

Jean-Charles Robinet

List of Publications by Year in descending order

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29
papers

629
citations

840776

11
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

680
citing authors

#	ARTICLE	IF	CITATIONS
1	Competitive Adsorption Processes at Clay Mineral Surfaces: A Coupled Experimental and Modeling Approach. ACS Earth and Space Chemistry, 2022, 6, 144-159.	2.7	11
2	Influence of Water Saturation Level on Electrical Double Layer Properties in a Clay Mineral Mesopore: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2022, 126, 647-654.	3.1	5
3	Nitrate and nitrite bacterial reduction at alkaline pH and high nitrate concentrations, comparison of acetate versus dihydrogen as electron donors. Journal of Environmental Management, 2021, 280, 111859.	7.8	16
4	Long-Term ¹³ C Uptake by ¹² C-Enriched Calcite. ACS Earth and Space Chemistry, 2021, 5, 998-1005.	2.7	7
5	STED nanoscopy " A novel way to image the pore space of geological materials. Journal of Microscopy, 2021, 283, 151-165.	1.8	1
6	Mobility of organic compounds in a soft clay-rich rock (T�goulines clay, France). Chemosphere, 2021, 275, 130048.	8.2	3
7	Organic matter oxidation of the T�goulines Clay formation, (Paris Basin, France): Spatial Heterogeneities. Applied Geochemistry, 2021, 134, 105093.	3.0	3
8	Influence of soil redox state on mercury sorption and reduction capacity. Science of the Total Environment, 2020, 707, 136069.	8.0	10
9	Nickel Retention on Callovo-Oxfordian Clay: Applicability of Existing Adsorption Models for Dilute Systems to Real Compact Rock. Environmental Science & Technology, 2020, 54, 12226-12234.	10.0	9
10	Nitrate and nitrite reduction activity of activated sludge microcosm in a highly alkaline environment with solid cementitious material. International Biodeterioration and Biodegradation, 2020, 151, 104971.	3.9	7
11	Origin of dissolved gas (CO ₂ , O ₂ , N ₂ , alkanes) in pore waters of a clay formation in the critical zone (T�goulines Clay, France). Applied Geochemistry, 2020, 116, 104573.	3.0	7
12	Influence of Polarizability on the Prediction of the Electrical Double Layer Structure in a Clay Mesopore: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2020, 124, 6221-6232.	3.1	17
13	Shale weathering: A lysimeter and modelling study for flow, transport, gas diffusion and reactivity assessment in the critical zone. Journal of Hydrology, 2020, 587, 124925.	5.4	11
14	Adaptation of neutrophilic Paracoccus denitrificans to denitrification at highly alkaline pH. Environmental Science and Pollution Research, 2020, 27, 22112-22119.	5.3	5
15	Influence of Hydrogen Electron Donor, Alkaline pH, and High Nitrate Concentrations on Microbial Denitrification: A Review. International Journal of Molecular Sciences, 2019, 20, 5163.	4.1	75
16	Smectite fraction assessment in complex natural clay rocks from interlayer water content determined by thermogravimetric and thermoporometry analysis. Journal of Colloid and Interface Science, 2019, 555, 157-165.	9.4	9
17	Nitrate and nitrite reduction at high pH in a cementitious environment by a microbial microcosm. International Biodeterioration and Biodegradation, 2018, 134, 93-102.	3.9	11
18	A Deep Alteration and Oxidation Profile in a Shallow Clay Aquitard: Example of the T�goulines Clay, East Paris Basin, France. Geofluids, 2018, 2018, 1-20.	0.7	12

#	ARTICLE	IF	CITATIONS
19	From experimental variability to the sorption related retention parameters necessary for performance assessment models for nuclear waste disposal systems: The example of Pb adsorption on clay minerals. <i>Applied Clay Science</i> , 2018, 163, 20-32.	5.2	16
20	Retention of arsenic, chromium and boron on an outcropping clay-rich rock formation (the TÄ©goulines) Tj ETQq0 0,0 rgBT /Overlock 10	8.0	26
21	Use of a continuous-flow bioreactor to evaluate nitrate reduction rate of <i>Halomonas desiderata</i> in cementitious environment relevant to nuclear waste deep repository. <i>Biochemical Engineering Journal</i> , 2017, 125, 161-170.	3.6	10
22	Sorption of radium onto early cretaceous clays (Gault and Plicatules Fm). Implications for a repository of low-level, long-lived radioactive waste. <i>Applied Geochemistry</i> , 2017, 86, 36-48.	3.0	6
23	Optimization of pore-network characterization of a compacted clay material by TEM and FIB/SEM imaging. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 116-128.	4.4	65
24	Hydrogen adsorption and diffusion in synthetic Na-montmorillonites at high pressures and temperature. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2698-2709.	7.1	38
25	Hydrogen uptake and diffusion in Callovo-Oxfordian clay rock for nuclear waste disposal technology. <i>Applied Geochemistry</i> , 2014, 49, 168-177.	3.0	48
26	Dielectric relaxation behavior of Callovoâ€Oxfordian clay rock: A hydraulicâ€mechanicalâ€electromagnetic coupling approach. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4729-4744.	3.4	42
27	Effects of mineral distribution at mesoscopic scale on solute diffusion in a clayâ€rich rock: Example of the Callovoâ€Oxfordian mudstone (Bure, France). <i>Water Resources Research</i> , 2012, 48, .	4.2	137
28	The Effect of Rock Matrix Heterogeneities Near Fracture Walls on the Residence Time Distribution (RTD) of Solutes. <i>Transport in Porous Media</i> , 2008, 72, 393-408.	2.6	20
29	Impact of Microstructure on Anion Exclusion in Compacted Clay Media. , 0, , 137-149.		2