

Ignasi Puigdomenech

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,920
citations

471509

17
h-index

345221

36
g-index

44
all docs

44
docs citations

44
times ranked

2456
citing authors

#	ARTICLE	IF	CITATIONS
1	Speciation of copper in high chloride concentrations, in the context of corrosion of copper canisters. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 293-299.	1.5	8
2	Modeling microbial sulfate reduction and the consequences for corrosion of copper canisters. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 339-347.	1.5	12
3	Methodology for Hydrogeochemical Sampling to Characterise Groundwaters in Crystalline Bedrock: Developments Made within the Swedish Radwaste Programme. <i>Geofluids</i> , 2020, 2020, 1-13.	0.7	4
4	Groundwater age dating in fractured rock using ^{41}Ar data. <i>Journal of Hydrology X</i> , 2019, 4, 100036.	1.6	8
5	Chemical weathering in a moraine at the ice sheet margin at Kangerlussuaq, western Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2019, 51, 440-459.	1.1	11
6	Transport of oxygen into granitic rocks: Role of physical and mineralogical heterogeneity. <i>Journal of Contaminant Hydrology</i> , 2019, 220, 108-118.	3.3	7
7	Comment on "Application of Analytical Diffusion Models to Outcrop Observations: Implications for Mass Transport by Fluid Flow Through Fractures" by Antonellini et al. (2017). <i>Water Resources Research</i> , 2018, 54, 9702-9705.	4.2	1
8	Simulating Oxygen Intrusion into Highly Heterogeneous Fractured Media Using High Performance Computing. <i>Mathematical Geosciences</i> , 2018, 50, 549-567.	2.4	3
9	Continuum-based DFN-consistent numerical framework for the simulation of oxygen infiltration into fractured crystalline rocks. <i>Journal of Contaminant Hydrology</i> , 2017, 200, 60-69.	3.3	15
10	The Occurrences of $\text{Ca}_2\text{UO}_2(\text{CO}_3)_3$ Complex in Fe(II) Containing Deep Groundwater at Forsmark, Eastern Sweden. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 440-443.	0.6	21
11	Implications of Grain-Scale Mineralogical Heterogeneity for Radionuclide Transport in Fractured Media. <i>Transport in Porous Media</i> , 2017, 116, 73-90.	2.6	14
12	Comment on "Nanometer-Scale Corrosion of Copper in De-Aerated Deionized Water" [J. Electrochem. Soc., 161, C107 (2014)]. <i>Journal of the Electrochemical Society</i> , 2016, 163, Y3-Y4.	2.9	5
13	A tool to draw chemical equilibrium diagrams using SIT: Applications to geochemical systems and radionuclide solubility. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1665, 111-116.	0.1	25
14	Round Robin Test for Defining an Accurate Protocol to Measure the Pore Fluid pH of Low-pH Cementitious Materials. , 2013, , 251-259.		4
15	Thermodynamic data of compounds and complexes of U, Np, Pu and Am with selected organic ligands. <i>Comptes Rendus Chimie</i> , 2007, 10, 948-958.	0.5	26
16	Coupling Hydrological and Geochemical Simulations to Assess Spatial Heterogeneity and Chemical Evolution of Groundwaters at Two Candidate Repository Sites in Sweden. <i>Materials Research Society Symposia Proceedings</i> , 2006, 985, 1.	0.1	0
17	The OECD/NEA TDB review of selected organic ligands. <i>Radiochimica Acta</i> , 2005, 93, 719-725.	1.2	12
18	The kinetics of $\text{O}_2(\text{aq})$ reduction by structural ferrous iron in naturally occurring ferrous silicate minerals. <i>Applied Geochemistry</i> , 2005, 20, 2003-2016.	3.0	13

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19	Reduction of UO ₂ ²⁺ by H ₂ . Journal of Nuclear Materials, 2004, 334, 35-39.	2.7	27
20	Hyperalkaline Cement Leachate-Rock Interaction and Radionuclide Transport in a Fractured Host Rock (HPF Project). Materials Research Society Symposia Proceedings, 2003, 807, 451.	0.1	1
21	Redox properties of MX-80 and Montigel bentonite-water systems. Materials Research Society Symposia Proceedings, 2002, 757, II8.1.1.	0.1	0
22	The effect of pH on chlorite dissolution rates at 25°C. Materials Research Society Symposia Proceedings, 2002, 757, II8.16.1.	0.1	7
23	Protecting the redox stability of a deep repository: concepts, results and experience from the Åspö hard rock laboratory. Geological Society Special Publication, 1999, 157, 85-99.	1.3	2
24	Pourbaix Diagrams for the Ternary System of Iron-Chromium-Nickel. Corrosion, 1999, 55, 1077-1087.	1.1	143
25	Revised Pourbaix Diagrams for Copper at 25 to 300°C. Journal of the Electrochemical Society, 1997, 144, 3476-3483.	2.9	257
26	Revised Pourbaix diagrams for nickel at 25–300 °C. Corrosion Science, 1997, 39, 969-980.	6.6	276
27	Revised pourbaix diagrams for chromium at 25–300 °C. Corrosion Science, 1997, 39, 43-57.	6.6	185
28	Revised pourbaix diagrams for zinc at 25–300 °C. Corrosion Science, 1997, 39, 107-114.	6.6	161
29	Revised pourbaix diagrams for iron at 25–300 °C. Corrosion Science, 1996, 38, 2121-2135.	6.6	382
30	Corrections to the Uranium NEA-TDB review. Chemical Thermodynamics, 1995, 2, 347-374.	0.0	2
31	Ground water chemistry and geochemical modeling of water-rock interactions at the Osamu Utsumi mine and the Morro do Ferro analogue study sites, Poços de Caldas, Minas Gerais, Brazil. Journal of Geochemical Exploration, 1992, 45, 249-287.	3.2	48
32	The kinetics of dissolution of UO ₂ under reducing conditions and the influence of an oxidized surface layer (UO ₂ +x): Application of a continuous flow-through reactor. Geochimica Et Cosmochimica Acta, 1991, 55, 647-658.	3.9	116
33	The Kinetics of Dissolution of UO ₂ (s) under Reducing Conditions. Radiochimica Acta, 1988, 44-45, 11-16.	1.2	22
34	Validation of the SKBU1 Uranium Thermodynamic Data Base for its use in Geochemical Calculations with EQ3/6. Materials Research Society Symposia Proceedings, 1988, 127, 887.	0.1	12
35	An unusual copper-uridine octamer: existence in solution and structural study in its auto-built zeolitic network in the solid state. Journal of the American Chemical Society, 1987, 109, 380-386.	13.7	29
36	A kinetic investigation of lanthanide(III) complex formation with picolinic acid. Inorganica Chimica Acta, 1987, 126, 131-135.	2.4	19

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37	The pulse radiolysis pH-jump in aqueous solutions: applications to lanthanide(III)-methyl red systems. <i>Inorganica Chimica Acta</i> , 1986, 121, 63-66.	2.4	4
38	On the hydration of the lutetium(III) ion in water acetone mixtures. A ^1H and ^{35}Cl NMR study. <i>Inorganica Chimica Acta</i> , 1985, 109, 111-116.	2.4	21
39	A Calorimetric Study of Copper(II) Chloride Complexes in Aqueous Solution.. <i>Acta Chemica Scandinavica</i> , 1982, 36a, 15-19.	0.7	17