

Haim Gvirtzman

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,922
citations

257450

24
h-index

254184

43
g-index

54
all docs

54
docs citations

54
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Holocene climates of the Near East deduced from Dead Sea level variations and modern regional winter rainfall. <i>Quaternary Research</i> , 2003, 60, 263-273.	1.7	274
2	Pore scale spatial analysis of two immiscible fluids in porous media. <i>Water Resources Research</i> , 1991, 27, 1165-1176.	4.2	138
3	The tectonic framework of a complex pull-apart basin: seismic reflection observations in the Sea of Galilee, Dead Sea transform. <i>Tectonophysics</i> , 2002, 359, 289-306.	2.2	86
4	Biased Monitoring of Fresh Water-Salt Water Mixing Zone in Coastal Aquifers. <i>Ground Water</i> , 2009, 47, 49-56.	1.3	82
5	Microscale chemical heterogeneity in groundwater. <i>Journal of Hydrology</i> , 1987, 92, 173-178.	5.4	75
6	Groundwater flow along and across structural folding: an example from the Judean Desert, Israel. <i>Journal of Hydrology</i> , 2005, 312, 51-69.	5.4	75
7	Anion exclusion during transport through the unsaturated zone. <i>Journal of Hydrology</i> , 1986, 87, 267-283.	5.4	72
8	Tide-induced fluctuations of salinity and groundwater level in unconfined aquifers – Field measurements and numerical model. <i>Journal of Hydrology</i> , 2017, 551, 665-675.	5.4	70
9	Investigation of Water Movement in the Unsaturated Zone Under an Irrigated Area Using Environmental Tritium. <i>Water Resources Research</i> , 1986, 22, 635-642.	4.2	65
10	Hydrogeological modeling of the saline hot springs at the Sea of Galilee, Israel. <i>Water Resources Research</i> , 1997, 33, 913-926.	4.2	63
11	Effects of Karst and geological structure on groundwater flow: The case of Yarqon-Taninim Aquifer, Israel. <i>Journal of Hydrology</i> , 2010, 389, 260-275.	5.4	63
12	Basin-scale migration of continental-rift brines: Paleohydrologic modeling of the Dead Sea basin. <i>Geology</i> , 1999, 27, 791.	4.4	55
13	Cross-formational rising groundwater at an artesian karstic basin: the Ayalon Saline Anomaly, Israel. <i>Journal of Hydrology</i> , 2006, 318, 316-333.	5.4	53
14	Deduction of groundwater flow regime in a basaltic aquifer using geochemical and isotopic data: The Golan Heights, Israel case study. <i>Journal of Hydrology</i> , 2006, 330, 506-524.	5.4	52
15	Large-scale infiltration experiments into unsaturated stratified loess sediments: Monitoring and modeling. <i>Journal of Hydrology</i> , 2008, 349, 214-229.	5.4	47
16	Thermal anomalies associated with forced and free ground-water convection in the Dead Sea rift valley. <i>Bulletin of the Geological Society of America</i> , 1997, 109, 1167-1176.	3.3	46
17	The concept of in-situ vapor stripping for removing VOCs from groundwater. <i>Transport in Porous Media</i> , 1992, 8, 71-92.	2.6	41
18	Spatial and Temporal Characteristics of Saline Springs: Sea of Galilee, Israel. <i>Ground Water</i> , 1999, 37, 663-673.	1.3	38

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19	Fluctuations of fresh-saline water interface and of water table induced by sea tides in unconfined aquifers. <i>Advances in Water Resources</i> , 2016, 96, 34-42.	3.8	38
20	Estimating Ground Water Recharge using Flow Models of Perched Karstic Aquifers. <i>Ground Water</i> , 2007, 45, 761-773.	1.3	37
21	Groundwater flow modeling of two-levels perched karstic leaking aquifers as a tool for estimating recharge and hydraulic parameters. <i>Journal of Hydrology</i> , 2010, 388, 13-27.	5.4	32
22	Reliable Monitoring of the Transition Zone Between Fresh and Saline Waters in Coastal Aquifers. <i>Ground Water Monitoring and Remediation</i> , 2013, 33, 101-110.	0.8	27
23	The hydrogeology of the Golan basalt aquifer, Israel. <i>Israel Journal of Earth Sciences</i> , 2003, 52, 139-153.	0.3	27
24	Saltwater circulation patterns within the freshwater-saltwater interface in coastal aquifers: Laboratory experiments and numerical modeling. <i>Journal of Hydrology</i> , 2015, 530, 734-741.	5.4	26
25	Transient groundwater-lake interactions in a continental rift: Sea of Galilee, Israel. <i>Bulletin of the Geological Society of America</i> , 2000, 112, 1694-1702.	3.3	26
26	Transient salt transport modeling of shallow brine beneath a freshwater lake, the Sea of Galilee, Israel. <i>Water Resources Research</i> , 2000, 36, 101-107.	4.2	24
27	Mass exchange between mobile freshwater and immobile saline water in the unsaturated zone. <i>Water Resources Research</i> , 1988, 24, 1638-1644.	4.2	23
28	Geophysical (Time Domain Electromagnetic Model) delineation of a shallow brine beneath a freshwater lake, the Sea of Galilee, Israel. <i>Water Resources Research</i> , 1999, 35, 3631-3638.	4.2	23
29	Spatial delineation of groundwater salinity using deep time domain electromagnetic geophysical measurements: A feasibility study. <i>Water Resources Research</i> , 2008, 44, .	4.2	21
30	Matrix and fissure water movement through unsaturated calcareous sandstone. <i>Transport in Porous Media</i> , 1988, 3, 343-356.	2.6	18
31	A Scanning Electron Microscopy study of water in soil. <i>Transport in Porous Media</i> , 1987, 2, 83.	2.6	17
32	Rainfall, spring discharge and past human occupancy in the Eastern Mediterranean. <i>Climatic Change</i> , 2012, 112, 769-789.	3.6	16
33	A 3-D hydrologic transport model of a water recharge system using carbamazepine and chloride as tracers. <i>Water Resources Research</i> , 2014, 50, 4220-4241.	4.2	15
34	Displacement of springs and changes in groundwater flow regime due to the extreme drop in adjacent lake levels: The Dead Sea rift. <i>Journal of Hydrology</i> , 2020, 587, 124928.	5.4	15
35	Laboratory-scale analysis of aquifer remediation by in-well vapor stripping 2. Modeling results. <i>Journal of Contaminant Hydrology</i> , 1997, 29, 41-58.	3.3	14
36	Laboratory-scale analysis of aquifer remediation by in-well vapor stripping 1. Laboratory results. <i>Journal of Contaminant Hydrology</i> , 1997, 29, 23-39.	3.3	14

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37	Capture and cleanup of a migrating VOC plume by the in-well vapor stripping: a sand tank experiment. <i>Journal of Contaminant Hydrology</i> , 2000, 43, 25-44.	3.3	14
38	Salt accumulation in the loessial sequence in the Be'er Sheva Basin, Israel. <i>Environmental Geology</i> (New York), 1988, 11, 27-33.	0.3	13
39	Flow dynamics and salt transport in a coastal aquifer driven by a stratified saltwater body: Lab experiment and numerical modeling. <i>Journal of Hydrology</i> , 2014, 511, 665-674.	5.4	13
40	Geochemical identification of fresh water sources in brackish groundwater mixtures; the example of Lake Kinneret (Sea of Galilee), Israel. <i>Chemical Geology</i> , 2005, 214, 45-59.	3.3	11
41	Feasibility Study of In-Well Vapor Stripping Using Airlift Pumping. <i>Ground Water Monitoring and Remediation</i> , 1995, 15, 155-162.	0.8	7
42	Groundwater hydrology and paleohydrology of the Dead Sea rift valley. , 2006, , .		7
43	Induced liquefaction experiment in relatively dense, clay-rich sand deposits. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	7
44	The Dynamics of Sea Tide-Induced Fluctuations of Groundwater Level and Freshwater-Saltwater Interface in Coastal Aquifers: Laboratory Experiments and Numerical Modeling. <i>Geofluids</i> , 2019, 2019, 1-9.	0.7	7
45	Harnessing Paleohydrologic Modeling to Solve a Prehistoric Mystery. <i>Scientific Reports</i> , 2019, 9, 16349.	3.3	7
46	The dynamic groundwater flow field at the central Yarqon-Taninim basin, Israel: A 3D geological-based numerical model. <i>Israel Journal of Earth Sciences</i> , 2009, 58, 99-111.	0.3	7
47	Optimal Remediation Scheme for a Wastewater Recharge Site: Contaminants Fate and Transport Model. <i>Ground Water</i> , 2018, 56, 871-880.	1.3	6
48	Identifying watershed-scale groundwater flow barriers: the Yoqne'am Fault in Israel. <i>Hydrogeology Journal</i> , 2013, 21, 1035-1051.	2.1	5
49	Three-dimensional configuration and dynamics of the fresh-saline water interface near two saline lakes with different levels (Middle East). <i>Hydrogeology Journal</i> , 2021, 29, 1785-1795.	2.1	3
50	Hydrogeophysical Case Studies at the Regional Scale. , 2005, , 361-389.		3
51	Evaluation of groundwater replenishment coefficients from the record of a borehole penetrating the unsaturated zone. <i>Water Resources Research</i> , 1989, 25, 973-978.	4.2	2
52	Industry-Driven versus Natural Groundwater Flow Regime at the Dead Sea Coastal Aquifer. <i>Water</i> (Switzerland), 2021, 13, 498.	2.7	1
53	Haline Convection within a Fresh-Saline Water Interface in a Stratified Coastal Aquifer Induced by Tide. <i>Water</i> (Switzerland), 2021, 13, 1780.	2.7	1
54	Dynamic Relationship Between the Sea and the Aquifer. <i>Springer Hydrogeology</i> , 2021, , 49-65.	0.3	0