Amanda R Lawter

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6937480/publications.pdf

Version: 2024-02-01

24	536	567281 15	677142 22
papers	citations	h-index	g-index

33	33	33	535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iodine immobilization by materials through sorption and redox-driven processes: A literature review. Science of the Total Environment, 2020, 716, 132820.	8.0	59
2	Removal of TcO₄^{â€“} from Representative Nuclear Waste Streams with Layered Potassium Metal Sulfide Materials. Chemistry of Materials, 2016, 28, 3976-3983.	6.7	56
3	Review of the impacts of leaking CO2 gas and brine on groundwater quality. Earth-Science Reviews, 2017, 169, 69-84.	9.1	42
4	Coupled Geochemical Impacts of Leaking CO₂ and Contaminants from Subsurface Storage Reservoirs on Groundwater Quality. Environmental Science & Technology, 2015, 49, 8202-8209.	10.0	34
5	Evaluating impacts of CO2 intrusion into an unconsolidated aquifer: I. Experimental data. International Journal of Greenhouse Gas Control, 2016, 44, 323-333.	4.6	31
6	Incorporation Modes of Iodate in Calcite. Environmental Science & Technology, 2018, 52, 5902-5910.	10.0	31
7	Getters for improved technetium containment in cementitious waste forms. Journal of Hazardous Materials, 2018, 341, 238-247.	12.4	25
8	Evaluating impacts of CO2 intrusion into an unconsolidated aquifer: II. Modeling results. International Journal of Greenhouse Gas Control, 2016, 44, 300-309.	4.6	23
9	Silver-based getters for ¹²⁹I removal from low-activity waste. Radiochimica Acta, 2016, 104, 905-913.	1.2	21
10	Investigating the Durability of Iodine Waste Forms in Dilute Conditions. Materials, 2019, 12, 686.	2.9	21
11	Technetium immobilization by materials through sorption and redox-driven processes: A literature review. Science of the Total Environment, 2020, 716, 132849.	8.0	19
12	The function of Sn(II)-apatite as a Tc immobilizing agent. Journal of Nuclear Materials, 2016, 480, 393-402.	2.7	18
13	Iodosodalite synthesis with hot isostatic pressing of precursors produced from aqueous and hydrothermal processes. Journal of Nuclear Materials, 2020, 538, 152222.	2.7	18
14	Technetium and iodine aqueous species immobilization and transformations in the presence of strong reductants and calcite-forming solutions: Remedial action implications. Science of the Total Environment, 2018, 636, 588-595.	8.0	17
15	Geochemical impacts of leaking CO2 from subsurface storage reservoirs to an unconfined oxidizing carbonate aquifer. International Journal of Greenhouse Gas Control, 2016, 44, 310-322.	4.6	16
16	Element mobilization and immobilization from carbonate rocks between CO2 storage reservoirs and the overlying aquifers during a potential CO2 leakage. Chemosphere, 2018, 197, 399-410.	8.2	16
17	Chromate Effect on Iodate Incorporation into Calcite. ACS Earth and Space Chemistry, 2019, 3, 1624-1630.	2.7	16
18	Evaluating Impacts of CO2 Gas Intrusion Into a Confined Sandstone aquifer: Experimental Results. Energy Procedia, 2014, 63, 3275-3284.	1.8	7

#	Article	IF	Citations
19	Risk of Geologic Sequestration of CO2 to Groundwater Aquifers: Current Knowledge and Remaining Questions. Energy Procedia, 2017, 114, 3052-3059.	1.8	7
20	Review and experimental comparison of the durability of iodine waste forms in semi-dynamic leach testing. Chemical Engineering Journal Advances, 2022, 11, 100300.	5.2	7
21	Iodate interactions with calcite: implications for natural attenuation. Environmental Earth Sciences, 2020, 79, 1.	2.7	5
22	Simultaneous immobilization of aqueous co-contaminants using a bismuth layered material. Journal of Environmental Radioactivity, 2021, 237, 106711.	1.7	5
23	Evaluating impacts of CO2 and CH4 gas intrusion into an unconsolidated aquifer: fate of As and Cd. Frontiers in Environmental Science, 2015, 3, .	3.3	4
24	Technetium Getters to Improve Cast Stone Performance. Materials Research Society Symposia Proceedings, 2015, 1744, 43-52.	0.1	1