0	27
15	Hydrogeological behaviour of the Fuente-de-Piedra playa lake and tectonic origin of its basin (Malaga,) Tj ETQq1 1 0.784314 rgBT /Ov	5.4	9
16	Correlation of the seasonal isotopic amplitude of precipitation with annual evaporation and altitude in alpine regions. Science of the Total Environment, 2016, 550, 27-37.	8.0	13
17	Multi-temporal InSAR evidence of ground subsidence induced by groundwater withdrawal: the Montellano aquifer (SW Spain). Environmental Earth Sciences, 2016, 75, 1.	2.7	15
18	Karst massif susceptibility from rock matrix, fracture and conduit porosities: a case study of the Sierra de las Nieves (Málaga, Spain). Environmental Earth Sciences, 2015, 74, 7583-7592.	2.7	12

#	Article	IF	Citations
19	Structural controls on karstic conduits in a collisional orogen (Sierra de las Nieves, Betic)	2.6	8
20	Hydrochemical changes due to intensive use of groundwater in the carbonate aquifers of Sierra de Estepa (Seville, Southern Spain). Journal of Hydrology, 2015, 528, 249-263.	5.4	16
21	Ratosa playa lake in southern Spain. Karst pan or compound sink?. Environmental Monitoring and Assessment, 2015, 187, 175.	2.7	6
22	Comparison of Recharge Estimation Methods During a Wet Period in a Karst Aquifer. Ground Water, 2015, 53, 885-895.	1.3	11
23	Methodology to evaluate the renewal period of carbonate aquifers: a key tool for their management in arid and semiarid regions, with the example of Becerrero aquifer, Spain. Hydrogeology Journal, 2014, 22, 679-689.	2.1	11
24	Groundwater recharge in semi-arid carbonate aquifers under intensive use: the Estepa Range aquifers (Seville, southern Spain). Environmental Earth Sciences, 2013, 70, 2453-2468.	2.7	22
25	Hydrogeological research on intensively exploited deep aquifers in the 'Loma de Úbeda' area (Jaén,)	2.1	7
26	Combined microgravity, electrical resistivity tomography and induced polarization to detect deeply buried caves: Algaidilla cave (Southern Spain). Engineering Geology, 2013, 162, 67-78.	6.3	55
27	Curved fold–and–thrust accretion during the extrusion of a synorogenic viscous allochthonous sheet: The Estepa Range (External Zones, Western Betic Cordillera, Spain). Tectonics, 2012, 31, .	2.8	20
28	The Social Sustainable Aquifer Yield: An Indicator for the Analysis and Assessment of the Integrated Aquifers Management. Water Resources Management, 2012, 26, 2951-2971.	3.9	13
29	Changes in water level, land use, and hydrological budget in a semi-permanent playa lake, Southwest Spain. Environmental Monitoring and Assessment, 2012, 184, 797-810.	2.7	13
30	Analysis of groundwater mining in two carbonate aquifers in Sierra de Estepa (SE Spain) based on hydrodynamic and hydrochemical data. Hydrogeology Journal, 2009, 17, 1617-1627.	2.1	13
31	Use of canopy coefficients obtained from satellite data to estimate evapotranspiration over high mountain Mediterranean watersheds. Proceedings of the International Association of Hydrological Sciences, 0, 380, 23-28.	1.0	2
32	MONITORING CRITICAL INFRASTRUCTURE EXPOSED TO ANTHROPOGENIC AND NATURAL HAZARDS USING SATELLITE RADAR INTERFEROMETRY. , 0, , .		0