

L Niel Plummer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4320523/publications.pdf>

Version: 2024-02-01

42
papers

3,916
citations

186265
28
h-index

276875
41
g-index

42
all docs

42
docs citations

42
times ranked

2818
citing authors

#	ARTICLE	IF	CITATIONS
1	Using dual-domain advective-transport simulation to reconcile multiple-tracer ages and estimate dual-porosity transport parameters. <i>Water Resources Research</i> , 2017, 53, 5002-5016.	4.2	7
2	The curved ^{14}C vs. ^{13}C relationship in dissolved inorganic carbon: A useful tool for groundwater age- and geochemical interpretations. <i>Chemical Geology</i> , 2014, 387, 111-125.	3.3	25
3	Measurements of HFC-134a and HCFC-22 in groundwater and unsaturated-zone air: Implications for HFCs and HCFCs as dating tracers. <i>Chemical Geology</i> , 2014, 385, 117-128.	3.3	7
4	A 17-Year Record of Environmental Tracers in Spring Discharge, Shenandoah National Park, Virginia, USA: Use of Climatic Data and Environmental Conditions to Interpret Discharge, Dissolved Solutes, and Tracer Concentrations. <i>Aquatic Geochemistry</i> , 2014, 20, 267-290.	1.3	10
5	Comparison of age distributions estimated from environmental tracers by using binary-dilution and numerical models of fractured and folded karst: Shenandoah Valley of Virginia and West Virginia, USA. <i>Hydrogeology Journal</i> , 2013, 21, 1193-1217.	2.1	21
6	Revision of Fontes & Garnier's model for the initial ^{14}C content of dissolved inorganic carbon used in groundwater dating. <i>Chemical Geology</i> , 2013, 351, 105-114.	3.3	83
7	Tracing groundwater with low-level detections of halogenated VOCs in a fractured carbonate-rock aquifer, Leetown Science Center, West Virginia, USA. <i>Applied Geochemistry</i> , 2013, 33, 260-280.	3.0	11
8	A graphical method to evaluate predominant geochemical processes occurring in groundwater systems for radiocarbon dating. <i>Chemical Geology</i> , 2012, 318-319, 88-112.	3.3	67
9	Evolution of groundwater age in a mountain watershed over a period of thirteen years. <i>Journal of Hydrology</i> , 2012, 460-461, 13-28.	5.4	70
10	NETPATH-WIN: An Interactive User Version of the Mass-Balance Model, NETPATH. <i>Ground Water</i> , 2011, 49, 593-599.	1.3	38
11	Testing mixing models of old and young groundwater in a tropical lowland rain forest with environmental tracers. <i>Water Resources Research</i> , 2010, 46, .	4.2	76
12	A rapid method for the measurement of sulfur hexafluoride (SF_6), trifluoromethyl sulfur pentafluoride (SF_5CF_3), and Halon 1211 (CF_2ClBr) in hydrologic tracer studies. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	17
13	Dating groundwater with trifluoromethyl sulfurpentafluoride (SF_5CF_3), sulfur hexafluoride (SF_6), CF_3Cl (CFC-13), and CF_2Cl_2 (CFC-12). <i>Water Resources Research</i> , 2008, 44, .	4.2	54
14	Low-Level Detections of Halogenated Volatile Organic Compounds in Groundwater: Use in Vulnerability Assessments. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 1049-1068.	1.9	26
15	Evidence for terrigenic SF_6 in groundwater from basaltic aquifers, Jeju Island, Korea: Implications for groundwater dating. <i>Journal of Hydrology</i> , 2007, 339, 93-104.	5.4	61
16	Origin of halite brine in the Onondaga Trough near Syracuse, New York State, USA: modeling geochemistry and variable-density flow. <i>Hydrogeology Journal</i> , 2007, 15, 1321-1339.	2.1	9
17	Perchlorate in Pleistocene and Holocene Groundwater in North-Central New Mexico. <i>Environmental Science & Technology</i> , 2006, 40, 1757-1763.	10.0	69
18	Application of environmental tracers to mixing, evolution, and nitrate contamination of ground water in Jeju Island, Korea. <i>Journal of Hydrology</i> , 2006, 327, 258-275.	5.4	78

#	ARTICLE	IF	CITATIONS
19	Geochemistry and the understanding of ground-water systems. <i>Hydrogeology Journal</i> , 2005, 13, 263-287.	2.1	196
20	Transport and Time Lag of Chlorofluorocarbon Gases in the Unsaturated Zone, Rabis Creek, Denmark. <i>Vadose Zone Journal</i> , 2004, 3, 1249-1261.	2.2	27
21	Historical trends in occurrence and atmospheric inputs of halogenated volatile organic compounds in untreated ground water used as a source of drinking water. <i>Science of the Total Environment</i> , 2004, 321, 201-217.	8.0	26
22	Hydrochemical tracers in the middle Rio Grande Basin, USA: 1. Conceptualization of groundwater flow. <i>Hydrogeology Journal</i> , 2004, 12, 359.	2.1	53
23	Hydrochemical tracers in the middle Rio Grande Basin, USA: 2. Calibration of a groundwater-flow model. <i>Hydrogeology Journal</i> , 2004, 12, 389.	2.1	73
24	Using geochemical data and aquifer simulation to characterize recharge and groundwater flow in the Middle Rio Grande Basin, New Mexico. <i>Water Science and Application</i> , 2004, , 185-216.	0.3	10
25	The Geochemical Evolution of Riparian Ground Water in a Forested Piedmont Catchment. <i>Ground Water</i> , 2003, 41, 913-925.	1.3	88
26	Influence of Fracture Anisotropy on Ground Water Ages and Chemistry, Valley and Ridge Province, Pennsylvania. <i>Ground Water</i> , 2002, 40, 242-257.	1.3	37
27	Title is missing!. <i>Aquatic Geochemistry</i> , 2000, 6, 257-274.	1.3	33
28	Dating young groundwater with sulfur hexafluoride: Natural and anthropogenic sources of sulfur hexafluoride. <i>Water Resources Research</i> , 2000, 36, 3011-3030.	4.2	293
29	Chlorofluorocarbons. , 2000, , 441-478.		61
30	Chemical Evolution of Groundwater Near a Sinkhole Lake, Northern Florida: 2. Chemical Patterns, Mass Transfer Modeling, and Rates of Mass Transfer Reactions. <i>Water Resources Research</i> , 1995, 31, 1565-1584.	4.2	45
31	Chemical Evolution of Groundwater Near a Sinkhole Lake, Northern Florida: 1. Flow Patterns, Age of Groundwater, and Influence of Lake Water Leakage. <i>Water Resources Research</i> , 1995, 31, 1549-1564.	4.2	73
32	Estimating ¹⁴ C Groundwater Ages in a Methanogenic Aquifer. <i>Water Resources Research</i> , 1995, 31, 2307-2317.	4.2	103
33	The use of simulation and multiple environmental tracers to quantify groundwater flow in a shallow aquifer. <i>Water Resources Research</i> , 1994, 30, 421-433.	4.2	156
34	Dating of shallow groundwater: Comparison of the transient tracers ³ H/ ³ He, chlorofluorocarbons, and ⁸⁵ Kr. <i>Water Resources Research</i> , 1994, 30, 1693-1708.	4.2	187
35	Use of chlorofluorocarbons (CCl ₃ F and CCl ₂ F ₂) as hydrologic tracers and age-dating tools: The alluvium and terrace system of central Oklahoma. <i>Water Resources Research</i> , 1992, 28, 2257-2283.	4.2	430
36	Revised Chemical Equilibrium Data for Major Water-Related Mineral Reactions and Their Limitations. <i>ACS Symposium Series</i> , 1990, , 398-413.	0.5	153

#	ARTICLE	IF	CITATIONS
37	Geochemical Modeling of the Madison Aquifer in Parts of Montana, Wyoming, and South Dakota. <i>Water Resources Research</i> , 1990, 26, 1981-2014.	4.2	352
38	Thermodynamics of magnesian calcite solid-solutions at 25°C and 1 atm total pressure. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 1189-1208.	3.9	175
39	Process and rate of dedolomitization: Mass transfer and ¹⁴ C dating in a regional carbonate aquifer: Extended interpretation and reply. <i>Bulletin of the Geological Society of America</i> , 1985, 96, 1098.	3.3	1
40	Kinetic and thermodynamic factors controlling the distribution of SO ₃ ²⁻ and Na ⁺ in calcites and selected aragonites. <i>Geochimica Et Cosmochimica Acta</i> , 1985, 49, 713-725.	3.9	311
41	Process and rate of dedolomitization: Mass transfer and ¹⁴ C dating in a regional carbonate aquifer. <i>Bulletin of the Geological Society of America</i> , 1983, 94, 1415.	3.3	165
42	Geochemical significance of groundwater discharge and carbonate solution to the formation of Caleta Xel Ha, Quintana Roo, Mexico. <i>Water Resources Research</i> , 1979, 15, 1521-1535.	4.2	139