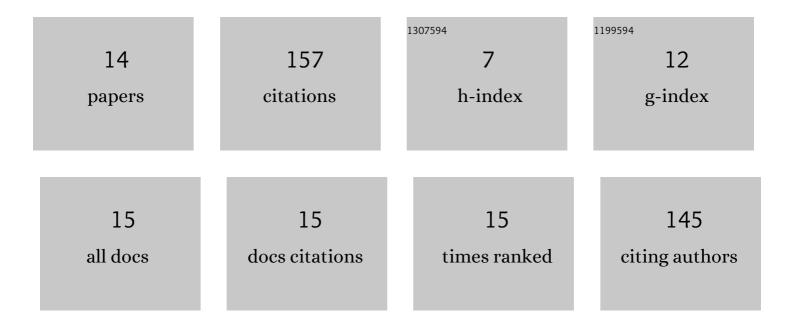
Michelle R Plampin

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Possible Effects of Multiphase Methane Evolution During a Glacial Cycle on Underpressure Development in Sedimentary Basins: An Analysis With Application to the Northeast Michigan Basin. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	0
2	COMPUTATIONAL METHODOLOGY TO ANALYZE THE EFFECT OF MASS TRANSFER RATE ON ATTENUATION OF LEAKED CARBON DIOXIDE IN SHALLOW AQUIFERS. Acta Polytechnica, 2021, 61, 77-88.	0.6	0
3	Potential Pb2+ mobilization, transport, and sequestration in shallow aquifers impacted by multiphase CO2 leakage: a natural analogue study from the Virgin River Basin in SW Utah. Petroleum Geoscience, 2021, 27, petgeo2020-109.	1.5	1
4	Dimensional effects of inter-phase mass transfer on attenuation of structurally trapped gaseous carbon dioxide in shallow aquifers. Journal of Computational Physics, 2020, 405, 109178.	3.8	8
5	Glacially Induced Hydromechanical Coupling in Shale May Have Caused Underpressured Water in the Eastern Michigan Basin Despite the Possible Presence of Gas Phase Methane. Geophysical Research Letters, 2019, 46, 8125-8132.	4.0	1
6	Multiphase flow and underpressured shale at the Bruce nuclear site, Ontario, Canada. Geological Society Special Publication, 2019, 482, 101-114.	1.3	5
7	Intermediateâ€Scale Experimental Study to Improve Fundamental Understanding of Attenuation Capacity for Leaking CO 2 in Heterogeneous Shallow Aquifers. Water Resources Research, 2017, 53, 10121-10138.	4.2	11
8	Effects of geologic heterogeneity on migration of gaseous CO2 using laboratory and modeling investigations. International Journal of Greenhouse Gas Control, 2015, 43, 213-224.	4.6	22
9	CO2 leakage in shallow aquifers: A benchmark modeling study of CO2 gas evolution in heterogeneous porous media. International Journal of Greenhouse Gas Control, 2015, 39, 51-61.	4.6	14
10	Experimental study of gas evolution in heterogeneous shallow subsurface formations during leakage of stored CO2. International Journal of Greenhouse Gas Control, 2014, 22, 47-62.	4.6	34
11	CO2 Leakage Into Shallow Aquifers: Modeling CO2 Gas Evolution and Accumulation at Interfaces of Heterogeneity. Energy Procedia, 2014, 63, 3253-3260.	1.8	5
12	Heterogeneityâ€enhanced gas phase formation in shallow aquifers during leakage of CO 2 â€saturated water from geologic sequestration sites. Water Resources Research, 2014, 50, 9251-9266.	4.2	24
13	Multi-scale Experimentation and Numerical Modeling for Process Understanding of CO2 Attenuation in the shallow subsurface. Energy Procedia, 2014, 63, 4824-4833.	1.8	4
14	What controls carbon dioxide gas phase evolution in the subsurface? Experimental observations in a 4.5 m-long column under different heterogeneity conditions. International Journal of Greenhouse Gas Control, 2013, 17, 66-77.	4.6	27