

Christopher F Brown

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

402
citations

933447

10
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical Implications of Gas Leakage associated with Geologic CO ₂ Storage – A Qualitative Review. <i>Environmental Science & Technology</i> , 2013, 47, 23-36.	10.0	146
2	Modeling the impact of carbon dioxide leakage into an unconfined, oxidizing carbonate aquifer. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 290-299.	4.6	56
3	Review of the impacts of leaking CO ₂ gas and brine on groundwater quality. <i>Earth-Science Reviews</i> , 2017, 169, 69-84.	9.1	42
4	Coupled Geochemical Impacts of Leaking CO ₂ and Contaminants from Subsurface Storage Reservoirs on Groundwater Quality. <i>Environmental Science & Technology</i> , 2015, 49, 8202-8209.	10.0	34
5	Evaluating impacts of CO ₂ intrusion into an unconsolidated aquifer: I. Experimental data. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 323-333.	4.6	31
6	Evaluating impacts of CO ₂ intrusion into an unconsolidated aquifer: II. Modeling results. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 300-309.	4.6	23
7	Geochemical impacts of leaking CO ₂ from subsurface storage reservoirs to an unconfined oxidizing carbonate aquifer. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 310-322.	4.6	16
8	Element mobilization and immobilization from carbonate rocks between CO ₂ storage reservoirs and the overlying aquifers during a potential CO ₂ leakage. <i>Chemosphere</i> , 2018, 197, 399-410.	8.2	16
9	Characterization and design of the FutureGen 2.0 carbon storage site. <i>International Journal of Greenhouse Gas Control</i> , 2016, 53, 1-10.	4.6	13
10	Risk-based post injection site care and monitoring for commercial-scale carbon storage: Reevaluation of the FutureGen 2.0 site using NRAP-Open-IAM and DREAM. <i>International Journal of Greenhouse Gas Control</i> , 2019, 90, 102784.	4.6	12
11	Source term modeling for evaluating the potential impacts to groundwater of fluids escaping from a depleted oil reservoir used for carbon sequestration. <i>International Journal of Greenhouse Gas Control</i> , 2014, 27, 139-145.	4.6	7
12	Methanogenesis-induced pH/Eh shifts drives aqueous metal(loid) mobility in sulfide mineral systems under CO ₂ enriched conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 173, 232-245.	3.9	6
13	Sealing of fractures in a representative CO ₂ reservoir caprock by migration of fines. , 2021, 11, 483-492.		0