

# Jennifer Druhan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7276518/publications.pdf>

Version: 2024-02-01

20  
papers

259  
citations

1040056

9  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

277  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Critical Review of the Physicochemical Impacts of Water Chemistry on Shale in Hydraulic Fracturing Systems. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1377-1394.	10.0	51
2	The influence of mixing on stable isotope ratios in porous media: A revised Rayleigh model. <i>Water Resources Research</i> , 2017, 53, 1101-1124.	4.2	39
3	Chemical and Reactive Transport Processes Associated with Hydraulic Fracturing of Unconventional Oil/Gas Shales. <i>Chemical Reviews</i> , 2022, 122, 9198-9263.	47.7	25
4	Carbon Dioxide Production in Bedrock Beneath Soils Substantially Contributes to Forest Carbon Cycling. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005795.	3.0	23
5	Reactive alteration of a Mt. Simon Sandstone due to CO <sub>2</sub> -rich brine displacement. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 271, 227-247.	3.9	19
6	Influence of physical and chemical hydrology on bioremediation of a U-contaminated aquifer informed by reactive transport modeling incorporating <sup>238</sup> U/ <sup>235</sup> U ratios. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 269, 303-328.	3.9	12
7	Modeling Transient Soil Moisture Limitations on Microbial Carbon Respiration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2222-2247.	3.0	11
8	Soil Respiration Response to Rainfall Modulated by Plant Phenology in a Montane Meadow, East River, Colorado, USA. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005924.	3.0	11
9	A first look at Ge/Si partitioning during amorphous silica precipitation: Implications for Ge/Si as a tracer of fluid-silicate interactions. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 297, 158-178.	3.9	10
10	A reactive transport approach to modeling cave seepage water chemistry I: Carbon isotope transformations. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 374-400.	3.9	10
11	Tropical Weathering History Recorded in the Silicon Isotopes of Lateritic Weathering Profiles. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092957.	4.0	7
12	Geochemical Modeling of Celestite (SrSO <sub>4</sub> ) Precipitation and Reactive Transport in Shales. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4336-4344.	10.0	7
13	Resiliency of Silica Export Signatures When Low Order Streams Are Subject to Storm Events. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	6
14	Impact of Concurrent Solubilization and Fines Migration on Fracture Aperture Growth in Shales during Acidized Brine Injection. <i>Energy &amp; Fuels</i> , 2022, 36, 5681-5694.	5.1	6
15	Stable and radioactive carbon isotope partitioning in soils and saturated systems: a reactive transport modeling benchmark study. <i>Computational Geosciences</i> , 2021, 25, 1393-1403.	2.4	5
16	A reactive transport approach to modeling cave seepage water chemistry II: Elemental signatures. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 353-373.	3.9	5
17	On the utility of quantitative modeling to the interpretation of Ca isotopes. <i>Chemical Geology</i> , 2020, 537, 119469.	3.3	3
18	Development of soil radiocarbon profiles in a reactive transport framework. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 306, 63-83.	3.9	3

#	ARTICLE	IF	CITATIONS
19	Numerical modeling of groundwater-driven stream network evolution in low-relief post-glacial landscapes. <i>Earth Surface Processes and Landforms</i> , 0, , .	2.5	2
20	REWTCrunch: A Modeling Framework for Vegetation Induced Reactive Zone Processes in the Critical Zone. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	2