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List of Publications by Year in descending order

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33
papers

753
citations

471509

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33
docs citations

33
times ranked

869
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of trenching, ground penetrating radar (GPR) and electrical resistivity tomography (ERT) for sinkhole characterization. Earth Surface Processes and Landforms, 2014, 39, 214-227.	2.5	81
2	Sinkhole investigation in an urban area by trenching in combination with GPR, ERT and high-precision leveling. Mantled evaporite karst of Zaragoza city, NE Spain. Engineering Geology, 2017, 231, 9-20.	6.3	59
3	Differentiating between gravitational and tectonic faults by means of geomorphological mapping, trenching and geophysical surveys. The case of the Zenzano Fault (Iberian Chain, N Spain). Geomorphology, 2013, 189, 93-108.	2.6	53
4	Investigating a damaging buried sinkhole cluster in an urban area (Zaragoza city, NE Spain) integrating multiple techniques: Geomorphological surveys, DInSAR, DEMs, GPR, ERT, and trenching. Geomorphology, 2015, 229, 3-16.	2.6	53
5	Late Holocene episodic displacement on fault scarps related to interstratal dissolution of evaporites (Teruel Neogene Graben, NE Spain). Journal of Structural Geology, 2012, 34, 2-19.	2.3	46
6	Large landslides associated with a diapiric fold in Canelles Reservoir (Spanish Pyrenees): Detailed geological-geomorphological mapping, trenching and electrical resistivity imaging. Geomorphology, 2015, 241, 224-242.	2.6	46
7	Application of electrical resistivity imaging (ERI) to a tailings dam project for artisanal and small-scale gold mining in Zaruma-Portovelo, Ecuador. Journal of Applied Geophysics, 2015, 113, 103-113.	2.1	40
8	The impact of droughts and climate change on sinkhole occurrence. A case study from the evaporite karst of the Fluvia Valley, NE Spain. Science of the Total Environment, 2017, 579, 345-358.	8.0	37
9	Characterization of radon levels in soil and groundwater in the North Maladeta Fault area (Central) Environmental Radioactivity, 2018, 189, 1-13.	1.7	33
10	Sinkholes and caves related to evaporite dissolution in a stratigraphically and structurally complex setting, Fluvia Valley, eastern Spanish Pyrenees. Geological, geomorphological and environmental implications. Geomorphology, 2016, 267, 76-97.	2.6	29
11	Identifying the boundaries of sinkholes and subsidence areas via trenching and establishing setback distances. Engineering Geology, 2018, 233, 255-268.	6.3	27
12	Reconstructing the internal structure and long-term evolution of hazardous sinkholes combining trenching, electrical resistivity imaging (ERI) and ground penetrating radar (GPR). Geomorphology, 2017, 285, 287-304.	2.6	26
13	Late Holocene evolution of playa lakes in the central Ebro depression based on geophysical surveys and morpho-stratigraphic analysis of lacustrine terraces. Geomorphology, 2013, 196, 177-197.	2.6	23
14	Origin and evolution of tufa mounds related to artesian karstic springs in Isona area (Pyrenees, NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	21
15	The application of GPR and ERI in combination with exposure logging and retrodeformation analysis to characterize sinkholes and reconstruct their impact on fluvial sedimentation. Earth Surface Processes and Landforms, 2017, 42, 1049-1064.	2.5	21
16	Delineating coastal groundwater discharge processes in a wetland area by means of electrical resistivity imaging, ²²⁴ Ra and ²²² Rn. Hydrological Processes, 2014, 28, 2382-2395.	2.6	19
17	Subsurface initiation of tafoni in granite terrains " Geophysical evidence from NE Spain: Geomorphological implications. Geomorphology, 2013, 196, 94-105.	2.6	18
18	Anticipating the effects of groundwater withdrawal on seawater intrusion and soil settlement in urban coastal areas. Hydrological Processes, 2013, 27, 2352-2366.	2.6	17

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19	Sinkholes in hypogene versus epigene karst systems, illustrated with the hypogene gypsum karst of the Sant Miquel de Campmajor Valley, NE Spain. <i>Geomorphology</i> , 2019, 328, 57-78.	2.6	15
20	Morpho-stratigraphic characterization of a tufa mound complex in the Spanish Pyrenees using ground penetrating radar and trenching, implications for studies in Mars. <i>Earth and Planetary Science Letters</i> , 2014, 388, 197-210.	4.4	12
21	Sedimentological and palaeohydrological characterization of Late Pleistocene and Holocene tufa mound palaeolakes using trenching methods in the Spanish Pyrenees. <i>Sedimentology</i> , 2016, 63, 1786-1819.	3.1	12
22	Paleoflood records from sinkholes using an example from the Ebro River floodplain, northeastern Spain. <i>Quaternary Research</i> , 2017, 88, 71-88.	1.7	10
23	Chronology and paleoenvironmental interpretation of talus flatiron sequences in a sub-humid mountainous area: Tremp Depression, Spanish Pyrenees. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1513-1522.	2.5	9
24	Natural acid rock drainage in alpine catchments: A side effect of climate warming. <i>Science of the Total Environment</i> , 2021, 778, 146070.	8.0	9
25	Origin and evolution of Sariñena Lake (central Ebro Basin): A piping-based model. <i>Geomorphology</i> , 2017, 290, 164-183.	2.6	8
26	Subsidence mechanisms and sedimentation in alluvial sinkholes inferred from trenching and ground penetrating radar (GPR). Implications for subsidence and flooding hazard assessment. <i>Quaternary International</i> , 2019, 525, 1-15.	1.5	7
27	Neotectonics and late Holocene paleoseismic evidence in the Plio-Quaternary Daroca Half-graben, Iberian Chain, NE Spain. Implications for fault source characterization. <i>Journal of Structural Geology</i> , 2020, 131, 103933.	2.3	7
28	The chert from the Castelltallat Formation (south-central Pyrenees): archaeometric characterisation and archaeological implications. <i>Archaeological and Anthropological Sciences</i> , 2018, 10, 1329-1346.	1.8	7
29	Granite caves in the north-east of the Iberian Peninsula: Artificial hypogea versus tafoni. <i>Zeitschrift für Geomorphologie</i> , 2011, 55, 341-364.	0.8	5
30	The episodic rise, net growing rate and kinematics of radial faults of the Salinas de Oro diapir using paleoseismological techniques (NE Spain). Salt upwelling versus karstic subsidence. <i>Geomorphology</i> , 2019, 342, 210-222.	2.6	2
31	Geochronology and palaeoclimatic context of submerged siliciclastic beachrock formation in the western Mediterranean Sea. <i>Scientia Marina</i> , 2021, 85, 225-244.	0.6	1
32	Reply to the discussion by Pinyol et al. (2016) on Gutiérrez et al. (2015) "Large landslides associated with a diapiric fold in Canelles Reservoir (Spanish Pyrenees): Detailed geological and geomorphological mapping, trenching and electrical resistivity imaging". <i>Geomorphology</i> , 2016, 263, 175-178.	2.6	0
33	The Olot Volcanic Field. <i>World Geomorphological Landscapes</i> , 2014, , 249-256.	0.3	0