

Julie Lions

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

639
citations

840776

11
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

641
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical and solute transport modelling for CO ₂ storage, what to expect from it?. International Journal of Greenhouse Gas Control, 2008, 2, 605-625.	4.6	197
2	Modeling of CO ₂ Leakage up Through an Abandoned Well from Deep Saline Aquifer to Shallow Fresh Groundwaters. Transport in Porous Media, 2011, 90, 153-181.	2.6	75
3	Potential impacts of leakage from CO ₂ geological storage on geochemical processes controlling fresh groundwater quality: A review. International Journal of Greenhouse Gas Control, 2014, 22, 165-175.	4.6	72
4	Assessing the potential consequences of CO ₂ leakage to freshwater resources: A batch-reaction experiment towards an isotopic tracing tool. Applied Geochemistry, 2013, 30, 178-190.	3.0	67
5	CO ₂ "water" mineral reactions during CO ₂ leakage: Geochemical and isotopic monitoring of a CO ₂ injection field test. Chemical Geology, 2014, 368, 11-30.	3.3	39
6	CO ₂ intrusion in freshwater aquifers: Review of geochemical tracers and monitoring tools, classical uses and innovative approaches. Applied Geochemistry, 2014, 46, 95-108.	3.0	38
7	Reactive transport modeling for impact assessment of a CO ₂ intrusion on trace elements mobility within fresh groundwater and its natural attenuation for potential remediation. Energy Procedia, 2011, 4, 3171-3178.	1.8	29
8	Zinc and cadmium mobility in a 5-year-old dredged sediment deposit: Experiments and modelling. Journal of Soils and Sediments, 2007, 7, 207-215.	3.0	23
9	Metal availability in a highly contaminated, dredged-sediment disposal site: Field measurements and geochemical modeling. Environmental Pollution, 2010, 158, 2857-2864.	7.5	21
10	Intrusion of CO ₂ and impurities in a freshwater aquifer " Impact evaluation by reactive transport modelling. Energy Procedia, 2011, 4, 3202-3209.	1.8	20
11	A workflow for handling heterogeneous 3D models with the TOUGH2 family of codes: Applications to numerical modeling of CO ₂ geological storage. Computers and Geosciences, 2011, 37, 610-620.	4.2	18
12	Tracking leakage from a natural CO ₂ reservoir (Montmiral, France) through the chemistry and isotope signatures of shallow groundwater. , 2014, 4, 225-243.		15
13	A Guide for Assessing the Potential Impacts on Ecosystems of Leakage from CO ₂ Storage Sites. Energy Procedia, 2014, 63, 3242-3252.	1.8	10
14	Selection, Instrumentation and Characterization of a Pilot Site for CO ₂ Leakage Experimentation in a Superficial Aquifer. Energy Procedia, 2014, 63, 3172-3181.	1.8	8
15	A Broad-Scale Method for Estimating Natural Background Levels of Dissolved Components in Groundwater Based on Lithology and Anthropogenic Pressure. Water (Switzerland), 2021, 13, 1531.	2.7	7
16	Exposition des eaux souterraines peu profondes à Escherichia coli résistant aux antibiotiques: approche hydrochimique pour identifier les sources et les voies de transfert. Houille Blanche, 2018, 104, 5-12.	0.3	0