

# Beth L Parker

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160  
papers

3,547  
citations

33  
h-index

51  
g-index

167  
ext. papers

4,119  
ext. citations

4.8  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
160	Septic System Impacts on Source Water: Two Novel Field Tracer Experiments in Fractured Sedimentary Bedrock. <i>Sustainability</i> , <b>2022</b> , 14, 1959	3.6	
159	Improving spatial characterization of buried bedrock valleys through airborne frequency-domain electromagnetic, residual magnetic, and surface resistivity measurements. <i>Journal of Applied Geophysics</i> , <b>2022</b> , 199, 104584	1.7	
158	Evaluation of slim-hole NMR logging for Hydrogeologic Insights into Dolostone and Sandstone Aquifers. <i>Journal of Hydrology</i> , <b>2022</b> , 127809	6	0
157	Biotic and abiotic reductive dechlorination of chloroethenes in aquitards. <i>Science of the Total Environment</i> , <b>2021</b> , 816, 151532	10.2	1
156	Origin of solutes in a regional multi-layered sedimentary aquifer system (a case study from the Rubā al Khali basin, Saudi Arabia). <i>Applied Geochemistry</i> , <b>2021</b> , 126, 104871	3.5	3
155	Chemical evolution of an inland sabkha: a case study from Sabkha Matti, Saudi Arabia. <i>Hydrogeology Journal</i> , <b>2021</b> , 29, 1939-1951	3.1	
154	Evaluating Friction and Inertial Losses From Slug Tests Conducted in a Multilevel System. <i>Water Resources Research</i> , <b>2021</b> , 57, e2021WR029794	5.4	0
153	Identification of degrader bacteria and fungi enriched in rhizosphere soil from a toluene phytoremediation site using DNA stable isotope probing. <i>International Journal of Phytoremediation</i> , <b>2021</b> , 23, 846-856	3.9	0
152	The role of ecotones in the dehalogenation of chloroethenes in alluvial fan aquifers. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 26871-26884	5.1	1
151	A New Method for Determining Compound Specific Carbon Isotope of Chlorinated Solvents in Porewater. <i>Ground Water Monitoring and Remediation</i> , <b>2021</b> , 41, 51-57	1.4	3
150	Field, Laboratory and Modeling Evidence for Strong Attenuation of a Cr(VI) Plume in a Mudstone Aquifer Due to Matrix Diffusion and Reaction Processes.. <i>Soil Systems</i> , <b>2021</b> , 5, 1-24	3.5	
149	How Do Fractures Influence Hyporheic Exchange in Sedimentary Rock Riverbeds?. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR028476	5.4	1
148	Quantifying groundwater flow variability in a poorly cemented fractured sandstone aquifer to inform in situ remediation. <i>Journal of Contaminant Hydrology</i> , <b>2021</b> , 241, 103838	3.9	1
147	Geochemical and isotopic evidence for pumping-induced impacts to bedrock groundwater quality in the City of Guelph, Canada. <i>Science of the Total Environment</i> , <b>2021</b> , 800, 149359	10.2	2
146	Impacts of Climate Change and Different Crop Rotation Scenarios on Groundwater Nitrate Concentrations in a Sandy Aquifer. <i>Sustainability</i> , <b>2020</b> , 12, 1153	3.6	7
145	Groundwater nitrate in three distinct hydrogeologic and land-use settings in southwestern Ontario, Canada. <i>Hydrogeology Journal</i> , <b>2020</b> , 28, 1891-1908	3.1	5
144	Assessing aquitard integrity in a complex aquifer - aquitard system contaminated by chlorinated hydrocarbons. <i>Water Research</i> , <b>2020</b> , 171, 115388	12.5	11

143	Quantification of toluene phytoextraction rates and microbial biodegradation functional profiles at a fractured bedrock phytoremediation site. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 135890	10.2	5
142	Inferring flow pathways between bedrock boreholes using the hydraulic response to borehole liner installation. <i>Journal of Hydrology</i> , <b>2020</b> , 580, 124267	6	2
141	Natural attenuation of pools and plumes of carbon tetrachloride and chloroform in the transition zone to bottom aquitards and the microorganisms involved in their degradation. <i>Science of the Total Environment</i> , <b>2020</b> , 712, 135679	10.2	9
140	The importance of transects for characterizing aged organic contaminant plumes in groundwater. <i>Journal of Contaminant Hydrology</i> , <b>2020</b> , 235, 103728	3.9	5
139	Measuring Fracture Flow Changes in a Bedrock Aquifer Due to Open Hole and Pumped Conditions Using Active Distributed Temperature Sensing. <i>Water Resources Research</i> , <b>2020</b> , 56, e2020WR027229	5.4	9
138	Chlorinated Ethene Degradation Rate Coefficients Simulated with Intact Sandstone Core Microcosms. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15829-15839	10.3	2
137	Groundwater and Solute Budget (A Case Study from Sabkha Matti, Saudi Arabia). <i>Hydrology</i> , <b>2020</b> , 7, 94	2.8	2
136	Assessing toluene biodegradation under temporally varying redox conditions in a fractured bedrock aquifer using stable isotope methods. <i>Water Research</i> , <b>2019</b> , 165, 114986	12.5	8
135	Wastewater impacts on groundwater at a fractured sedimentary bedrock site in Ontario, Canada: implications for First Nations source-water protection. <i>Hydrogeology Journal</i> , <b>2019</b> , 27, 2739-2753	3.1	7
134	Toluene biodegradation in the vadose zone of a poplar phytoremediation system identified using metagenomics and toluene-specific stable carbon isotope analysis. <i>International Journal of Phytoremediation</i> , <b>2019</b> , 21, 60-69	3.9	6
133	Benchmarking NAPL Redirection and Matrix Entry at Fracture Intersections Below the Water Table. <i>Water Resources Research</i> , <b>2019</b> , 55, 2672-2689	5.4	1
132	Authors' Response to Dr. Kram Et al.'s Comments on Our Manuscript Titled Dye-LIF: A New Direct-Push Laser-Induced Fluorescence Sensor System for Chlorinated Solvent DNAPL and Other Nonnaturally Fluorescing NAPLs. <i>Ground Water Monitoring and Remediation</i> , <b>2019</b> , 39, 75-75	1.4	
131	Spatial and temporal variability of groundwater recharge in a sandstone aquifer in a semiarid region. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 2187-2205	5.5	11
130	Methane gas transport in unconfined aquifers: A numerical sensitivity study of a controlled release experiment at CFB Borden. <i>Journal of Contaminant Hydrology</i> , <b>2019</b> , 225, 103506	3.9	10
129	Groundwater Flow Quantification in Fractured Rock Boreholes Using Active Distributed Temperature Sensing Under Natural Gradient Conditions. <i>Water Resources Research</i> , <b>2019</b> , 55, 3285-3306	5.4	26
128	Metolachlor dense non-aqueous phase liquid source conditions and plume attenuation in a dolostone water supply aquifer. <i>Geological Society Special Publication</i> , <b>2019</b> , 479, 207-236	1.7	8
127	Acoustic televiewer amplitude data for porosity estimation with application to porewater conversion. <i>Geological Society Special Publication</i> , <b>2019</b> , 479, 177-185	1.7	2
126	Characterizing scales of hydrogeological heterogeneity in ice-marginal sediments in Wisconsin, USA. <i>Hydrogeology Journal</i> , <b>2019</b> , 27, 1949-1968	3.1	3

125	Hydro-biogeochemical impacts of fugitive methane on a shallow unconfined aquifer. <i>Science of the Total Environment</i> , <b>2019</b> , 690, 1342-1354	10.2	13
124	Geophysical response to simulated methane migration in groundwater based on a controlled injection experiment in a sandy unconfined aquifer. <i>Journal of Applied Geophysics</i> , <b>2019</b> , 168, 59-70	1.7	2
123	Improving pore-size distribution and permeability prediction from NMR using DT2 maps <b>2019</b> ,		1
122	PFAS Experts Symposium: Statements on regulatory policy, chemistry and analytics, toxicology, transport/fate, and remediation for per- and polyfluoroalkyl substances (PFAS) contamination issues. <i>Remediation</i> , <b>2019</b> , 29, 31-48	1.8	40
121	Five-century record of climate and groundwater recharge variability in southern California. <i>Scientific Reports</i> , <b>2019</b> , 9, 18215	4.9	5
120	Multiple lines of field evidence to inform fracture network connectivity at a shale site contaminated with dense non-aqueous phase liquids. <i>Geological Society Special Publication</i> , <b>2019</b> , 479, 101-127	1.7	5
119	DFN-M field characterization of sandstone for a process-based site conceptual model and numerical simulations of TCE transport with degradation. <i>Journal of Contaminant Hydrology</i> , <b>2018</b> , 212, 96-114	3.9	12
118	Assessing the effect of chlorinated hydrocarbon degradation in aquitards on plume persistence due to back-diffusion. <i>Science of the Total Environment</i> , <b>2018</b> , 633, 1602-1612	10.2	15
117	Multiple-scale hydraulic characterization of a surficial clayey aquitard overlying a regional aquifer in Louisiana. <i>Journal of Hydrology</i> , <b>2018</b> , 558, 546-563	6	3
116	Cross-hole fracture connectivity assessed using hydraulic responses during liner installations in crystalline bedrock boreholes. <i>Journal of Hydrology</i> , <b>2018</b> , 556, 233-246	6	6
115	High resolution spatial and temporal evolution of dissolved gases in groundwater during a controlled natural gas release experiment. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 1178-1192	10.2	24
114	Geophysical, geological, and hydrogeological characterization of a tributary buried bedrock valley in southern Ontario. <i>Canadian Journal of Earth Sciences</i> , <b>2018</b> , 55, 641-658	1.5	9
113	Using a multiple variogram approach to improve the accuracy of subsurface geological models. <i>Canadian Journal of Earth Sciences</i> , <b>2018</b> , 55, 786-801	1.5	8
112	CAD-DRASTIC: chloride application density combined with DRASTIC for assessing groundwater vulnerability to road salt application. <i>Hydrogeology Journal</i> , <b>2018</b> , 26, 2379-2393	3.1	5
111	Identification of Degradation Pathways of Chlorohydrocarbons in Saturated Low-Permeability Sediments Using Compound-Specific Isotope Analysis. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7296-7306	10.3	18
110	Novel Well Completions in Small Diameter Coreholes Created Using Portable Rock Drills. <i>Ground Water Monitoring and Remediation</i> , <b>2018</b> , 38, 42-55	1.4	2
109	DyeLIFIA New Direct-Push Laser-Induced Fluorescence Sensor System for Chlorinated Solvent DNAPL and Other Non-Naturally Fluorescing NAPLs. <i>Ground Water Monitoring and Remediation</i> , <b>2018</b> , 38, 28-42	1.4	8
108	Hydrologic interpretation of seasonally dynamic ambient temperature profiles in sealed bedrock boreholes. <i>Journal of Hydrology</i> , <b>2018</b> , 567, 133-148	6	1

107	Spatial variability of microbial communities in a fractured sedimentary rock matrix impacted by a mixed organics plume. <i>Journal of Contaminant Hydrology</i> , <b>2018</b> , 218, 110-119	3.9	5
106	Diffusion-Coupled Degradation of Chlorinated Ethenes in Sandstone: An Intact Core Microcosm Study. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 14321-14330	10.3	7
105	Insights From Unsteady Flow Analysis of Underdamped Slug Tests in Fractured Rock. <i>Water Resources Research</i> , <b>2018</b> , 54, 5825-5840	5.4	4
104	On Permeability Prediction From Complex Conductivity Measurements Using Polarization Magnitude and Relaxation Time. <i>Water Resources Research</i> , <b>2018</b> , 54, 3436-3452	5.4	19
103	Improving estimates of groundwater velocity in a fractured rock borehole using hydraulic and tracer dilution methods. <i>Journal of Contaminant Hydrology</i> , <b>2018</b> , 214, 75-86	3.9	15
102	A multidisciplinary-based conceptual model of a fractured sedimentary bedrock aquitard: improved prediction of aquitard integrity. <i>Hydrogeology Journal</i> , <b>2018</b> , 26, 2133-2159	3.1	4
101	Novel cable coupling technique for improved shallow distributed acoustic sensor VSPs. <i>Journal of Applied Geophysics</i> , <b>2017</b> , 138, 72-79	1.7	24
100	Multidimensional Investigation of Bedrock Heterogeneity/Unconformities at a DNAPL-Impacted Site. <i>Ground Water</i> , <b>2017</b> , 55, 532-549	2.4	8
99	Estimating a Representative Value and Proportion of True Zeros for Censored Analytical Data with Applications to Contaminated Site Assessment. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7502-7510	10.3	8
98	Response to the comment by Mesut Cimen on Depth-discrete specific storage in fractured sedimentary rock using steady-state and transient single-hole hydraulic tests by Patryk M. Quinn, John A. Cherry, Beth L. Parker, J. Hydrol. 542 (2016), <i>Journal of Hydrology</i> , Volume 546, March 2017, 1475. <i>Journal of Hydrology</i> , <b>2017</b> , 547, 345-347	6	
97	Geochemical and Isotopic Study of Bedrock Groundwater in the City of Guelph, Canada. <i>Procedia Earth and Planetary Science</i> , <b>2017</b> , 17, 921-923		6
96	Mobility and persistence of methane in groundwater in a controlled-release field experiment. <i>Nature Geoscience</i> , <b>2017</b> , 10, 289-294	18.3	76
95	Monitoring the evolution and migration of a methane gas plume in an unconfined sandy aquifer using time-lapse GPR and ERT. <i>Journal of Contaminant Hydrology</i> , <b>2017</b> , 205, 12-24	3.9	34
94	Vadose zone processes delay groundwater nitrate reduction response to BMP implementation as observed in paired cultivated vs. uncultivated potato rotation fields. <i>Journal of Hydrology</i> , <b>2017</b> , 555, 760-776	6	8
93	Determination of Cr(III) solids formed by reduction of Cr(VI) in a contaminated fractured bedrock aquifer: Evidence for natural attenuation of Cr(VI). <i>Chemical Geology</i> , <b>2017</b> , 474, 1-8	4.2	5
92	Does sorption influence isotope ratios of chlorinated hydrocarbons under field conditions?. <i>Applied Geochemistry</i> , <b>2017</b> , 84, 348-359	3.5	24
91	On Methods for In-Well Nitrate Monitoring Using Optical Sensors. <i>Ground Water Monitoring and Remediation</i> , <b>2017</b> , 37, 60-70	1.4	9
90	Mechanisms of recharge in a fractured porous rock aquifer in a semi-arid region. <i>Journal of Hydrology</i> , <b>2017</b> , 555, 869-880	6	13

89	Virus occurrence in private and public wells in a fractured dolostone aquifer in Canada. <i>Hydrogeology Journal</i> , <b>2017</b> , 25, 1117-1136	3.1	15
88	Impact of eliminating fracture intersection nodes in multiphase compositional flow simulation. <i>Water Resources Research</i> , <b>2017</b> , 53, 2917-2939	5.4	7
87	Electrical resistivity dynamics beneath a fractured sedimentary bedrock riverbed in response to temperature and groundwater-surface water exchange. <i>Hydrology and Earth System Sciences</i> , <b>2017</b> , 21, 3105-3123	5.5	14
86	JRK is a positive regulator of Eatenin transcriptional activity commonly overexpressed in colon, breast and ovarian cancer. <i>Oncogene</i> , <b>2016</b> , 35, 2834-41	9.2	14
85	Reductive dechlorination in recalcitrant sources of chloroethenes in the transition zone between aquifers and aquitards. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 18724-41	5.1	12
84	A new device for characterizing fracture networks and measuring groundwater and contaminant fluxes in fractured rock aquifers. <i>Water Resources Research</i> , <b>2016</b> , 52, 5400-5420	5.4	10
83	Combining high resolution vertical gradients and sequence stratigraphy to delineate hydrogeologic units for a contaminated sedimentary rock aquifer system. <i>Journal of Hydrology</i> , <b>2016</b> , 534, 505-523	6	13
82	Geophysical and geochemical studies to delineate seawater intrusion in Bagoush area, Northwestern coast, Egypt. <i>Journal of African Earth Sciences</i> , <b>2016</b> , 121, 365-381	2.2	30
81	Blended head analyses to reduce uncertainty in packer testing in fractured-rock boreholes. <i>Hydrogeology Journal</i> , <b>2016</b> , 24, 59-77	3.1	14
80	Using earth-tide induced water pressure changes to measure in situ permeability: A comparison with long-term pumping tests. <i>Water Resources Research</i> , <b>2016</b> , 52, 3113-3126	5.4	53
79	Structural and statistical characterization of joints and multi-scale faults in an alternating sandstone and shale turbidite sequence at the Santa Susana Field Laboratory: Implications for their effects on groundwater flow and contaminant transport. <i>Journal of Structural Geology</i> , <b>2016</b> , 85, 95-114	3	25
78	Temporal hydrochemical and microbial variations in microcosm experiments from sites contaminated with chloromethanes under biostimulation with lactic acid. <i>Bioremediation Journal</i> , <b>2016</b> , 20, 54-70	2.3	5
77	Analytical analysis of borehole experiments for the estimation of subsurface thermal properties. <i>Advances in Water Resources</i> , <b>2016</b> , 91, 88-103	4.7	6
76	Quantification of Degradation of Chlorinated Hydrocarbons in Saturated Low Permeability Sediments Using Compound-Specific Isotope Analysis. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5622-30	10.3	35
75	Nitrate distribution and potential attenuation mechanisms of a municipal water supply bedrock aquifer. <i>Applied Geochemistry</i> , <b>2016</b> , 73, 157-168	3.5	14
74	Origin of VC-only plumes from naturally enhanced dechlorination in a peat-rich hydrogeologic setting. <i>Journal of Contaminant Hydrology</i> , <b>2016</b> , 192, 129-139	3.9	9
73	Depth-discrete specific storage in fractured sedimentary rock using steady-state and transient single-hole hydraulic tests. <i>Journal of Hydrology</i> , <b>2016</b> , 542, 756-771	6	8
72	Groundwater recharge assessment in an upland sandstone aquifer of southern California. <i>Journal of Hydrology</i> , <b>2016</b> , 541, 787-799	6	25

71	Groundwater flow characterization in a fractured bedrock aquifer using active DTS tests in sealed boreholes. <i>Journal of Hydrology</i> , <b>2015</b> , 528, 449-462	6	44
70	Combined use of straddle packer testing and FLUTE profiling for hydraulic testing in fractured rock boreholes. <i>Journal of Hydrology</i> , <b>2015</b> , 524, 439-454	6	29
69	Evaluating local-scale anisotropy and heterogeneity along a fractured sedimentary bedrock river using EM azimuthal resistivity and ground-penetrating radar. <i>Journal of Applied Geophysics</i> , <b>2015</b> , 116, 156-166	1.7	10
68	Effects of Glacial Sediment Type and Land Use on Nitrate Patterns in Groundwater. <i>Ground Water Monitoring and Remediation</i> , <b>2015</b> , 35, 68-81	1.4	21
67	Determination of hexavalent chromium concentrations in matrix porewater from a contaminated aquifer in fractured sedimentary bedrock. <i>Chemical Geology</i> , <b>2015</b> , 419, 142-148	4.2	5
66	Geophysical conceptualization of a fractured sedimentary bedrock riverbed using ground-penetrating radar and induced electrical conductivity. <i>Journal of Hydrology</i> , <b>2015</b> , 521, 433-446	6	13
65	Characterization and Source History Modeling Using Low-k Zone Profiles at Two Source Areas. <i>Ground Water Monitoring and Remediation</i> , <b>2015</b> , 35, 52-69	1.4	12
64	Application of an Adapted Version of MT3DMS for Modeling Back-Diffusion Remediation Timeframes <b>2015</b> , 25, 55-79		16
63	Simple Modeling Tool for Reconstructing Source History Using High Resolution Contaminant Profiles From Low-k Zones <b>2015</b> , 25, 31-51		4
62	Transport of through a Thick Vadose Zone. <i>Journal of Environmental Quality</i> , <b>2015</b> , 44, 1424-34	3.4	16
61	Hybrid Multilevel System for Monitoring Groundwater Flow and Agricultural Impacts in Fractured Sedimentary Bedrock. <i>Ground Water Monitoring and Remediation</i> , <b>2015</b> , 35, 55-67	1.4	11
60	Salt vulnerability assessment methodology for municipal supply wells. <i>Journal of Hydrology</i> , <b>2015</b> , 531, 523-533	6	10
59	Detailed measurement of the magnitude and orientation of thermal gradients in lined boreholes for characterizing groundwater flow in fractured rock. <i>Journal of Hydrology</i> , <b>2014</b> , 513, 101-114	6	16
58	New method for continuous transmissivity profiling in fractured rock. <i>Ground Water</i> , <b>2014</b> , 52, 352-67	2.4	41
57	Processes controlling the fate of chloroethenes emanating from DNAPL aged sources in river-aquifer contexts. <i>Journal of Contaminant Hydrology</i> , <b>2014</b> , 168, 25-40	3.9	7
56	Characteristics of high resolution hydraulic head profiles and vertical gradients in fractured sedimentary rocks. <i>Journal of Hydrology</i> , <b>2014</b> , 517, 493-507	6	32
55	Membrane interface probe protocol for contaminants in low-permeability zones. <i>Ground Water</i> , <b>2014</b> , 52, 550-65	2.4	17
54	Directional phytoscreening: contaminant gradients in trees for plume delineation. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9069-76	10.3	15

53	Combined MODFLOW-FRACTRAN Application to Assess Chlorinated Solvent Transport and Remediation in Fractured Sedimentary Rock <b>2013</b> , 23, 7-35		12
52	A stochastic model for estimating groundwater and contaminant discharges from fractured rock passive flux meter measurements. <i>Water Resources Research</i> , <b>2013</b> , 49, 1277-1291	5.4	6
51	Enhanced detection of hydraulically active fractures by temperature profiling in lined heated bedrock boreholes. <i>Journal of Hydrology</i> , <b>2013</b> , 484, 1-15	6	43
50	Subsoil heterogeneities controlling porewater contaminant mass and microbial diversity at a site with a complex pollution history. <i>Journal of Contaminant Hydrology</i> , <b>2013</b> , 144, 1-19	3.9	14
49	Validation of non-Darcian flow effects in slug tests conducted in fractured rock boreholes. <i>Journal of Hydrology</i> , <b>2013</b> , 486, 505-518	6	37
48	Time-Elevation Head Sections: Improved Visualization of Data from Multilevels. <i>Ground Water Monitoring and Remediation</i> , <b>2013</b> , 33, 95-102	1.4	1
47	Testing high resolution numerical models for analysis of contaminant storage and release from low permeability zones. <i>Journal of Contaminant Hydrology</i> , <b>2012</b> , 136-137, 106-16	3.9	58
46	Allocating risk capital for a brownfields redevelopment project under hydrogeological and financial uncertainty. <i>Journal of Environmental Management</i> , <b>2012</b> , 100, 96-108	7.9	7
45	Hydraulic testing using a versatile straddle packer system for improved transmissivity estimation in fractured-rock boreholes. <i>Hydrogeology Journal</i> , <b>2012</b> , 20, 1529-1547	3.1	40
44	Dechlorinating microorganisms in a sedimentary rock matrix contaminated with a mixture of VOCs. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5756-63	10.3	28
43	Simulating an exclusion zone for vapour intrusion of TCE from groundwater into indoor air. <i>Journal of Contaminant Hydrology</i> , <b>2012</b> , 140-141, 124-38	3.9	10
42	Fingerprinting TCE in a bedrock aquifer using compound-specific isotope analysis. <i>Ground Water</i> , <b>2012</b> , 50, 754-64	2.4	17
41	Quantification of non-Darcian flow observed during packer testing in fractured sedimentary rock. <i>Water Resources Research</i> , <b>2011</b> , 47,	5.4	57
40	Manganese and trace-metal mobility under reducing conditions following in situ oxidation of TCE by KMnO <sub>4</sub> : a laboratory column experiment. <i>Journal of Contaminant Hydrology</i> , <b>2011</b> , 119, 13-24	3.9	13
39	Using constant head step tests to determine hydraulic apertures in fractured rock. <i>Journal of Contaminant Hydrology</i> , <b>2011</b> , 126, 85-99	3.9	54
38	Assessing the flow regime in a contaminated fractured and karstic dolostone aquifer supplying municipal water. <i>Journal of Hydrology</i> , <b>2011</b> , 400, 396-410	6	23
37	Improved resolution of ambient flow through fractured rock with temperature logs. <i>Ground Water</i> , <b>2010</b> , 48, 191-205	2.4	49
36	A downhole passive sampling system to avoid bias and error from groundwater sample handling. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 4917-23	10.3	23



35	Manganese valence in oxides formed from in situ chemical oxidation of TCE by KMnO <sub>4</sub> . <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5934-9	10.3	20
34	Characterization of a heterogeneous DNAPL source zone in the Borden aquifer using partitioning and interfacial tracers: residual morphologies and background sorption. <i>Journal of Contaminant Hydrology</i> , <b>2010</b> , 115, 79-89	3.9	21
33	Three-dimensional density-dependent flow and multicomponent reactive transport modeling of chlorinated solvent oxidation by potassium permanganate. <i>Journal of Contaminant Hydrology</i> , <b>2009</b> , 106, 195-211	3.9	48
32	Evaluating the fate of chlorinated ethenes in streambed sediments by combining stable isotope, geochemical and microbial methods. <i>Journal of Contaminant Hydrology</i> , <b>2009</b> , 107, 10-21	3.9	65
31	Simulating the fate and transport of TCE from groundwater to indoor air. <i>Journal of Contaminant Hydrology</i> , <b>2009</b> , 107, 140-61	3.9	37
30	Long-term ground penetrating radar monitoring of a small volume DNAPL release in a natural groundwater flow field. <i>Journal of Contaminant Hydrology</i> , <b>2008</b> , 97, 1-12	3.9	30
29	Plume persistence caused by back diffusion from thin clay layers in a sand aquifer following TCE source-zone hydraulic isolation. <i>Journal of Contaminant Hydrology</i> , <b>2008</b> , 102, 86-104	3.9	142
28	Detailed hydraulic head profiles as essential data for defining hydrogeologic units in layered fractured sedimentary rock. <i>Environmental Geology</i> , <b>2008</b> , 56, 27-44		42
27	Human enteric viruses in groundwater from a confined bedrock aquifer. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 6606-12	10.3	88
26	General analytical treatment of the flow field relevant to the interpretation of passive fluxmeter measurements. <i>Water Resources Research</i> , <b>2007</b> , 43,	5.4	11
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24	Electrical Monitoring of In Situ Chemical Oxidation by Permanganate. <i>Ground Water Monitoring and Remediation</i> , <b>2007</b> , 27, 77-84	1.4	13
23	Groundwater-surface water interaction and its role on TCE groundwater plume attenuation. <i>Journal of Contaminant Hydrology</i> , <b>2007</b> , 91, 203-32	3.9	58
22	The Active Line Source Temperature Logging Technique and its Application in Fractured Rock Hydrogeology. <i>Journal of Environmental and Engineering Geophysics</i> , <b>2007</b> , 12, 307-322	1	23
21	Metal mobility during in situ chemical oxidation of TCE by KMnO <sub>4</sub> . <i>Journal of Contaminant Hydrology</i> , <b>2006</b> , 88, 137-52	3.9	17
20	Microwave-assisted extraction of trichloroethylene from clay samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2006</b> , 86, 1113-1125	1.8	7
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18	A Multilevel System for High-Resolution Monitoring in Rotasonic Boreholes. <i>Ground Water Monitoring and Remediation</i> , <b>2006</b> , 26, 57-73	1.4	18

17	Field-scale evaluation of the passive flux meter for simultaneous measurement of groundwater and contaminant fluxes. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7194-201	10.3	76
16	Plume persistence due to aquitard back diffusion following dense nonaqueous phase liquid source removal or isolation. <i>Water Resources Research</i> , <b>2005</b> , 41,	5.4	177
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14	Mass and flux distributions from DNAPL zones in sandy aquifers. <i>Ground Water</i> , <b>2005</b> , 43, 70-86	2.4	86
13	Field study of TCE diffusion profiles below DNAPL to assess aquitard integrity. <i>Journal of Contaminant Hydrology</i> , <b>2004</b> , 74, 197-230	3.9	85
12	Effect of source variability and transport processes on carbon isotope ratios of TCE and PCE in two sandy aquifers. <i>Journal of Contaminant Hydrology</i> , <b>2004</b> , 74, 265-82	3.9	96
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10	Review and Analysis of Chlorinated Solvent Dense Nonaqueous Phase Liquid Distributions in Five Sandy Aquifers. <i>Vadose Zone Journal</i> , <b>2003</b> , 2, 116-137	2.7	65
9	Monitoring oxidation of chlorinated ethenes by permanganate in groundwater using stable isotopes: laboratory and field studies. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 798-804	10.3	62
8	A novel technique for rapid extraction of volatile organohalogen compounds from low permeability media. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 3978-84	10.3	18
7	Review and Analysis of Chlorinated Solvent Dense Nonaqueous Phase Liquid Distributions in Five Sandy Aquifers. <i>Vadose Zone Journal</i> , <b>2003</b> , 2, 116-137	2.7	7
6	Review and Analysis of Chlorinated Solvent Dense Nonaqueous Phase Liquid Distributions in Five Sandy Aquifers. <i>Vadose Zone Journal</i> , <b>2003</b> , 2, 116	2.7	18
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4	Trichloroethene DNAPL flow and mass distribution in naturally fractured clay: Evidence of aperture variability. <i>Water Resources Research</i> , <b>2000</b> , 36, 135-147	5.4	33
3	Diffusive Loss of Non-Aqueous Phase Organic Solvents from Idealized Fracture Networks in Geologic Media. <i>Ground Water</i> , <b>1997</b> , 35, 1077-1088	2.4	56
2	Optimum Hydraulic Conductivity to Limit Contaminant Flux Through Cutoff Walls. <i>Ground Water</i> , <b>1996</b> , 34, 719-726	2.4	27
1	Diffusive Disappearance of Immiscible-Phase Organic Liquids in Fractured Geologic Media. <i>Ground Water</i> , <b>1994</b> , 32, 805-820	2.4	160