Cocencepcion Pla

List of Publications by Year
in descending order

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33 papers	577 citations	623188 14 h-index	642321 23 g-index
37 all docs	37 docs citations	37 times ranked	608 citing authors

#	Article	IF	Citations
1	Impact of land use changes on flash flood prediction using a sub-daily SWAT model in five Mediterranean ungauged watersheds (SE Spain). Science of the Total Environment, 2019, 657, 1578-1591.	3.9	97
2	Predicting water permeability in sedimentary rocks from capillary imbibition and pore structure. Engineering Geology, 2015, 195, 301-311.	2.9	63
3	Subterranean atmospheres may act as daily methane sinks. Nature Communications, 2015, 6, 7003.	5.8	42
4	Ultrasonic pulse velocity as a way of improving uniaxial compressive strength estimations from Leeb hardness measurements. Construction and Building Materials, 2020, 261, 119996.	3.2	41
5	Role of soil pore structure in water infiltration and CO2 exchange between the atmosphere and underground air in the vadose zone: A combined laboratory and field approach. Catena, 2017, 149, 402-416.	2.2	36
6	Influence of Wooden Sawdust Treatments on Cu(II) and Zn(II) Removal from Water. Materials, 2020, 13, 3575.	1.3	24
7	Changes in the CO2 dynamics in near-surface cavities under a future warming scenario: Factors and evidence from the field and experimental findings. Science of the Total Environment, 2016, 565, 1151-1164.	3.9	22
8	Statistical and experimental study for determining the influence of the segregation phenomenon on physical and mechanical properties of lightweight concrete. Construction and Building Materials, 2020, 238, 117642.	3.2	22
9	Effect of pore structure and moisture content on gas diffusion and permeability in porous building stones. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	17
10	Changes in the storage and sink of carbon dioxide in subsurface atmospheres controlled by climate-driven processes: the case of the Ojo GuareÃ±a karst system. Environmental Earth Sciences, 2015, 74, 7715-7730.	1.3	16
11	Abiotic and seasonal control of soil-produced CO2 efflux in karstic ecosystems located in Oceanic and Mediterranean climates. Atmospheric Environment, 2017, 164, 31-49.	1.9	16
12	Influence of microstructure on fluid transport and mechanical properties in structural concrete produced with lightweight clay aggregates. Construction and Building Materials, 2018, 171, 388-396.	3.2	16
13	Estimation of soil gas permeability for assessing radon risk using Rosetta pedotransfer function based on soil texture and water content. Journal of Environmental Radioactivity, 2019, 208-209, 105992.	0.9	16
14	Comparative analysis of water condensate porosity using mercury intrusion porosimetry and nitrogen and water adsorption techniques in porous building stones. Construction and Building Materials, 2021, 288, 123131.	3.2	16
15	EnvironmentalWaveletTool: Continuous and discrete wavelet analysis and filtering for environmental time series. Computer Physics Communications, 2014, 185, 2758-2770.	3.0	15
16	Climate change impact on karstic aquifer hydrodynamics in southern Europe semi-arid region using the KAGIS model. Science of the Total Environment, 2020, 723, 138110.	3.9	13
17	Assessment of CO2 dynamics in subsurface atmospheres using the wavelet approach: from cavityâ€“atmosphere exchange to anthropogenic impacts in Rull cave (Vall dâ€²Ebo, Spain). Environmental Earth Sciences, 2016, 75, 1.	1.3	11
18	Automatic detection and characterisation of the first P- and S-wave pulse in rocks using ultrasonic transmission method. Engineering Geology, 2020, 266, 105474.	2.9	11

#	Article	IF	Citations
19	A comparison of experimental methods for measuring water permeability of porous building rocks. Materiales De Construccion, 2014, 64, e028.	0.2	11
20	Insights on Climate-Driven Fluctuations of Cave ²²²Rn and CO₂ Concentrations Using Statistical and Wavelet Analyses. Geofluids, 2020, 2020, 1-17.	0.3	10
21	Effectiveness of two lightweight aggregates for the removal of heavy metals from contaminated urban stormwater. Journal of Contaminant Hydrology, 2021, 239, 103778.	1.6	8
22	Estimation of uniaxial compressive strength and intrinsic permeability from ultrasounds in sedimentary stones used as heritage building materials. Journal of Cultural Heritage, 2022, 55, 346-355.	1.5	8
23	Validating the KAGIS blackâ€box GISâ€based model in a Mediterranean karst aquifer: Case of study of Mela aquifer (SE Spain). Hydrological Processes, 2018, 32, 2584-2596.	1.1	7
24	Remediation by waste marble powder and lime of jarosite-rich sediments from Portman Bay (Spain). Environmental Pollution, 2020, 264, 114786.	3.7	7
25	How Critical Is the Assimilation Frequency of Water Content Measurements for Obtaining Soil Hydraulic Parameters with Data Assimilation?. Vadose Zone Journal, 2019, 18, 1-10.	1.3	5
26	Geogymkhana-Alicante (Spain): Geoheritage Through Education. Geoheritage, 2020, 12, 1.	1.5	5
27	Estimation of the Radon Risk Under Different European Climates and Soil Textures. Frontiers in Public Health, 2022, 10, 794557.	1.3	5
28	Stakeholdersâ€™ Perspective on Groundwater Management in Four Water-Stressed Mediterranean Areas: Priorities and Challenges. Land, 2022, 11, 738.	1.2	5
29	Predicting Daily Water Table Fluctuations in Karstic Aquifers from GIS-Based Modelling, Climatic Settings and Extraction Wells. Water Resources Management, 2016, 30, 2531-2545.	1.9	4
30	Definition of Microclimatic Conditions in a Karst Cavity: Rull Cave (Alicante, Spain). , 2015, , 497-503.		4
31	Recovery of Polluted Urban Stormwater Containing Heavy Metals: Laboratory-Based Experiments with Arlita and Filtralite. Water (Switzerland), 2021, 13, 780.	1.2	3
32	Response to ENGEO7253 Discussion of: â€œPredicting water permeability in sedimentary rocks from capillary imbibition and pore structureâ€• by D. Benavente et al., Engineering Geology (2015) [doi: 10.1016/j.enggeo.2015.06.003]. Engineering Geology, 2016, 204, 123-125.	2.9	1
33	KarsTS: an R package for microclimate time series analysis. Earth Science Informatics, 2019, 12, 685-697.	1.6	0