

Stéphane Lafortune

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Monitoring Scheme for the Detection of Hydrogen Leakage from a Deep Underground Storage. Part 2: Physico-Chemical Impacts of Hydrogen Injection into a Shallow Chalky Aquifer. Applied Sciences (Switzerland), 2021, 11, 2686.	2.5	4
2	<i>In situ</i> continuous monitoring of dissolved gases (N ₂ , O ₂) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 T on-site Raman and infrared spectroscopies: instrumental assessment and geochemical baseline establishment. Analytical Methods, 2021, 13, 3806-3820.	2.7	4
3	Monitoring Scheme for the Detection of Hydrogen Leakage from a Deep Underground Storage. Part 1: On-Site Validation of an Experimental Protocol via the Combined Injection of Helium and Tracers into an Aquifer. Applied Sciences (Switzerland), 2020, 10, 6058.	2.5	7
4	Soil-Gas Concentrations and Flux Monitoring at the Lacq-Rousse CO ₂ -Geological Storage Pilot Site (French Pyrenean Foreland): From Pre-Injection to Post-Injection. Applied Sciences (Switzerland), 2019, 9, 645.	2.5	19
5	Assessing CO ₂ Adsorption Capacities onto Shales Through Gravimetric Experiments: A First Step in the Feasibility Study of Coupling "Fracking" with Carbon Storage. Energy Procedia, 2014, 63, 5933-5937.	1.8	9
6	Monitoring a 120-kg CO ₂ Injection in a Coal Seam with Continuous Gas and Microseismic Measurements (European RFCS CARBOLAB Research Project). Energy Procedia, 2014, 63, 4464-4472.	1.8	3
7	Study of the environmental variability of gaseous emanations over a CO ₂ injection pilot "Application to the French Pyrenean foreland. International Journal of Greenhouse Gas Control, 2014, 21, 177-190.	4.6	19
8	An Experimental Approach to Adsorption of CO ₂ + CH ₄ Gas Mixtures Onto Coal (European RFCS) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1.8 16	1.8	16
9	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
10	Impact of Supercritical CO ₂ /Water Interaction on the Caprock Nanoporous Structure. Procedia Earth and Planetary Science, 2013, 7, 738-741.	0.6	9
11	Understanding CO ₂ Gas Production Above a Partly Flooded, Former Coal Mining Area. Procedia Earth and Planetary Science, 2013, 7, 455-458.	0.6	3
12	From Geochemical Baseline Studies to Characterization and Remediation of Gas Leaks: Experiences and Case Studies of the French Institute for Risk Management (INERIS). Energy Procedia, 2013, 37, 4391-4399.	1.8	3
13	Surface and Near Surface Geochemical Surveying of a CO ₂ Injection Pilot: application study to the French Pyrenean Foreland (Rousse CCS Pilot). , 2013, , .		1
14	Selection of coals of different maturities for CO ₂ Storage by modelling of CH ₄ and CO ₂ adsorption isotherms. International Journal of Coal Geology, 2011, 87, 80-86.	5.0	67
15	Coal laboratory characterisation for CO ₂ geological storage. Energy Procedia, 2011, 4, 3147-3154.	1.8	18
16	First steps in coupling continuous carbon isotopic measurements with already proven subsurface gas monitoring methods above underground carbon dioxide storage sites. Energy Procedia, 2011, 4, 3526-3533.	1.8	3
17	Design of fault trees as a practical method for risk analysis of CCS: Application to the different life stages of deep aquifer storage, combining long-term and short-term issues. Energy Procedia, 2011, 4, 4193-4198.	1.8	11
18	Noble gases as tools for subsurface monitoring of CO ₂ leakage. Energy Procedia, 2009, 1, 2185-2192.	1.8	16