Avner Vengosh

List of Publications by Year in Descending Order

175 papers	12,026 citations	60 h-index	106 g-index
181 ext. papers	13,786 ext. citations	7.1 avg, IF	6.66 L-index

#	Paper	IF	Citations
175	Legacy of anthropogenic lead in urban soils: Co-occurrence with metal(loids) and fallout radionuclides, isotopic fingerprinting, and in vitro bioaccessibility. *Science of the Total Environment*, **2022**, 806, 151276	10.2	1
174	The Sr isotope signature of Wuchiapingian semi-anthracites from Chongqing, southwestern China: Indication for hydrothermal effects. *Gondwana Research*, **2021**, 103, 522-522	5.1	0
173	A critical review on the occurrence and distribution of the uranium- and thorium-decay nuclides and their effect on the quality of groundwater. *Science of the Total Environment*, **2021**, 808, 151914	10.2	4
172	Is Food Irrigated with Oilfield-Produced Water in the California Central Valley Safe to Eat? A Probabilistic Human Health Risk Assessment Evaluating Trace Metals Exposure. *Risk Analysis*, **2021**, 41, 1463-1477	3.9	2
171	Evaluation and Integration of Geochemical Indicators for Detecting Trace Levels of Coal Fly Ash in Soils. *Environmental Science & Technology*, **2021**, 55, 10387-10397	10.3	3
170	Multiple geochemical and isotopic (Boron, Strontium, Carbon) indicators for reconstruction of the origin and evolution of oilfield water from Jiuquan Basin, Northwestern China. *Applied Geochemistry*, **2021**, 130, 104962	3.5	3
169	Geochemical evidence for fugitive gas contamination and associated water quality changes in drinking-water wells from Parker County, Texas. *Science of the Total Environment*, **2021**, 780, 146555	10.2	8
168	Global Biogeochemical Cycle of Lithium. *Global Biogeochemical Cycles*, **2021**, 35, e2021GB006999	5.9	1
167	The impact of using low-saline oilfield produced water for irrigation on water and soil quality in California. *Science of the Total Environment*, **2020**, 733, 139392	10.2	23
166	Recycling flowback water for hydraulic fracturing in Sichuan Basin, China: Implications for gas production, water footprint, and water quality of regenerated flowback water. *Fuel*, **2020**, 272, 117621	7.1	17
165	Factors Controlling the Risks of Co-occurrence of the Redox-Sensitive Elements of Arsenic, Chromium, Vanadium, and Uranium in Groundwater from the Eastern United States. *Environmental Science & Technology*, **2020**, 54, 4367-4375	10.3	19
164	Hydrochemistry of flowback water from Changning shale gas field and associated shallow groundwater in Southern Sichuan Basin, China: Implications for the possible impact of shale gas development on groundwater quality. *Science of the Total Environment*, **2020**, 713, 136591	10.2	11
163	Occurrence and distribution of hexavalent chromium in groundwater from North Carolina, USA. *Science of the Total Environment*, **2020**, 711, 135135	10.2	33
162	Global Biogeochemical Cycle of Fluorine. *Global Biogeochemical Cycles*, **2020**, 34, e2020GB006722	5.9	7
161	Endocrine disrupting activities and geochemistry of water resources associated with unconventional oil and gas activity. *Science of the Total Environment*, **2020**, 748, 142236	10.2	8
160	Distinction of strontium isotope ratios between water-soluble and bulk coal fly ash from the United States. *International Journal of Coal Geology*, **2020**, 222, 103464	5.5	9
159	High Hexavalent Chromium Concentration in Groundwater from a Deep Aquifer in the Baiyangdian Basin of the North China Plain. *Environmental Science & Technology*, **2020**, 54, 10068-10077	10.3	21

158	Assessment of inorganic contamination of private wells and demonstration of effective filter-based reduction: A pilot-study in Stokes County, North Carolina. *Environmental Research*, **2019**, 177, 108618	7.9	8
157	Disinfection Byproducts in Rajasthan, India: Are Trihalomethanes a Sufficient Indicator of Disinfection Byproduct Exposure in Low-Income Countries?. *Environmental Science & Technology*, **2019**, 53, 12007-12017	10.3	21
156	Accuracy of methods for reporting inorganic element concentrations and radioactivity in oil and gas wastewaters from the Appalachian Basin, U.S. based on an inter-laboratory comparison. *Environmental Sciences: Processes and Impacts*, **2019**, 21, 224-241	4.3	16
155	Occurrence and Sources of Radium in Groundwater Associated with Oil Fields in the Southern San Joaquin Valley, California. *Environmental Science & Technology*, **2019**, 53, 9398-9406	10.3	14
154	Evidence for unmonitored coal ash spills in Sutton Lake, North Carolina: Implications for contamination of lake ecosystems. *Science of the Total Environment*, **2019**, 686, 1090-1103	10.2	29
153	Co-occurrence of geogenic and anthropogenic contaminants in groundwater from Rajasthan, India. *Science of the Total Environment*, **2019**, 688, 1216-1227	10.2	42
152	Quantification of the water-use reduction associated with the transition from coal to natural gas in the US electricity sector. *Environmental Research Letters*, **2019**, 14, 124028	6.2	13
151	Cadmium exposure and methylation differences between Whites and African Americans in the NEST Cohort. *Environmental Epigenetics*, **2019**, 5, dvz014	2.4	5
150	Lead Isotopes as a New Tracer for Detecting Coal Fly Ash in the Environment. *Environmental Science and Technology Letters*, **2019**, 6, 714-719	11	11
149	Reply to Selin: Human impacts on the atmospheric burden of trace metals. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2668	11.5	
148	The water footprint of hydraulic fracturing in Sichuan Basin, China. *Science of the Total Environment*, **2018**, 630, 349-356	10.2	42
147	Pre-drill Groundwater Geochemistry in the Karoo Basin, South Africa. *Ground Water*, **2018**, 56, 187-203	2.4	17
146	Ranking Coal Ash Materials for Their Potential to Leach Arsenic and Selenium: Relative Importance of Ash Chemistry and Site Biogeochemistry. *Environmental Engineering Science*, **2018**, 35, 728-738	2	19
145	Hydrocarbon-Rich Groundwater above Shale-Gas Formations: A Karoo Basin Case Study. *Ground Water*, **2018**, 56, 204-224	2.4	18
144	Structural and Hydrogeological Controls on Hydrocarbon and Brine Migration into Drinking Water Aquifers in Southern New York. *Ground Water*, **2018**, 56, 225-244	2.4	25
143	Characterization of the boron, lithium, and strontium isotopic variations of oil sands process-affected water in Alberta, Canada. *Applied Geochemistry*, **2018**, 90, 50-62	3.5	10
142	Radium isotope response to aquifer storage and recovery in a sandstone aquifer. *Applied Geochemistry*, **2018**, 91, 54-63	3.5	3
141	Sources of Radium Accumulation in Stream Sediments near Disposal Sites in Pennsylvania: Implications for Disposal of Conventional Oil and Gas Wastewater. *Environmental Science & Technology*, **2018**, 52, 955-962	10.3	30

140	The intensification of the water footprint of hydraulic fracturing. *Science Advances*, **2018**, 4, eaar5982	14.3	97
139	Response to Comments on â□□arge-Scale Uranium Contamination of Groundwater Resources in Indiaâ□□*Environmental Science and Technology Letters*, **2018**, 5, 593-594	11	1
138	Origin of Flowback and Produced Waters from Sichuan Basin, China. *Environmental Science & Technology*, **2018**, 52, 14519-14527	10.3	19
137	Strontium Isotope Ratios in Fish Otoliths as Biogenic Tracers of Coal Combustion Residual Inputs to Freshwater Ecosystems. *Environmental Science and Technology Letters*, **2018**, 5, 718-723	11	6
136	Regional patterns in the geochemistry of oil-field water, southern San Joaquin Valley, California, USA. *Applied Geochemistry*, **2018**, 98, 127-140	3.5	25
135	Large-Scale Uranium Contamination of Groundwater Resources in India. *Environmental Science and Technology Letters*, **2018**, 5, 341-347	11	72
134	The Geochemistry of Hydraulic Fracturing Fluids. *Procedia Earth and Planetary Science*, **2017**, 17, 21-24		34
133	Biomarkers of chronic fluoride exposure in groundwater in a highly exposed population. *Science of the Total Environment*, **2017**, 596-597, 1-11	10.2	42
132	Regulated and unregulated halogenated disinfection byproduct formation from chlorination of saline groundwater. *Water Research*, **2017**, 122, 633-644	12.5	54
131	The geochemistry of naturally occurring methane and saline groundwater in an area of unconventional shale gas development. *Geochimica Et Cosmochimica Acta*, **2017**, 208, 302-334	5.5	91
130	Naturally Occurring versus Anthropogenic Sources of Elevated Molybdenum in Groundwater: Evidence for Geogenic Contamination from Southeast Wisconsin, United States. *Environmental Science & Technology*, **2017**, 51, 12190-12199	10.3	17
129	The Nexus of Energy and Water Quality **2017**,		1
128	Environmental and Human Impacts of Unconventional Energy Development. *Environmental Science & Technology*, **2017**, 51, 10271-10273	10.3	7
127	Global biogeochemical cycle of vanadium. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11092-E11100	11.5	99
126	Naturally Occurring Radioactive Materials in Uranium-Rich Coals and Associated Coal Combustion Residues from China. *Environmental Science & Technology*, **2017**, 51, 13487-13493	10.3	30
125	The origin of geothermal waters in Morocco: Multiple isotope tracers for delineating sources of water-rock interactions. *Applied Geochemistry*, **2017**, 84, 244-253	3.5	18
124	Debating Unconventional Energy: Social, Political, and Economic Implications. *Annual Review of Environment and Resources*, **2017**, 42, 241-266	17.2	29
123	Maternal blood cadmium, lead and arsenic levels, nutrient combinations, and offspring birthweight. *BMC Public Health*, **2017**, 17, 354	4.1	46

122	Quantity of flowback and produced waters from unconventional oil and gas exploration. *Science of the Total Environment*, **2017**, 574, 314-321	10.2	161
121	Origin of Hexavalent Chromium in Drinking Water Wells from the Piedmont Aquifers of North Carolina. *Environmental Science and Technology Letters*, **2016**, 3, 409-414	11	64
120	Global boron cycle in the Anthropocene. *Global Biogeochemical Cycles*, **2016**, 30, 219-230	5.9	26
119	Age Dating Oil and Gas Wastewater Spills Using Radium Isotopes and Their Decay Products in Impacted Soil and Sediment. *Environmental Science and Technology Letters*, **2016**, 3, 205-209	11	15
118	Evidence for Coal Ash Ponds Leaking in the Southeastern United States. *Environmental Science & Technology*, **2016**, 50, 6583-92	10.3	65
117	Leaching potential and redox transformations of arsenic and selenium in sediment microcosms with fly ash. *Applied Geochemistry*, **2016**, 67, 177-185	3.5	33
116	Water Availability for Shale Gas Development in Sichuan Basin, China. *Environmental Science & Technology*, **2016**, 50, 2837-45	10.3	47
115	Brine Spills Associated with Unconventional Oil Development in North Dakota. *Environmental Science & Technology*, **2016**, 50, 5389-97	10.3	164
114	Impacts of coal ash on methylmercury production and the methylating microbial community in anaerobic sediment slurries. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 1427-1439	4.3	10
113	Comment on the German draft legislation on hydraulic fracturing: the need for an accurate state of knowledge and for independent scientific research. *Environmental Science & Technology*, **2015**, 49, 6367-9	10.3	6
112	Water Footprint of Hydraulic Fracturing. *Environmental Science and Technology Letters*, **2015**, 2, 276-280	11	170
111	Maternal cadmium, iron and zinc levels, DNA methylation and birth weight. *BMC Pharmacology & Toxicology*, **2015**, 16, 20	2.6	72
110	Isotopic Fingerprints for Delineating the Environmental Effects of Hydraulic Fracturing Fluids. *Procedia Earth and Planetary Science*, **2015**, 13, 244-247		13
109	Assessment of Groundwater Salinity Mechanisms in the Coastal Aquifer of El Haouaria, Northern Tunisia. *Procedia Earth and Planetary Science*, **2015**, 13, 194-198		5
108	Elevated levels of diesel range organic compounds in groundwater near Marcellus gas operations are derived from surface activities. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13184-9	11.5	101
107	Lithium Isotope Fingerprints in Coal and Coal Combustion Residuals from the United States. *Procedia Earth and Planetary Science*, **2015**, 13, 134-137		8
106	Naturally Occurring Radioactive Materials in Coals and Coal Combustion Residuals in the United States. *Environmental Science & Technology*, **2015**, 49, 11227-33	10.3	54
105	Elucidating the sources and mechanisms of groundwater salinization in the Ziz Basin of southeastern Morocco. *Environmental Earth Sciences*, **2015**, 73, 77-93	2.9	16

104	Modeling the Recharge and the Renewal Rate Based on 3H and 14C Isotopes in the Coastal Aquifer of El Haouaria, Northern Tunisia. *Procedia Earth and Planetary Science*, **2015**, 13, 199-202		2
103	O, H, CDIC, Sr, B and 14C Isotope Fingerprinting of Deep Groundwaters in the Karoo Basin, South Africa as a Precursor to Shale Gas Exploration. *Procedia Earth and Planetary Science*, **2015**, 13, 211-214		3
102	The evolution of Devonian hydrocarbon gases in shallow aquifers of the northern Appalachian Basin: Insights from integrating noble gas and hydrocarbon geochemistry. *Geochimica Et Cosmochimica Acta*, **2015**, 170, 321-355	5.5	83
101	Characterisation of Radon Concentrations in Karoo Groundwater, South Africa, as a Prelude to Potential Shale-gas Development. *Procedia Earth and Planetary Science*, **2015**, 13, 269-272		2
100	Geographic clustering of elevated blood heavy metal levels in pregnant women. *BMC Public Health*, **2015**, 15, 1035	4.1	18
99	Pre-drilling background groundwater quality in the Deep River Triassic Basin of central North Carolina, USA. *Applied Geochemistry*, **2015**, 60, 3-13	3.5	9
98	Potential impacts of hydraulic fracturing for oil and gas on drinking water resources. *Ground Water*, **2015**, 53, 19-21	2.4	7
97	Direct measurement of the boron isotope fractionation factor: Reducing the uncertainty in reconstructing ocean paleo-pH. *Earth and Planetary Science Letters*, **2015**, 414, 1-5	5.3	46
96	Iodide, bromide, and ammonium in hydraulic fracturing and oil and gas wastewaters: environmental implications. *Environmental Science & Technology*, **2015**, 49, 1955-63	10.3	177
95	Arsenic exposure to drinking water in the Mekong Delta. *Science of the Total Environment*, **2015**, 511, 544-52	10.2	25
94	Noble gases: a new technique for fugitive gas investigation in groundwater. *Ground Water*, **2015**, 53, 23-8	2.4	6
93	Salinization and Saline Environments **2014**, 325-378		35
92	A review of the health impacts of barium from natural and anthropogenic exposure. *Environmental Geochemistry and Health*, **2014**, 36, 797-814	4.7	136
91	New tracers identify hydraulic fracturing fluids and accidental releases from oil and gas operations. *Environmental Science & Technology*, **2014**, 48, 12552-60	10.3	100
90	Boron isotopic geochemistry of the McMurdo Dry Valley lakes, Antarctica. *Chemical Geology*, **2014**, 386, 152-164	4.2	9
89	Response to Comment on "High naturally occurring radioactivity in fossil groundwater from the Middle East". *Environmental Science & Technology*, **2014**, 48, 9946-7	10.3	1
88	Enhanced formation of disinfection byproducts in shale gas wastewater-impacted drinking water supplies. *Environmental Science & Technology*, **2014**, 48, 11161-9	10.3	133
87	Fluoride exposure from groundwater as reflected by urinary fluoride and children's dental fluorosis in the Main Ethiopian Rift Valley. *Science of the Total Environment*, **2014**, 496, 188-197	10.2	42

86	The Environmental Costs and Benefits of Fracking. *Annual Review of Environment and Resources*, **2014**, 39, 327-362	17.2	274
85	A critical review of the risks to water resources from unconventional shale gas development and hydraulic fracturing in the United States. *Environmental Science & Technology*, **2014**, 48, 8334-48	10.3	952
84	Radium and barium removal through blending hydraulic fracturing fluids with acid mine drainage. *Environmental Science & Technology*, **2014**, 48, 1334-42	10.3	65
83	Noble gases identify the mechanisms of fugitive gas contamination in drinking-water wells overlying the Marcellus and Barnett Shales. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 14076-81	11.5	309
82	Arsenic exposure of rural populations from the Rift Valley of Ethiopia as monitored by keratin in toenails. *Journal of Exposure Science and Environmental Epidemiology*, **2014**, 24, 121-6	6.7	15
81	Boron and strontium isotopic characterization of coal combustion residuals: validation of new environmental tracers. *Environmental Science & Technology*, **2014**, 48, 14790-8	10.3	39
80	The effect of non-fluoride factors on risk of dental fluorosis: evidence from rural populations of the Main Ethiopian Rift. *Science of the Total Environment*, **2014**, 488-489, 595-606	10.2	22
79	Mobilization of arsenic and other naturally occurring contaminants in groundwater of the Main Ethiopian Rift aquifers. *Water Research*, **2013**, 47, 5801-18	12.5	75
78	Impacts of shale gas wastewater disposal on water quality in western Pennsylvania. *Environmental Science & Technology*, **2013**, 47, 11849-57	10.3	371
77	Integration of geochemical and isotopic tracers for elucidating water sources and salinization of shallow aquifers in the sub-Saharan Dr Basin, Morocco. *Applied Geochemistry*, **2013**, 34, 140-151	3.5	39
76	Increased stray gas abundance in a subset of drinking water wells near Marcellus shale gas extraction. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11250-5	11.5	389
75	Occurrence and mobilization of radium in fresh to saline coastal groundwater inferred from geochemical and isotopic tracers (Sr, S, O, H, Ra, Rn). *Applied Geochemistry*, **2013**, 38, 161-175	3.5	60
74	Selenium speciation in coal ash spilled at the Tennessee Valley Authority Kingston site. *Environmental Science & Technology*, **2013**, 47, 14001-9	10.3	39
73	Isotopic imprints of mountaintop mining contaminants. *Environmental Science & Technology*, **2013**, 47, 10041-8	10.3	29
72	Geochemical and isotopic variations in shallow groundwater in areas of the Fayetteville Shale development, north-central Arkansas. *Applied Geochemistry*, **2013**, 35, 207-220	3.5	116
71	Interlaboratory comparison of boron isotope analyses of boric acid, seawater and marine CaCO3 by MC-ICPMS and NTIMS. *Chemical Geology*, **2013**, 358, 1-14	4.2	98
70	The Effects of Shale Gas Exploration and Hydraulic Fracturing on the Quality of Water Resources in the United States. *Procedia Earth and Planetary Science*, **2013**, 7, 863-866		156
69	Environmental impacts of the Tennessee Valley Authority Kingston coal ash spill. 2. Effect of coal ash on methylmercury in historically contaminated river sediments. *Environmental Science & Technology*, **2013**, 47, 2100-8	10.3	28

68	Environmental impacts of the Tennessee Valley Authority Kingston coal ash spill. 1. Source apportionment using mercury stable isotopes. *Environmental Science & Technology*, **2013**, 47, 2092-9	10.3	52
67	Geochemical and isotopic (oxygen, hydrogen, carbon, strontium) constraints for the origin, salinity, and residence time of groundwater from a carbonate aquifer in the Western Anti-Atlas Mountains, Morocco. *Journal of Hydrology*, **2012**, 438-439, 97-111	6	47
66	The impact of coal combustion residue effluent on water resources: a North Carolina example. *Environmental Science & Technology*, **2012**, 46, 12226-33	10.3	73
65	Implications of carbonate-like geochemical signatures in a sandstone aquifer: Radium and strontium isotopes in the Cambrian Jordan aquifer (Minnesota, USA). *Chemical Geology*, **2012**, 334, 280-294	4.2	25
64	Groundwater quality and its health impact: An assessment of dental fluorosis in rural inhabitants of the Main Ethiopian Rift. *Environment International*, **2012**, 43, 37-47	12.9	114
63	Reply to Engelder: Potential for fluid migration from the Marcellus Formation remains possible. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E3626-E3626	11.5	15
62	Geochemical evidence for possible natural migration of Marcellus Formation brine to shallow aquifers in Pennsylvania. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11961-6	11.5	363
61	Arsenic and other oxyanion-forming trace elements in an alluvial basin aquifer: Evaluating sources and mobilization by isotopic tracers (Sr, B, S, O, H, Ra). *Applied Geochemistry*, **2011**, 26, 1364-1376	3.5	20
60	Climate change, water resources, and the politics of adaptation in the Middle East and North Africa. *Climatic Change*, **2011**, 104, 599-627	4.5	220
59	Evaluating salinity sources of groundwater and implications for sustainable reverse osmosis desalination in coastal North Carolina, USA. *Hydrogeology Journal*, **2011**, 19, 981-994	3.1	9
58	Methane contamination of drinking water accompanying gas-well drilling and hydraulic fracturing. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 8172-6	11.5	855
57	Reply to Davies: Hydraulic fracturing remains a possible mechanism for observed methane contamination of drinking water. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E872-E872	11.5	9
56	Reply to Saba and Orzechowski and Schon: Methane contamination of drinking water accompanying gas-well drilling and hydraulic fracturing. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E665-E666	11.5	31
55	Cumulative impacts of mountaintop mining on an Appalachian watershed. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 20929-34	11.5	180
54	The Effectiveness of Arsenic Remediation from Groundwater in a Private Home. *Ground Water Monitoring and Remediation*, **2010**, 30, 87-93	1.4	10
53	Environmental impacts of the coal ash spill in Kingston, Tennessee: an 18-month survey. *Environmental Science & Technology*, **2010**, 44, 9272-8	10.3	115
52	Origin and residence time of groundwater in the Tadla basin (Morocco) using multiple isotopic and geochemical tools. *Journal of Hydrology*, **2009**, 379, 323-338	6	73
51	High naturally occurring radioactivity in fossil groundwater from the Middle East. *Environmental Science & Technology*, **2009**, 43, 1769-75	10.3	69

50	Relationships between radium and radon occurrence and hydrochemistry in fresh groundwater from fractured crystalline rocks, North Carolina (USA). *Chemical Geology*, **2009**, 260, 159-171	4.2	91
49	Survey of the potential environmental and health impacts in the immediate aftermath of the coal ash spill in Kingston, Tennessee. *Environmental Science & Technology*, **2009**, 43, 6326-33	10.3	128
48	Quantifying saline groundwater flow into a freshwater lake using the Ra isotope quartet: A case study from the Sea of Galilee (Lake Kinneret), Israel. *Limnology and Oceanography*, **2009**, 54, 119-131	4.8	7
47	Application of multiple isotopic and geochemical tracers for investigation of recharge, salinization, and residence time of water in the SoussâMassa aquifer, southwest of Morocco. *Journal of Hydrology*, **2008**, 352, 267-287	6	191
46	Radon transfer from groundwater used in showers to indoor air. *Applied Geochemistry*, **2008**, 23, 2676-2685	3.3	17
45	Isotope and ion selectivity in reverse osmosis desalination: geochemical tracers for man-made freshwater. *Environmental Science & Technology*, **2008**, 42, 4723-31	10.3	35
44	The geochemistry of groundwater resources in the Jordan Valley: The impact of the Rift Valley brines. *Applied Geochemistry*, **2007**, 22, 494-514	3.5	30
43	New isotopic evidence for the origin of groundwater from the Nubian Sandstone Aquifer in the Negev, Israel. *Applied Geochemistry*, **2007**, 22, 1052-1073	3.5	59
42	The impact of freshwater and wastewater irrigation on the chemistry of shallow groundwater: a case study from the Israeli Coastal Aquifer. *Journal of Hydrology*, **2005**, 300, 314-331	6	123
41	Management scenarios for the Jordan River salinity crisis. *Applied Geochemistry*, **2005**, 20, 2138-2153	3.5	15
40	Sources of salinity and boron in the Gaza strip: Natural contaminant flow in the southern Mediterranean coastal aquifer. *Water Resources Research*, **2005**, 41,	5.4	93
39	The water crisis in the gaza strip: prospects for resolution. *Ground Water*, **2005**, 43, 653-60	2.4	37
38	The EU Drinking Water Directive: the boron standard and scientific uncertainty. *Environmental Policy and Governance*, **2005**, 15, 1-12		51
37	Quantifying ground water inputs along the Lower Jordan River. *Journal of Environmental Quality*, **2005**, 34, 897-906	3.4	23
36	Sources and transformations of nitrogen compounds along the Lower Jordan River. *Journal of Environmental Quality*, **2004**, 33, 1440-51	3.4	18
35	A new methodology for removal of boron from water by coal and fly ash. *Desalination*, **2004**, 164, 173-188	10.3	110
34	The origin and mechanisms of salinization of the lower Jordan river. *Geochimica Et Cosmochimica Acta*, **2004**, 68, 1989-2006	5.5	84
33	Salinization and Saline Environments **2003**, 1-35		35

32	Reply to the comment on â€Geochemical constraints for the origin of thermal waters from western Turkeyâ€by Umran Serpen and Tahir Ã‡. *Applied Geochemistry*, **2003**, 18, 1117-1119	3.5	2
31	A multi-isotope (B, Sr, O, H, and C) and age dating (3Hâ€3He and 14C) study of groundwater from Salinas Valley, California: Hydrochemistry, dynamics, and contamination processes. *Water Resources Research*, **2002**, 38, 9-1-9-17	5.4	132
30	Geochemical constraints for the origin of thermal waters from western Turkey. *Applied Geochemistry*, **2002**, 17, 163-183	3.5	128
29	Water Sources and Quality along the Lower Jordan River, Regional Study **2002**, 127-148		3
28	Radiocarbon in Seawater Intruding into the Israeli Mediterranean Coastal Aquifer. *Radiocarbon*, **2001**, 43, 773-781	4.6	28
27	Sources of salinity in ground water from Jericho area, Jordan Valley. *Ground Water*, **2001**, 39, 240-8	2.4	60
26	Chloride-bromide-δ11B systematics of a thick clay-rich aquitard system. *Water Resources Research*, **2001**, 37, 1437-1444	5.4	15
25	New evidence for the origin of hypersaline pore fluids in the Mediterranean basin. *Chemical Geology*, **2000**, 163, 287-298	4.2	22
24	δ11B, Rare Earth Elements, δ37Cl, 32Si, 35S, 129I **2000**, 479-510		3
23	Boron Isotopic Composition of Freshwater Lakes from Central Europe and Possible Contamination Sources. *Clean - Soil, Air, Water*, **1999**, 27, 416-421		39
22	Geochemical Investigations. *Theory and Applications of Transport in Porous Media*, **1999**, 51-71	0.4	86
21	Geochemical and boron, strontium, and oxygen isotopic constraints on the origin of the salinity in groundwater from the Mediterranean Coast of Israel. *Water Resources Research*, **1999**, 35, 1877-1894	5.4	181
20	Chloride/Bromide and Chloride/Fluoride Ratios of Domestic Sewage Effluents and Associated Contaminated Ground Water. *Ground Water*, **1998**, 36, 815-824	2.4	132
19	The isotopic composition of anthropogenic boron and its potential impact on the environment. *Biological Trace Element Research*, **1998**, 66, 145-51	4.5	16
18	Boron isotope and geochemical evidence for the origin of Urania and Bannock brines at the eastern Mediterranean: effect of water-rock interactions. *Geochimica Et Cosmochimica Acta*, **1998**, 62, 3221-3228	5.5	60
17	Chemical modifications of groundwater contaminated by recharge of treated sewage effluent. *Journal of Contaminant Hydrology*, **1996**, 23, 347-360	3.9	63
16	Determination of boron isotopic variations in aquatic systems with negative thermal ionization mass spectrometry as a tracer for anthropogenic influences. *Analytical and Bioanalytical Chemistry*, **1996**, 354, 903-9	4.4	14
15	Chemical and boron isotope compositions of non-marine brines from the Qaidam Basin, Qinghai, China. *Chemical Geology*, **1995**, 120, 135-154	4.2	89

14	Recent developments in thermal ionization mass spectrometric techniques for isotope analysis. A review. *Analyst, The*, **1995**, 120, 1291	5	63
13	The origin of Mediterranean interstitial watersâ€”relics of ancient Miocene brines: A re-evaluation. *Earth and Planetary Science Letters*, **1994**, 121, 613-627	5.3	21
12	Boron isotope geochemistry of thermal springs from the northern Rift Valley, Israel. *Journal of Hydrology*, **1994**, 162, 155-169	6	28
11	Formation of a salt plume in the Coastal Plain aquifer of Israel: the Be'er Toviyya region. *Journal of Hydrology*, **1994**, 160, 21-52	6	51
10	Saline groundwater in Israel: its bearing on the water crisis in the country. *Journal of Hydrology*, **1994**, 156, 389-430	6	176
9	Boron isotope application for tracing sources of contamination in groundwater. *Environmental Science & Technology*, **1994**, 28, 1968-74	10.3	246
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