

MarÃ-a JesÃºs Turrero

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Bentonite Powder XRD Quantitative Analysis Using Rietveld Refinement: Revisiting and Updating Bulk Semiquantitative Mineralogical Compositions. <i>Minerals</i> (Basel, Switzerland), 2022, 12, 772.	2.0	10
2	Strong links between Saharan dust fluxes, monsoon strength, and North Atlantic climate during the last 5000 years. <i>Science Advances</i> , 2021, 7, .	10.3	15
3	Concrete perturbation in a 13-year in situ concrete/bentonite interaction from FEBEX experiments. New insight of 2:1ÅMg phyllosilicate precipitation at the interface. <i>Applied Geochemistry</i> , 2020, 118, 104624.	3.0	4
4	Stable isotopes applied to the study of the concrete/bentonite interaction in the FEBEX in situ test. <i>Applied Geochemistry</i> , 2019, 100, 432-443.	3.0	6
5	Geochemical conditions for the formation of Mg silicates phases in bentonite and implications for radioactive waste disposal. <i>Applied Geochemistry</i> , 2018, 93, 1-9.	3.0	13
6	Authigenic Clay Minerals from Interface Reactions of Concrete-Clay Engineered Barriers: A New Perspective on Mg-Clays Formation in Alkaline Environments. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 362.	2.0	13
7	Coupled THCM model of a heating and hydration concrete-bentonite column test. <i>Applied Geochemistry</i> , 2018, 94, 67-81.	3.0	13
8	Speleothem Architectural Analysis: Integrated approach for stalagmite-based paleoclimate research. <i>Sedimentary Geology</i> , 2017, 353, 28-45.	2.1	28
9	Interaction processes at the concrete-bentonite interface after 13 years of FEBEX-Plug operation. Part I: Concrete alteration. <i>Physics and Chemistry of the Earth</i> , 2017, 99, 38-48.	2.9	22
10	Evaluation of the Efficiency of a Clay Permeable Reactive Barrier for the Remediation of Groundwater Contaminated with 137Cs. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 444-447.	0.6	5
11	FEBEX In-Situ Test: Preliminary Results of the Geochemical Characterization of the Metal/Bentonite Interface. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 802-805.	0.6	5
12	Interaction processes at the concrete-bentonite interface after 13 years of FEBEX-Plug operation. Part II: Bentonite contact. <i>Physics and Chemistry of the Earth</i> , 2017, 99, 49-63.	2.9	37
13	Lime mortar-compacted bentonite–magnetite interfaces: An experimental study focused on the understanding of the EBS long-term performance for high-level nuclear waste isolation DGR concept. <i>Applied Clay Science</i> , 2016, 124-125, 79-93.	5.2	20
14	Comparison of speleothem fabrics and microstratigraphic stacking patterns in calcite stalagmites as indicators of paleoenvironmental change. <i>Quaternary International</i> , 2016, 407, 74-85.	1.5	23
15	Variations in Trace Elements of Drip Waters in Kaite Cave (N Spain): Significance in Terms of Present and Past Processes in the Karst System. , 2015, , 579-587.		2
16	Long-term hydrological changes in northern Iberia (4.9±0.9 ky BP) from speleothem Mg/Ca ratios and cave monitoring (Ojo Guareña Karst Complex, Spain). <i>Environmental Earth Sciences</i> , 2015, 74, 7741-7753.	2.7	15
17	Trace Elements in Speleothems as Indicators of Past Climate and Karst Hydrochemistry: A Case Study from Kaite Cave (N Spain). , 2015, , 569-577.		2
18	Chemical Characteristics of Acid Mine Drainage from an As-W Mineralized Zone in Western Spain. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 284-287.	0.6	2

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19	Reply to Comment by Domínguez-Villar on "Land surface temperature changes in Northern Iberia since 4000yr BP, based in $\delta^{13}C$ of speleothems" (Martín-Chivelet et al., 2011). Global and Planetary Change, 2013, 101, 129-130.	3.5	0
20	Land surface temperature changes in Northern Iberia since 4000yrBP, based on $\delta^{13}C$ of speleothems. Global and Planetary Change, 2011, 77, 1-12.	3.5	122
21	The vaterite saturation index can be used as a proxy of the S&DSI in sea water desalination by reverse osmosis process. Desalination, 2010, 254, 75-79.	8.2	21
22	Modelling of bentonite "granite solutes transfer from an in situ full-scale experiment to simulate a deep geological repository (Grimsel Test Site, Switzerland). Applied Geochemistry, 2010, 25, 1797-1804.	3.0	11
23	Mineralogical Control of the REE Distribution in the Fracture Fillings of an Uranium-Ore (Caceres-Spain). Materials Research Society Symposia Proceedings, 2009, 1193, .	0.1	0
24	Kinetic modelling of the attenuation of carbon steel canister corrosion due to diffusive transport through corrosion product layers. Corrosion Science, 2008, 50, 2197-2204.	6.6	17
25	Changes on the Mineralogical and Physical Properties of FEBEX Bentonite Due to Its Contact With Hyperalkaline Pore Fluids in Infiltration Tests. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	2
26	Evolution of the Geochemical Conditions in the Bentonite Barrier and its Influence on the Corrosion of the Carbon Steel Canister. , 2008, , .		1
27	Temporal Evolution of the Concrete-Bentonite System under Repository Conditions. , 2008, , .		0
28	On site measurements of the redox and carbonate system parameters in the low-permeability Opalinus Clay formation at the Mont Terri Rock Laboratory. Physics and Chemistry of the Earth, 2007, 32, 181-195.	2.9	17
29	Processes controlling pollution in a stream affected by mine drainages (Spain). , 2007, , .		0
30	Geochemical evolution of drip-water and present-growing calcite at Kaite cave (N Spain). , 2007, , .		0
31	Geochemical gradients at the near-far field interface at the FEBEX experimental gallery (Grimsel Test) Tj ETQq1 1 0.784314 rgBT /Overlo		
32	Chemical characteristics of the waters of a uranium mineralized zone in NW Spain. , 2007, , .		0
33	Visualization of elastic strain fields by the spatial distribution of the blue luminescence in a twinned microcline crystal. Physics and Chemistry of Minerals, 2006, 33, 639-650.	0.8	11
34	Modeling of geochemical processes related to uranium mobilization in the groundwater of a uranium mine. Science of the Total Environment, 2006, 366, 295-309.	8.0	71
35	Geochemical Processes at the Carbon steel/bentonite Interface in Repository Conditions. Materials Research Society Symposia Proceedings, 2006, 985, 1.	0.1	0
36	Chemical Equilibrium of the Dissolved Uranium in Groundwaters From a Spanish Uranium-ore Deposit. Materials Research Society Symposia Proceedings, 2006, 985, 1.	0.1	0

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37	Generation and stability of bentonite colloids at the bentonite/granite interface of a deep geological radioactive waste repository. Journal of Contaminant Hydrology, 2003, 61, 17-31.	3.3	89
38	Study of the pore water chemistry through an argillaceous formation: a paleohydrochemical approach. Applied Geochemistry, 2003, 18, 55-73.	3.0	30
39	The geochemical aspects of toxic waters retained in the Entremuros area (Spain). Science of the Total Environment, 1999, 242, 27-40.	8.0	17
40	The impact of the Aznalc��llar mine tailing spill on groundwater. Science of the Total Environment, 1999, 242, 189-209.	8.0	46
41	Generation and Characterisation of Colloids of the Near Field / far Field Interface. Materials Research Society Symposia Proceedings, 1999, 556, 647.	0.1	12
42	Diagenetic processes influencing porosity in sandstones from the Triassic Buntsandstein of the Iberian Range, Spain. Sedimentary Geology, 1996, 105, 203-219.	2.1	16
43	Relation between colloid composition and the environment of their formation: application to the El Berrocal site (Spain). Applied Geochemistry, 1995, 10, 119-131.	3.0	4