

# Linda Luquot

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,669  
citations

172457

29  
h-index

197818

49  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2319  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multidisciplinary approach to characterizing coastal alluvial aquifers to improve understanding of seawater intrusion and submarine groundwater discharge. <i>Journal of Hydrology</i> , 2022, 607, 127510.	5.4	19
2	Identification and quantification of chemical reactions in a coastal aquifer to assess submarine groundwater discharge composition. <i>Science of the Total Environment</i> , 2022, 838, 155978.	8.0	5
3	Interpreting Self-Potential Signal during Reactive Transport: Application to Calcite Dissolution and Precipitation. <i>Water (Switzerland)</i> , 2022, 14, 1632.	2.7	4
4	Modeling of microbial kinetics and mass transfer in bioreactors simulating the natural attenuation of arsenic and iron in acid mine drainage. <i>Journal of Hazardous Materials</i> , 2021, 405, 124133.	12.4	9
5	Importance of Microstructure in Carbonate Rocks: Laboratory and 3D-Imaging Petrophysical Characterization. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3784.	2.5	7
6	Dynamic Pore-Scale Dissolution by CO <sub>2</sub> -Saturated Brine in Carbonates: Impact of Homogeneous Versus Fractured Versus Vuggy Pore Structure. <i>Water Resources Research</i> , 2020, 56, e2019WR026112.	4.2	114
7	Time-lapse cross-hole electrical resistivity tomography (CHERT) for monitoring seawater intrusion dynamics in a Mediterranean aquifer. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2121-2139.	4.9	45
8	Formation damage evaluation of a sandstone reservoir via pore-scale X-ray computed tomography analysis. <i>Journal of Petroleum Science and Engineering</i> , 2019, 183, 106356.	4.2	55
9	Microscopic Determination of Remaining Oil Distribution in Sandstones With Different Permeability Scales Using Computed Tomography Scanning. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019, 141, .	2.3	79
10	Flow Simulation of Artificially Induced Microfractures Using Digital Rock and Lattice Boltzmann Methods. <i>Energies</i> , 2018, 11, 2145.	3.1	33
11	Laboratory Experiments. <i>Theory and Applications of Transport in Porous Media</i> , 2017, , 249-307.	0.4	0
12	Reactivity of a Marl Caprock in Contact with Acid Solutions under Different pCO <sub>2</sub> Conditions (Atmospheric, 10 and 37 Bar). <i>Procedia Earth and Planetary Science</i> , 2017, 17, 528-531.	0.6	1
13	Experimental and modeling study of the interaction between a crushed marl caprock and CO <sub>2</sub> -rich solutions under different pressure and temperature conditions. <i>Chemical Geology</i> , 2017, 448, 26-42.	3.3	24
14	The role of mineral heterogeneity on the hydrogeochemical response of two fractured reservoir rocks in contact with dissolved CO <sub>2</sub> . <i>Applied Geochemistry</i> , 2017, 84, 202-217.	3.0	26
15	Qualitative and Quantitative Changes of Carbonate Rocks Exposed to SC CO <sub>2</sub> (Basque-Cantabrian) Tj ETQq1 1 0.784314 rgBT <sub>10</sub> /Overl	2.5	10
16	Changes in Hydrodynamic, Structural and Geochemical Properties in Carbonate Rock Samples Due to Reactive Transport. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 885-888.	0.6	2
17	Calculating structural and geometrical parameters by laboratory measurements and X-ray microtomography: a comparative study applied to a limestone sample before and after a dissolution experiment. <i>Solid Earth</i> , 2016, 7, 441-456.	2.8	16
18	Core-scale electrical resistivity tomography (ERT) monitoring of CO <sub>2</sub> -brine mixture in Fontainebleau sandstone. <i>Journal of Applied Geophysics</i> , 2016, 130, 23-36.	2.1	14

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19	2D reactive transport modeling of the interaction between a marl and a CO <sub>2</sub> -rich sulfate solution under supercritical CO <sub>2</sub> conditions. <i>International Journal of Greenhouse Gas Control</i> , 2016, 54, 145-159.	4.6	17
20	Interaction between a fractured marl caprock and CO <sub>2</sub> -rich sulfate solution under supercritical CO <sub>2</sub> conditions. <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 105-119.	4.6	56
21	Simulation of chemical reaction localization using a multi-porosity reactive transport approach. <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 59-68.	4.6	19
22	Heletz experimental site overview, characterization and data analysis for CO <sub>2</sub> injection and geological storage. <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 3-23.	4.6	47
23	Efficiency of magnesium hydroxide as engineering seal in the geological sequestration of CO <sub>2</sub> . <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 171-185.	4.6	8
24	Time-lapse downhole electrical resistivity monitoring of subsurface CO <sub>2</sub> storage at the Maguelone shallow experimental site (Languedoc, France). <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 142-154.	4.6	14
25	CO <sub>2</sub> -rich brine percolation experiments through Heletz reservoir rock samples (Israel): Role of the flow rate and brine composition. <i>International Journal of Greenhouse Gas Control</i> , 2016, 48, 44-58.	4.6	33
26	Influence of the flow rate on dissolution and precipitation features during percolation of CO <sub>2</sub> -rich sulfate solutions through fractured limestone samples. <i>Chemical Geology</i> , 2015, 414, 95-108.	3.3	71
27	CO <sub>2</sub> geological storage in olivine rich basaltic aquifers: New insights from reactive-percolation experiments. <i>Applied Geochemistry</i> , 2015, 52, 174-190.	3.0	39
28	Changes in porosity, permeability, water retention curve and reactive surface area during carbonate rock dissolution. <i>Chemical Geology</i> , 2015, 403, 86-98.	3.3	52
29	Multi-scale X-ray tomography analysis of carbonate porosity. <i>Geological Society Special Publication</i> , 2015, 406, 61-79.	1.3	29
30	Diversity and geochemical structuring of bacterial communities along a salinity gradient in a carbonate aquifer subject to seawater intrusion. <i>FEMS Microbiology Ecology</i> , 2014, 90, 922-934.	2.7	38
31	Experimental Characterization of Porosity Structure and Transport Property Changes in Limestone Undergoing Different Dissolution Regimes. <i>Transport in Porous Media</i> , 2014, 101, 507-532.	2.6	117
32	Electrical and flow properties of highly heterogeneous carbonate rocks. <i>AAPG Bulletin</i> , 2014, 98, 49-66.	1.5	32
33	Rheological characterization of olivine slurries, sheared under CO <sub>2</sub> pressure. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 572-580.	2.3	5
34	Interaction between CO <sub>2</sub> -rich sulfate solutions and carbonate reservoir rocks from atmospheric to supercritical CO <sub>2</sub> conditions: Experiments and modeling. <i>Chemical Geology</i> , 2014, 383, 107-122.	3.3	45
35	Characterization of flow parameters and evidence of pore clogging during limestone dissolution experiments. <i>Water Resources Research</i> , 2014, 50, 6305-6321.	4.2	33
36	Pore system changes during experimental CO <sub>2</sub> injection into detritic rocks: Studies of potential storage rocks from some sedimentary basins of Spain. <i>International Journal of Greenhouse Gas Control</i> , 2013, 17, 411-422.	4.6	31

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37	Incipient hydration of mantle lithosphere at ridges: A reactive-percolation experiment. Earth and Planetary Science Letters, 2013, 371-372, 92-102.	4.4	50
38	Geochemical investigations of saltwater intrusion into the coastal carbonate aquifer of Mallorca, Spain. Applied Geochemistry, 2013, 39, 1-10.	3.0	32
39	Hydro-dynamically controlled alteration of fractured Portland cements flowed by CO <sub>2</sub> -rich brine. International Journal of Greenhouse Gas Control, 2013, 16, 167-179.	4.6	83
40	Characterization of the Mechanisms Controlling the Permeability Changes of Fractured Cements Flowed Through by CO <sub>2</sub> -Rich Brine. Environmental Science & Technology, 2013, 47, 10332-10338.	10.0	66
41	Laboratory-Scale Interaction between CO <sub>2</sub> -Rich Brine and Reservoir Rocks (Limestone and Sandstone). Procedia Earth and Planetary Science, 2013, 7, 109-112.	0.6	12
42	Permeability impairment of a limestone reservoir triggered by heterogeneous dissolution and particles migration during CO <sub>2</sub> -rich injection. Geophysical Research Letters, 2013, 40, 4614-4619.	4.0	50
43	A versatile indirect detector design for hard X-ray microimaging. Journal of Instrumentation, 2012, 7, P09016-P09016.	1.2	80
44	CO <sub>2</sub> percolation experiment through chlorite/zeolite-rich sandstone (Pretty Hill Formation " Otway) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.3	97
45	X-ray microtomography characterization of porosity, permeability and reactive surface changes during dissolution. Journal of Contaminant Hydrology, 2011, 120-121, 45-55.	3.3	146
46	Atomic modelling of crystal/complex fluid/crystal contacts"Part II. Simulating AFM tests via the GenMol code for investigating the impact of CO <sub>2</sub> storage on kaolinite/brine/kaolinite adhesion. Journal of Crystal Growth, 2010, 312, 3308-3315.	1.5	8
47	Experimental Study of Carbon Sequestration Reactions Controlled by the Percolation of CO <sub>2</sub> -Rich Brine through Peridotites. Environmental Science & Technology, 2009, 43, 1226-1231.	10.0	197
48	Changes in reactive surface area during limestone dissolution: An experimental and modelling study. Chemical Geology, 2009, 265, 160-170.	3.3	218
49	Experimental determination of porosity and permeability changes induced by injection of CO <sub>2</sub> into carbonate rocks. Chemical Geology, 2009, 265, 148-159.	3.3	405
50	Changes in seal capacity of fractured claystone caprocks induced by dissolved and gaseous CO <sub>2</sub> seepage. Geophysical Research Letters, 2008, 35, .	4.0	72