

Martin Stute

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6440979/publications.pdf>

Version: 2024-02-01

52
papers

3,881
citations

147726

31
h-index

175177

52
g-index

53
all docs

53
docs citations

53
times ranked

3376
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid carbon mineralization for permanent disposal of anthropogenic carbon dioxide emissions. <i>Science</i> , 2016, 352, 1312-1314.	6.0	565
2	Mineral sequestration of carbon dioxide in basalt: A pre-injection overview of the CarbFix project. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 537-545.	2.3	294
3	Tritium/ ³ He dating of shallow groundwater. <i>Earth and Planetary Science Letters</i> , 1988, 89, 353-362.	1.8	260
4	Tritiogenic ³ He in shallow groundwater. <i>Earth and Planetary Science Letters</i> , 1989, 94, 245-256.	1.8	210
5	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.	1.7	187
6	Promotion of well-switching to mitigate the current arsenic crisis in Bangladesh. <i>Bulletin of the World Health Organization</i> , 2002, 80, 732-7.	1.5	127
7	Extraterrestrial ³ He as a tracer of marine sediment transport and accumulation. <i>Nature</i> , 1996, 383, 705-707.	13.7	120
8	A 30,000 yr Continental Paleotemperature Record Derived from Noble Gases Dissolved in Groundwater from the San Juan Basin, New Mexico. <i>Quaternary Research</i> , 1995, 43, 209-220.	1.0	114
9	Comparison of ⁴ He ages and ¹⁴ C ages in simple aquifer systems: implications for groundwater flow and chronologies. <i>Applied Geochemistry</i> , 2000, 15, 1137-1167.	1.4	114
10	A paleotemperature record derived from dissolved noble gases in groundwater of the Aquia Aquifer (Maryland, USA). <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 797-817.	1.6	111
11	Environmental Isotope Study (¹⁴ C, ¹³ C, ¹⁸ O, D, Noble Gases) on Deep Groundwater Circulation Systems in Hungary With Reference to Paleoclimate. <i>Radiocarbon</i> , 1989, 31, 902-918.	0.8	104
12	Advection of surface-derived organic carbon fuels microbial reduction in Bangladesh groundwater. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5331-5335.	3.3	96
13	Solving the carbon-dioxide buoyancy challenge: The design and field testing of a dissolved CO ₂ injection system. <i>International Journal of Greenhouse Gas Control</i> , 2015, 37, 213-219.	2.3	96
14	Sediment focusing in the central equatorial Pacific Ocean. <i>Paleoceanography</i> , 2001, 16, 260-267.	3.0	95
15	The chemistry and saturation states of subsurface fluids during the in situ mineralisation of CO ₂ and H ₂ S at the CarbFix site in SW-Iceland. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 87-102.	2.3	93
16	A comparative study of accumulation rates derived by He and Th isotope analysis of marine sediments. <i>Earth and Planetary Science Letters</i> , 1995, 133, 549-555.	1.8	92
17	The rapid and cost-effective capture and subsurface mineral storage of carbon and sulfur at the CarbFix2 site. <i>International Journal of Greenhouse Gas Control</i> , 2018, 79, 117-126.	2.3	80
18	Unconventional Gas and Oil Drilling Is Associated with Increased Hospital Utilization Rates. <i>PLoS ONE</i> , 2015, 10, e0131093.	1.1	72

#	ARTICLE	IF	CITATIONS
19	Widespread six degrees Celsius cooling on land during the Last Glacial Maximum. <i>Nature</i> , 2021, 593, 228-232.	13.7	65
20	Arsenic Redistribution between Sediments and Water near a Highly Contaminated Source. <i>Environmental Science & Technology</i> , 2005, 39, 8606-8613.	4.6	64
21	A tracer study of the Floridan Aquifer in southeastern Georgia: Implications for groundwater flow and paleoclimate. <i>Water Resources Research</i> , 1997, 33, 281-289.	1.7	57
22	SF6 ³ He Tracer Release Experiment: A New Method of Determining Longitudinal Dispersion Coefficients in Large Rivers. <i>Environmental Science & Technology</i> , 1996, 30, 1527-1532.	4.6	56
23	Grand Comore Island: A well-constrained ³ He/ ⁴ He mantle plume. <i>Earth and Planetary Science Letters</i> , 2005, 233, 391-409.	1.8	55
24	Naturally occurring arsenic: Mobilization at a landfill in Maine and implications for remediation. <i>Applied Geochemistry</i> , 2005, 20, 1985-2002.	1.4	54
25	The accretion rate of extraterrestrial ³ He based on oceanic ²³⁰ Th flux and the relation to Os isotope variation over the past 200,000 years in an Indian Ocean core. <i>Earth and Planetary Science Letters</i> , 1999, 170, 157-168.	1.8	52
26	Groundwater reorganization in the Floridan aquifer following Holocene sea-level rise. <i>Nature Geoscience</i> , 2010, 3, 683-687.	5.4	52
27	Reversible adsorption and flushing of arsenic in a shallow, Holocene aquifer of Bangladesh. <i>Applied Geochemistry</i> , 2017, 77, 142-157.	1.4	41
28	Abrupt intensification of the SW Indian Ocean monsoon during the last deglaciation: constraints from Th, Pa, and He isotopes. <i>Earth and Planetary Science Letters</i> , 2001, 184, 505-514.	1.8	40
29	The use of ³ H and tritogenic ³ He to determine CFC degradation and vertical mixing rates in Framvaren Fjord, Norway. <i>Marine Chemistry</i> , 1997, 59, 141-157.	0.9	37
30	Terrigenous helium in deep-sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 1535-1543.	1.6	37
31	Sediment focusing creates 100-ka cycles in interplanetary dust accumulation on the Ontong Java Plateau. <i>Earth and Planetary Science Letters</i> , 2002, 203, 383-397.	1.8	36
32	Does interplanetary dust control 100 kyr glacial cycles?. <i>Quaternary Science Reviews</i> , 2004, 23, 1873-1878.	1.4	31
33	Tritium-helium 3 dating under complex conditions in hydraulically stressed areas of a buried-valley aquifer. <i>Water Resources Research</i> , 1998, 34, 1165-1180.	1.7	29
34	Isotopic geochemistry of the Saratoga springs: Implications for the origin of solutes and source of carbon dioxide. <i>Geology</i> , 2004, 32, 257.	2.0	29
35	Geological storage of CO ₂ in sub-seafloor basalt: the CarbonSAFE pre-feasibility study offshore Washington State and British Columbia. <i>Energy Procedia</i> , 2018, 146, 158-165.	1.8	29
36	Groundwater hydrogeochemistry in injection experiments simulating CO ₂ leakage from geological storage reservoir. <i>International Journal of Greenhouse Gas Control</i> , 2014, 26, 193-203.	2.3	28

#	ARTICLE	IF	CITATIONS
37	Multitracer determination of apparent groundwater ages in peridotite aquifers within the Samail ophiolite, Sultanate of Oman. <i>Earth and Planetary Science Letters</i> , 2019, 516, 37-48.	1.8	28
38	Using stable Mg isotope signatures to assess the fate of magnesium during the in situ mineralisation of CO ₂ and H ₂ S at the CarbFix site in SW-Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 542-555.	1.6	27
39	Aqueous Geochemical and Microbial Variation Across Discrete Depth Intervals in a Peridotite Aquifer Assessed Using a Packer System in the Samail Ophiolite, Oman. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006319.	1.3	23
40	Flow and sorption controls of groundwater arsenic in individual boreholes from bedrock aquifers in central Maine, USA. <i>Science of the Total Environment</i> , 2015, 505, 1291-1307.	3.9	22
41	Widespread elevated atmospheric SF ₆ mixing ratios in the Northeastern United States: Implications for groundwater dating. <i>Journal of Hydrology</i> , 2008, 349, 139-146.	2.3	20
42	Distribution of Atmospheric SF ₆ near a Large Urban Area As Recorded in the Vadose Zone. <i>Environmental Science & Technology</i> , 2003, 37, 1069-1074.	4.6	19
43	Association of groundwater constituents with topography and distance to unconventional gas wells in NE Pennsylvania. <i>Science of the Total Environment</i> , 2017, 577, 195-201.	3.9	18
44	Microbial Stimulation and Succession following a Test Well Injection Simulating CO ₂ , Leakage into a Shallow Newark Basin Aquifer. <i>PLoS ONE</i> , 2015, 10, e0117812.	1.1	17
45	Deglacial water-table decline in Southern California recorded by noble gas isotopes. <i>Nature Communications</i> , 2019, 10, 5739.	5.8	16
46	Fluid sources for the La Guitarra epithermal deposit (Temascaltepec district, Mexico): Volatile and helium isotope analyses in fluid inclusions. <i>Chemical Geology</i> , 2006, 231, 252-284.	1.4	15
47	Chemical treatments for mobilizing arsenic from contaminated aquifer solids to accelerate remediation. <i>Applied Geochemistry</i> , 2010, 25, 1500-1509.	1.4	15
48	Groundwater geochemistry in bench experiments simulating CO ₂ leakage from geological storage in the Newark Basin. <i>International Journal of Greenhouse Gas Control</i> , 2015, 42, 98-108.	2.3	9
49	Environmental isotopes and noble gases in the deep aquifer system of Kazan Trona Ore Field, Ankara, central Turkey and links to paleoclimate. <i>Quaternary Research</i> , 2013, 79, 292-303.	1.0	8
50	Invalidation of the Intracavity Optogalvanic Method for Radiocarbon Detection. <i>Radiocarbon</i> , 2016, 58, 213-225.	0.8	8
51	Seasonal Variability and Long Term Trends of Chlorofluorocarbon Mixing Ratios in the Unsaturated Zone. <i>Environmental Science & Technology</i> , 2006, 40, 4414-4420.	4.6	6
52	Environmental Tracers in Groundwaters and Porewaters to Understand Groundwater Movement Through an Argillaceous Aquitard. <i>Procedia Earth and Planetary Science</i> , 2017, 17, 420-423.	0.6	3