Avner Vengosh

List of Publications by Year
in descending order

180 papers	15,213 citations	15504 65 h-index	19190 118 g-index
181 all docs	181 docs citations	181 times ranked	11132 citing authors

#	Article	IF	Citations
1	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, 8334-8348.	10.0	1,217
2	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, 8172-8176.	7.1	1,027
3	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, 11250-11255.	7.1	483
4	Impacts of Shale Gas Wastewater Disposal on Water Quality in Western Pennsylvania. Environmental Science & Technology, 2013, 47, 11849-11857.	10.0	466
5	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, 11961-11966.	7.1	442
6	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, 14076-14081.	7.1	401
7	The Environmental Costs and Benefits of Fracking. Annual Review of Environment and Resources, 2014, 39, 327-362.	13.4	350
8	Climate change, water resources, and the politics of adaptation in the Middle East and North Africa. Climatic Change, 2011, 104, 599-627.	3.6	296
9	Boron Isotope Application for Tracing Sources of Contamination in Groundwater. Environmental Science & Technology, 1994, 28, 1968-1974.	10.0	272
10	Coprecipitation and isotopic fractionation of boron in modern biogenic carbonates. Geochimica Et Cosmochimica Acta, 1991, 55, 2901-2910.	3.9	256
11	Quantity of flowback and produced waters from unconventional oil and gas exploration. Science of the Total Environment, 2017, 574, 314-321.	8.0	230
12	Application of multiple isotopic and geochemical tracers for investigation of recharge, salinization, and residence time of water in the Soussâ€“Massa aquifer, southwest of Morocco. Journal of Hydrology, 2008, 352, 267-287.	5.4	225
13	Cumulative impacts of mountaintop mining on an Appalachian watershed. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20929-20934.	7.1	221
14	A review of the health impacts of barium from natural and anthropogenic exposure. Environmental Geochemistry and Health, 2014, 36, 797-814.	3.4	221
15	Water Footprint of Hydraulic Fracturing. Environmental Science and Technology Letters, 2015, 2, 276-280.	8.7	216
16	Iodide, Bromide, and Ammonium in Hydraulic Fracturing and Oil and Gas Wastewaters: Environmental Implications. Environmental Science & Technology, 2015, 49, 1955-1963.	10.0	215
17	Saline groundwater in Israel: its bearing on the water crisis in the country. Journal of Hydrology, 1994, 156, 389-430.	5.4	212
18	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.	4.2	210

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19	Brine Spills Associated with Unconventional Oil Development in North Dakota. Environmental Science & Technology, 2016, 50, 5389-5397.	10.0	204
20	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.	0.6	181
21	Global biogeochemical cycle of vanadium. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11092-E11100.	7.1	166
22	The intensification of the water footprint of hydraulic fracturing. Science Advances, 2018, 4, eaar5982.	10.3	159
23	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, 6326-6333.	10.0	157
24	Enhanced Formation of Disinfection Byproducts in Shale Gas Wastewater-Impacted Drinking Water Supplies. Environmental Science & Technology, 2014, 48, 11161-11169.	10.0	157
25	A multi-isotope (B, Sr, O, H, and C) and age dating (3H-3He and14C) study of groundwater from Salinas Valley, California: Hydrochemistry, dynamics, and contamination processes. Water Resources Research, 2002, 38, 9-1-9-17.	4.2	156
26	Chloride/Bromide and Chloride/Fluoride Ratios of Domestic Sewage Effluents and Associated Contaminated Ground Water. Ground Water, 1998, 36, 815-824.	1.3	153
27	Geochemical constraints for the origin of thermal waters from western Turkey. Applied Geochemistry, 2002, 17, 163-183.	3.0	151
28	Boron isotope variations during fractional evaporation of sea water: New constraints on the marine vs. nonmarine debate. Geology, 1992, 20, 799.	4.4	147
29	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.	5.4	145
30	Boron isotope geochemistry as a tracer for the evolution of brines and associated hot springs from the Dead Sea, Israel. Geochimica Et Cosmochimica Acta, 1991, 55, 1689-1695.	3.9	139
31	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.	10.0	139
32	Large-Scale Uranium Contamination of Groundwater Resources in India. Environmental Science and Technology Letters, 2018, 5, 341-347.	8.7	139
33	Environmental Impacts of the Coal Ash Spill in Kingston, Tennessee: An 18-Month Survey. Environmental Science & Technology, 2010, 44, 9272-9278.	10.0	137
34	New Tracers Identify Hydraulic Fracturing Fluids and Accidental Releases from Oil and Gas Operations. Environmental Science & Technology, 2014, 48, 12552-12560.	10.0	136
35	Geochemical and isotopic variations in shallow groundwater in areas of the Fayetteville Shale development, north-central Arkansas. Applied Geochemistry, 2013, 35, 207-220.	3.0	134
36	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, 13184-13189.	7.1	130

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37	Boron isotope geochemistry of Australian salt lakes. Geochimica Et Cosmochimica Acta, 1991, 55, 2591-2606.	3.9	129
38	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.	3.9	121
39	A new methodology for removal of boron from water by coal and fly ash. Desalination, 2004, 164, 173-188.	8.2	119
40	Sources of salinity and boron in the Gaza strip: Natural contaminant flow in the southern Mediterranean coastal aquifer. Water Resources Research, 2005, 41, .	4.2	115
41	Interlaboratory comparison of boron isotope analyses of boric acid, seawater and marine CaCO3 by MC-ICPMS and NTIMS. Chemical Geology, 2013, 358, 1-14.	3.3	112
42	Chemical and boron isotope compositions of non-marine brines from the Qaidam Basin, Qinghai, China. Chemical Geology, 1995, 120, 135-154.	3.3	110
43	Relationships between radium and radon occurrence and hydrochemistry in fresh groundwater from fractured crystalline rocks, North Carolina (USA). Chemical Geology, 2009, 260, 159-171.	3.3	110
44	Mobilization of arsenic and other naturally occurring contaminants in groundwater of the Main Ethiopian Rift aquifers. Water Research, 2013, 47, 5801-5818.	11.3	106
45	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.	3.9	103
46	Geochemical Investigations. Theory and Applications of Transport in Porous Media, 1999, , 51-71.	0.4	97
47	Maternal cadmium, iron and zinc levels, DNA methylation and birth weight. BMC Pharmacology & Toxicology, 2015, 16, 20.	2.4	95
48	Origin and residence time of groundwater in the Tadla basin (Morocco) using multiple isotopic and geochemical tools. Journal of Hydrology, 2009, 379, 323-338.	5.4	90
49	The origin and mechanisms of salinization of the lower Jordan river. Geochimica Et Cosmochimica Acta, 2004, 68, 1989-2006.	3.9	89
50	Origin of Hexavalent Chromium in Drinking Water Wells from the Piedmont Aquifers of North Carolina. Environmental Science and Technology Letters, 2016, 3, 409-414.	8.7	87
51	The Impact of Coal Combustion Residue Effluent on Water Resources: A North Carolina Example. Environmental Science & Technology, 2012, 46, 12226-12233.	10.0	85
52	Evidence for Coal Ash Ponds Leaking in the Southeastern United States. Environmental Science & Technology, 2016, 50, 6583-6592.	10.0	85
53	High Naturally Occurring Radioactivity in Fossil Groundwater from the Middle East. Environmental Science & Technology, 2009, 43, 1769-1775.	10.0	82
54	Radium and Barium Removal through Blending Hydraulic Fracturing Fluids with Acid Mine Drainage. Environmental Science & Technology, 2014, 48, 1334-1342.	10.0	82

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55	Regulated and unregulated halogenated disinfection byproduct formation from chlorination of saline groundwater. Water Research, 2017, 122, 633-644.	11.3	80
56	Sources of Salinity in Ground Water from Jericho Area, Jordan Valley. Ground Water, 2001, 39, 240-248.	1.3	79
57	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.	3.0	78
58	Recent developments in thermal ionization mass spectrometric techniques for isotope analysis. A review. Analyst, The, 1995, 120, 1291.	3.5	77
59	Chemical modifications of groundwater contaminated by recharge of treated sewage effluent. Journal of Contaminant Hydrology, 1996, 23, 347-360.	3.3	74
60	Co-occurrence of geogenic and anthropogenic contaminants in groundwater from Rajasthan, India. Science of the Total Environment, 2019, 688, 1216-1227.	8.0	73
61	New isotopic evidence for the origin of groundwater from the Nubian Sandstone Aquifer in the Negev, Israel. Applied Geochemistry, 2007, 22, 1052-1073.	3.0	72
62	Naturally Occurring Radioactive Materials in Coals and Coal Combustion Residuals in the United States. Environmental Science & Technology, 2015, 49, 11227-11233.	10.0	71
63	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.	3.9	70
64	Environmental Impacts of the Tennessee Valley Authority Kingston Coal Ash Spill. 1. Source Apportionment Using Mercury Stable Isotopes. Environmental Science & Technology, 2013, 47, 2092-2099.	10.0	69
65	Maternal blood cadmium, lead and arsenic levels, nutrient combinations, and offspring birthweight. BMC Public Health, 2017, 17, 354.	2.9	69
66	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.	4.4	66
67	The water footprint of hydraulic fracturing in Sichuan Basin, China. Science of the Total Environment, 2018, 630, 349-356.	8.0	61
68	Occurrence and distribution of hexavalent chromium in groundwater from North Carolina, USA. Science of the Total Environment, 2020, 711, 135135.	8.0	61
69	The EU Drinking Water Directive: the boron standard and scientific uncertainty. Environmental Policy and Governance, 2005, 15, 1-12.	0.3	59
70	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.	5.4	56
71	Water Availability for Shale Gas Development in Sichuan Basin, China. Environmental Science & Technology, 2016, 50, 2837-2845.	10.0	56
72	Formation of a salt plume in the Coastal Plain aquifer of Israel: the Be'er Toviyya region. Journal of Hydrology, 1994, 160, 21-52.	5.4	55

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73	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, 903-909.	3.7	52
74	Integration of geochemical and isotopic tracers for elucidating water sources and salinization of shallow aquifers in the sub-Saharan DrÃ¢a Basin, Morocco. Applied Geochemistry, 2013, 34, 140-151.	3.0	52
75	Biomarkers of chronic fluoride exposure in groundwater in a highly exposed population. Science of the Total Environment, 2017, 596-597, 1-11.	8.0	52
76	The Geochemistry of Hydraulic Fracturing Fluids. Procedia Earth and Planetary Science, 2017, 17, 21-24.	0.6	51
77	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.	6.4	51
78	Direct determination of boron and chlorine isotopic compositions in geological materials by negative thermal-ionization mass spectrometry. Chemical Geology: Isotope Geoscience Section, 1989, 79, 333-343.	0.6	50
79	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.	8.0	50
80	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.	10.0	50
81	Salinization and Saline Environments. , 2014, , 325-378.		49
82	Boron and Strontium Isotopic Characterization of Coal Combustion Residuals: Validation of New Environmental Tracers. Environmental Science & Technology, 2014, 48, 14790-14798.	10.0	47
83	The Water Crisis in the Gaza Strip: Prospects for Resolution. Ground Water, 2005, 43, 653-660.	1.3	46
84	Origin of Flowback and Produced Waters from Sichuan Basin, China. Environmental Science & Technology, 2018, 52, 14519-14527.	10.0	46
85	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.	10.0	46
86	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.	10.0	45
87	Boron Isotopic Composition of Freshwater Lakes from Central Europe and Possible Contamination Sources. Clean - Soil, Air, Water, 1999, 27, 416-421.	0.6	44
88	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.	8.0	44
89	Selenium Speciation in Coal Ash Spilled at the Tennessee Valley Authority Kingston Site. Environmental Science & Technology, 2013, 47, 14001-14009.	10.0	43
90	Leaching potential and redox transformations of arsenic and selenium in sediment microcosms with fly ash. Applied Geochemistry, 2016, 67, 177-185.	3.0	43

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91	Regional patterns in the geochemistry of oil-field water, southern San Joaquin Valley, California, USA. Applied Geochemistry, 2018, 98, 127-140.	3.0	42
92	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, 2022, 808, 151914.	8.0	42
93	Naturally Occurring Radioactive Materials in Uranium-Rich Coals and Associated Coal Combustion Residues from China. Environmental Science & Technology, 2017, 51, 13487-13493.	10.0	41
94	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.	8.0	40
95	Salinization and Saline Environments. , 2003, , 1-35.		38
96	Isotope and Ion Selectivity in Reverse Osmosis Desalination: Geochemical Tracers for Man-made Freshwater. Environmental Science & Technology, 2008, 42, 4723-4731.	10.0	38
97	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.	7.1	37
98	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.	10.0	36
99	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.	1.6	35
100	Boron isotope geochemistry of thermal springs from the northern Rift Valley, Israel. Journal of Hydrology, 1994, 162, 155-169.	5.4	34
101	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, 2100-2108.	10.0	34
102	Global boron cycle in the Anthropocene. Global Biogeochemical Cycles, 2016, 30, 219-230.	4.9	34
103	The geochemistry of groundwater resources in the Jordan Valley: The impact of the Rift Valley brines. Applied Geochemistry, 2007, 22, 494-514.	3.0	33
104	Debating Unconventional Energy: Social, Political, and Economic Implications. Annual Review of Environment and Resources, 2017, 42, 241-266.	13.4	33
105	Radiocarbon in Seawater Intruding into the Israeli Mediterranean Coastal Aquifer. Radiocarbon, 2001, 43, 773-781.	1.8	32
106	Isotopic Imprints of Mountaintop Mining Contaminants. Environmental Science & Technology, 2013, 47, 10041-10048.	10.0	32
107	Structural and Hydrogeological Controls on Hydrocarbon and Brine Migration into Drinking Water Aquifers in Southern New York. Ground Water, 2018, 56, 225-244.	1.3	31
108	Geographic clustering of elevated blood heavy metal levels in pregnant women. BMC Public Health, 2015, 15, 1035.	2.9	30

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109	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.	10.0	30
110	The isotopic composition of anthropogenic boron and its potential impact on the environment. Biological Trace Element Research, 1998, 66, 145-151.	3.5	29
111	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.	3.3	29
112	Arsenic exposure to drinking water in the Mekong Delta. Science of the Total Environment, 2015, 511, 544-552.	8.0	29
113	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.	8.0	28
114	Relics of evaporated sea water in deep basins of the Eastern Mediterranean. Marine Geology, 1993, 115, 15-19.	2.1	26
115	The origin of Mediterranean interstitial watersâ€"relics of ancient Miocene brines: A re-evaluation. Earth and Planetary Science Letters, 1994, 121, 613-627.	4.4	26
116	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.	3.0	26
117	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.	8.0	26
118	Global Biogeochemical Cycle of Fluorine. Global Biogeochemical Cycles, 2020, 34, e2020GB006722.	4.9	25
119	New evidence for the origin of hypersaline pore fluids in the Mediterranean basin. Chemical Geology, 2000, 163, 287-298.	3.3	24
120	Quantifying Ground Water Inputs along the Lower Jordan River. Journal of Environmental Quality, 2005, 34, 897-906.	2.0	24
121	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.	8.7	23
122	The origin of geothermal waters in Morocco: Multiple isotope tracers for delineating sources of water-rock interactions. Applied Geochemistry, 2017, 84, 244-253.	3.0	23
123	Hydrocarbonâ€Rich Groundwater above Shaleâ€Gas Formations: A Karoo Basin Case Study. Ground Water, 2018, 56, 204-224.	1.3	23
124	Radon transfer from groundwater used in showers to indoor air. Applied Geochemistry, 2008, 23, 2676-2685.	3.0	22
125	Elucidating the sources and mechanisms of groundwater salinization in the Ziz Basin of southeastern Morocco. Environmental Earth Sciences, 2015, 73, 77-93.	2.7	22
126	Sources and Transformations of Nitrogen Compounds along the Lower Jordan River. Journal of Environmental Quality, 2004, 33, 1440-1451.	2.0	21

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127	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.	10.0	21
128	Preâ€drill Groundwater Geochemistry in the Karoo Basin, South Africa. Ground Water, 2018, 56, 187-203.	1.3	20
129	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.	8.0	20
130	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.	5.2	19
131	Lead Isotopes as a New Tracer for Detecting Coal Fly Ash in the Environment. Environmental Science and Technology Letters, 2019, 6, 714-719.	8.7	19
132	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, .	7.1	18
133	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.	7.5	18
134	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.	3.5	18
135	Global Biogeochemical Cycle of Lithium. Global Biogeochemical Cycles, 2021, 35, e2021GB006999.	4.9	18
136	Chloride-bromide-Î´11 B systematics of a thick clay-rich aquitard system. Water Resources Research, 2001, 37, 1437-1444.	4.2	17
137	Management scenarios for the Jordan River salinity crisis. Applied Geochemistry, 2005, 20, 2138-2153.	3.0	17
138	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, 121-126.	3.9	17
139	Isotopic Fingerprints for Delineating the Environmental Effects of Hydraulic Fracturing Fluids. Procedia Earth and Planetary Science, 2015, 13, 244-247.	0.6	15
140	The Effectiveness of Arsenic Remediation from Groundwater in a Private Home. Ground Water Monitoring and Remediation, 2010, 30, 87-93.	0.8	13
141	Lithium Isotope Fingerprints in Coal and Coal Combustion Residuals from the United States. Procedia Earth and Planetary Science, 2015, 13, 134-137.	0.6	13
142	Characterization of the boron, lithium, and strontium isotopic variations of oil sands process-affected water in Alberta, Canada. Applied Geochemistry, 2018, 90, 50-62.	3.0	13
143	Endocrine disrupting activities and geochemistry of water resources associated with unconventional oil and gas activity. Science of the Total Environment, 2020, 748, 142236.	8.0	13
144	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.	3.5	12

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145	Cadmium exposure and MEG3 methylation differences between Whites and African Americans in the NEST Cohort. Environmental Epigenetics, 2019, 5, dvz014.	1.8	12
146	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.	5.0	12
147	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.	8.0	12
148	Evaluating salinity sources of groundwater and implications for sustainable reverse osmosis desalination in coastal North Carolina, USA. Hydrogeology Journal, 2011, 19, 981-994.	2.1	11
149	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, .	7.1	11
150	Boron isotopic geochemistry of the McMurdo Dry Valley lakes, Antarctica. Chemical Geology, 2014, 386, 152-164.	3.3	11
151	Environmental and Human Impacts of Unconventional Energy Development. Environmental Science & Technology, 2017, 51, 10271-10273.	10.0	11
152	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.	3.1	10
153	Pre-drilling background groundwater quality in the Deep River Triassic Basin of central North Carolina, USA. Applied Geochemistry, 2015, 60, 3-13.	3.0	10
154	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.	8.7	10
155	News & Views. Ground Water, 2015, 53, 19-28.	1.3	8
156	Evaluation and Integration of Geochemical Indicators for Detecting Trace Levels of Coal Fly Ash in Soils. Environmental Science & Technology, 2021, 55, 10387-10397.	10.0	8
157	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, 6367-6369.	10.0	7
158	Noble gases: a new technique for fugitive gas investigation in groundwater. Ground Water, 2015, 53, 23-8.	1.3	7
159	Multi-phase oxygen isotopic analysis as a tracer of diagenesis: The example of the mishash formation, cretaceous of Israel. Chemical Geology: Isotope Geoscience Section, 1987, 65, 235-253.	0.6	6
160	Is Food Irrigated with Oilfieldâ€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.	2.7	6
161	Assessment of Groundwater Salinity Mechanisms in the Coastal Aquifer of El Haouaria, Northern Tunisia. Procedia Earth and Planetary Science, 2015, 13, 194-198.	0.6	5
162	Radium isotope response to aquifer storage and recovery in a sandstone aquifer. Applied Geochemistry, 2018, 91, 54-63.	3.0	5

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163	Î´11B, Rare Earth Elements, Î´37Cl, 32Si, 35S, 129I. , 2000, , 479-510.		4
164	The Sr isotope signature of Wuchiapingian semi-anthracites from Chongqing, southwestern China: Indication for hydrothermal effects. Gondwana Research, 2022, 103, 522-541.	6.0	4
165	Reply to the comment on â€œGeochemical constraints for the origin of thermal waters from western Turkeyâ€•by Umran Serpen and Tahir Ã–ngÃ¼r. Applied Geochemistry, 2003, 18, 1117-1119.	3.0	3
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