

# Grant A G Ferguson

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

3,598  
citations

159358

30  
h-index

138251

58  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3906  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Deep Groundwater Flow Patterns Related to Oil and Gas Activities. <i>Ground Water</i> , 2022, 60, 47-63.	0.7	7
2	Evaluation of strontium isotope tracers of produced water sources from multiple stacked reservoirs in Appalachian, Williston and Permian basins. <i>Journal of Geochemical Exploration</i> , 2022, 232, 106887.	1.5	1
3	Commingle Fluids in Abandoned Boreholes: Proximity Analysis of a Hidden Liability. <i>Ground Water</i> , 2022, 60, 210-224.	0.7	2
4	Hydrogeochemical evolution of formation waters responsible for sandstone bleaching and ore mineralization in the Paradox Basin, Colorado Plateau, USA. <i>Bulletin of the Geological Society of America</i> , 2022, 134, 2589-2610.	1.6	8
5	Krypton-81 Dating Constrains Timing of Deep Groundwater Flow Activation. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
6	Introduction: Why Study Global Groundwater?. , 2021, , xxxvii-xxxix.		0
7	Deep Meteoric Water Circulation in Earth's Crust. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090461.	1.5	20
8	The hidden crisis beneath our feet. <i>Science</i> , 2021, 372, 344-345.	6.0	43
9	A geochemical and isotopic assessment of hydraulic connectivity of a stacked aquifer system in the Lisbon Valley, Utah (USA), and critical evaluation of environmental tracers. <i>Hydrogeology Journal</i> , 2021, 29, 1905-1923.	0.9	8
10	Crustal Groundwater Volumes Greater Than Previously Thought. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093549.	1.5	24
11	Determining the role of diffusion and basement flux in controlling 4He distribution in sedimentary basin fluids. <i>Earth and Planetary Science Letters</i> , 2021, 574, 117175.	1.8	11
12	Variability in Timing and Transport of Pleistocene Meltwater Recharge to Regional Aquifers. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	4
13	Synthesis of science: findings on Canadian Prairie wetland drainage. <i>Canadian Water Resources Journal</i> , 2021, 46, 229-241.	0.5	15
14	Using Thermal Springs to Quantify Deep Groundwater Flow and Its Thermal Footprint in the Alps and a Comparison With North American Orogens. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090134.	1.5	10
15	Rethinking groundwater age. <i>Nature Geoscience</i> , 2020, 13, 592-594.	5.4	21
16	Characterization of the hydraulic conductivity of glacial till aquitards. <i>Hydrogeology Journal</i> , 2020, 28, 1827-1839.	0.9	17
17	Where Is the Bottom of a Watershed?. <i>Water Resources Research</i> , 2020, 56, e2019WR026010.	1.7	65
18	Global Groundwater Sustainability, Resources, and Systems in the Anthropocene. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 431-463.	4.6	161

#	ARTICLE	IF	CITATIONS
19	Prairie water: a global water futures project to enhance the resilience of prairie communities through sustainable water management. Canadian Water Resources Journal, 2019, 44, 115-126.	0.5	12
20	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	1.2	474
21	Seismic induced flow disruption of Gandll K'in Gwaay, yaay thermal springs, Gwaii Haanas National Park Reserve, Canada. Applied Geochemistry, 2019, 103, 118-130.	1.4	5
22	Conventional Oil – The Forgotten Part of the Water – Energy Nexus. Ground Water, 2019, 57, 669-677.	0.7	21
23	Comment on “Groundwater Pumping Is a Significant Unrecognized Contributor to Global Anthropogenic Element Cycles”. Ground Water, 2019, 57, 82-82.	0.7	2
24	Salt dissolution and permeability in the Western Canada Sedimentary Basin. Hydrogeology Journal, 2019, 27, 161-170.	0.9	3
25	Heat transfer within frozen slopes in subarctic Yukon, Canada. Environmental Geotechnics, 2019, 6, 420-429.	1.3	2
26	Insights into contaminant transport from unconventional oil and gas developments from analog system analysis of methane-bearing thermal springs in the northern Canadian Rocky Mountains. Hydrogeology Journal, 2018, 26, 481-493.	0.9	3
27	Competition for shrinking window of low salinity groundwater. Environmental Research Letters, 2018, 13, 114013.	2.2	37
28	The Persistence of Brines in Sedimentary Basins. Geophysical Research Letters, 2018, 45, 4851-4858.	1.5	54
29	Global aquifers dominated by fossil groundwaters but wells vulnerable to modern contamination. Nature Geoscience, 2017, 10, 425-429.	5.4	210
30	Deep Groundwater Circulation through Gas Shales in Mountain Belts. Procedia Earth and Planetary Science, 2017, 17, 532-533.	0.6	4
31	Hydrogeology of the Judith River Formation in southwestern Saskatchewan, Canada. Hydrogeology Journal, 2017, 25, 1985-1995.	0.9	4
32	Geothermal energy potential of the Western Canada Sedimentary Basin: Clues from coproduced and injected water. Environmental Geosciences, 2017, 24, 113-121.	0.6	9
33	Deep groundwater circulation and associated methane leakage in the northern Canadian Rocky Mountains. Applied Geochemistry, 2016, 68, 10-18.	1.4	21
34	Application of an Analytical Solution as a Screening Tool for Sea Water Intrusion. Ground Water, 2016, 54, 709-718.	0.7	31
35	The isotopic composition of the Laurentide Ice Sheet and fossil groundwater. Geophysical Research Letters, 2015, 42, 4856-4861.	1.5	51
36	Deep Injection of Waste Water in the Western Canada Sedimentary Basin. Ground Water, 2015, 53, 187-194.	0.7	36

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37	Screening for Heat Transport by Groundwater in Closed Geothermal Systems. <i>Ground Water</i> , 2015, 53, 503-506.	0.7	19
38	Satellite-Derived Subsurface Urban Heat Island. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12134-12140.	4.6	36
39	Preface: Hydrogeology of shallow thermal systems. <i>Hydrogeology Journal</i> , 2014, 22, 1-6.	0.9	8
40	The geothermal potential of the basal clastics of Saskatchewan, Canada. <i>Hydrogeology Journal</i> , 2014, 22, 143-150.	0.9	13
41	Sustainability and policy for the thermal use of shallow geothermal energy. <i>Energy Policy</i> , 2013, 59, 914-925.	4.2	201
42	Hydrogeological processes in seasonally frozen northern latitudes: understanding, gaps and challenges. <i>Hydrogeology Journal</i> , 2013, 21, 53-66.	0.9	144
43	Reply to 'Threats to coastal aquifers'. <i>Nature Climate Change</i> , 2013, 3, 605-606.	8.1	3
44	Subsurface energy footprints. <i>Environmental Research Letters</i> , 2013, 8, 014037.	2.2	8
45	Vulnerability of coastal aquifers to groundwater use and climate change. <i>Nature Climate Change</i> , 2012, 2, 342-345.	8.1	454
46	Permafrost degradation as a control on hydrogeological regime shifts in a warming climate. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	113
47	Teaching hydrogeology: a review of current practice. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2159-2168.	1.9	17
48	Characterizing uncertainty in groundwater-source heating and cooling projects in Manitoba, Canada. <i>Energy</i> , 2012, 37, 201-206.	4.5	16
49	Thermal springs and heat flow in North America. <i>Geofluids</i> , 2011, 11, 294-301.	0.3	22
50	Uncertainty in 1D Heat-Flow Analysis to Estimate Groundwater Discharge to a Stream. <i>Ground Water</i> , 2011, 49, 336-347.	0.7	56
51	The geothermal potential of urban heat islands. <i>Environmental Research Letters</i> , 2011, 6, 019501.	2.2	28
52	The geothermal potential of urban heat islands. <i>Environmental Research Letters</i> , 2010, 5, 044002.	2.2	125
53	Elevated Ba concentrations in a sandstone aquifer. <i>Journal of Hydrology</i> , 2009, 376, 126-131.	2.3	16
54	Unfinished Business in Geothermal Energy. <i>Ground Water</i> , 2009, 47, 167-167.	0.7	26

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55	What do aqueous geothermometers really tell us?. <i>Geofluids</i> , 2009, 9, 39-48.	0.3	34
56	Evolution of shallow groundwater flow systems in areas of degrading permafrost. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	169
57	Urban heat island in the subsurface. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	133
58	Heterogeneity and Thermal Modeling of Ground Water. <i>Ground Water</i> , 2007, 45, 485-490.	0.7	60
59	Hydrogeology of the Winnipeg Formation in Manitoba, Canada. <i>Hydrogeology Journal</i> , 2007, 15, 573-587.	0.9	41
60	Ground surface paleotemperature reconstruction using information measures and empirical Bayes. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	10
61	Perturbation of ground surface temperature reconstructions by groundwater flow?. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	37
62	Transient lateral heat flow due to land-use changes. <i>Earth and Planetary Science Letters</i> , 2006, 242, 217-222.	1.8	35
63	Observed thermal pollution and post-development simulations of low-temperature geothermal systems in Winnipeg, Canada. <i>Hydrogeology Journal</i> , 2006, 14, 1206-1215.	0.9	49
64	Potential use of particle tracking in the analysis of low-temperature geothermal developments. <i>Geothermics</i> , 2006, 35, 44-58.	1.5	10
65	The Effects of Climatic Variability on Estimates of Recharge from Temperature Profiles. <i>Ground Water</i> , 2005, 43, 837-842.	0.7	50
66	Thermal sustainability of groundwater-source cooling in Winnipeg, Manitoba. <i>Canadian Geotechnical Journal</i> , 2005, 42, 1290-1301.	1.4	33
67	“Borehole temperatures, climate change and pre-observational surface air temperature mean: Allowance for hydraulic conditions” by Louise Bodri and Vladimir Cermak. <i>Global and Planetary Change</i> , 2005, 48, 313-314.	1.6	3
68	Long-term tracking of climate change by underground temperatures. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	44
69	Subsurface heat flow in an urban environment. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	106
70	Estimating Deep Recharge Rates Beneath an Interlobate Moraine Using Temperature Logs. <i>Ground Water</i> , 2003, 41, 640-646.	0.7	38
71	HISTORICAL AND ESTIMATED GROUND WATER LEVELS NEAR WINNIPEG, CANADA, AND THEIR SENSITIVITY TO CLIMATIC VARIABILITY. <i>Journal of the American Water Resources Association</i> , 2003, 39, 1249-1259.	1.0	34