

Warren Barrash

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,341
citations

279701

23
h-index

345118

36
g-index

48
all docs

48
docs citations

48
times ranked

823
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate analysis of cross-hole georadar velocity and attenuation tomograms for aquifer zonation. <i>Water Resources Research</i> , 2004, 40, .	1.7	120
2	Hierarchical geostatistics and multifacies systems: Boise Hydrogeophysical Research Site, Boise, Idaho. <i>Water Resources Research</i> , 2002, 38, 14-1-14-18.	1.7	106
3	Hydraulic conductivity imaging from 3D transient hydraulic tomography at several pumping/observation densities. <i>Water Resources Research</i> , 2013, 49, 7311-7326.	1.7	100
4	Field, laboratory, and modeling investigation of the skin effect at wells with slotted casing, Boise Hydrogeophysical Research Site. <i>Journal of Hydrology</i> , 2006, 326, 181-198.	2.3	69
5	Estimating porosity with ground-penetrating radar reflection tomography: A controlled 3D experiment at the Boise Hydrogeophysical Research Site. <i>Water Resources Research</i> , 2009, 45, .	1.7	64
6	Significance of porosity for stratigraphy and textural composition in subsurface, coarse fluvial deposits: Boise Hydrogeophysical Research Site. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 1059.	1.6	56
7	Frequency dependent hydraulic properties estimated from oscillatory pumping tests in an unconfined aquifer. <i>Journal of Hydrology</i> , 2015, 531, 2-16.	2.3	49
8	Hydraulic Tomography: Continuity and Discontinuity of High- and Low- K Zones. <i>Ground Water</i> , 2016, 54, 171-185.	0.7	46
9	A view toward the future of subsurface characterization: CAT scanning groundwater basins. <i>Water Resources Research</i> , 2008, 44, .	1.7	44
10	Crosshole Radar Tomography in a Fluvial Aquifer near Boise, Idaho. <i>Journal of Environmental and Engineering Geophysics</i> , 2006, 11, 171-184.	1.0	38
11	Examining the influence of heterogeneous porosity fields on conservative solute transport. <i>Journal of Contaminant Hydrology</i> , 2009, 108, 77-88.	1.6	36
12	Hydraulic Tomography: 3D Hydraulic Conductivity, Fracture Network, and Connectivity in Mudstone. <i>Ground Water</i> , 2020, 58, 238-257.	0.7	36
13	Semi-analytical solution for flow in leaky unconfined aquifer-aquitard systems. <i>Journal of Hydrology</i> , 2007, 346, 59-68.	2.3	35
14	Data processing for oscillatory pumping tests. <i>Journal of Hydrology</i> , 2014, 511, 310-319.	2.3	34
15	A field comparison of Fresnel zone and ray-based GPR attenuation-difference tomography for time-lapse imaging of electrically anomalous tracer or contaminant plumes. <i>Geophysics</i> , 2007, 72, G21-G29.	1.4	33
16	Modeling Axially Symmetric and Nonsymmetric Flow to a Well with MODFLOW, and Application to Goddard2 Well Test, Boise, Idaho. <i>Ground Water</i> , 1997, 35, 602-611.	0.7	30
17	Joint inversion of steady-state hydrologic and self-potential data for 3D hydraulic conductivity distribution at the Boise Hydrogeophysical Research Site. <i>Journal of Hydrology</i> , 2011, 407, 115-128.	2.3	29
18	Investigating the stratigraphy of an alluvial aquifer using crosswell seismic traveltime tomography. <i>Geophysics</i> , 2006, 71, B63-B73.	1.4	28

#	ARTICLE	IF	CITATIONS
19	Analytical and Semi-Analytical Tools for the Design of Oscillatory Pumping Tests. <i>Ground Water</i> , 2015, 53, 896-907.	0.7	28
20	Aquifer Imaging with Oscillatory Hydraulic Tomography: Application at the Field Scale. <i>Ground Water</i> , 2020, 58, 710-722.	0.7	28
21	Information content of slug tests for estimating hydraulic properties in realistic, high-conductivity aquifer scenarios. <i>Journal of Hydrology</i> , 2011, 403, 66-82.	2.3	27
22	Modeling slug tests in unconfined aquifers taking into account water table kinematics, wellbore skin and inertial effects. <i>Journal of Hydrology</i> , 2011, 408, 113-126.	2.3	26
23	Boise Hydrogeophysical Research Site (BHRS): Objectives, Design, Initial Geostatistical Results. , 1999, , .		24
24	Reflectivity modeling of a ground-penetrating-radar profile of a saturated fluvial formation. <i>Geophysics</i> , 2006, 71, K59-K66.	1.4	24
25	VSP travelt ime inversion: Near-surface issues. <i>Geophysics</i> , 2004, 69, 345-351.	1.4	23
26	Capacitive conductivity logging and electrical stratigraphy in a high-resistivity aquifer, Boise Hydrogeophysical Research Site. <i>Geophysics</i> , 2009, 74, E125-E133.	1.4	23
27	Semi-analytical solution for flow in a leaky unconfined aquifer toward a partially penetrating pumping well. <i>Journal of Hydrology</i> , 2008, 356, 234-244.	2.3	22
28	Estimating Unsaturated Hydraulic Functions for Coarse Sediment from a Field-Scale Infiltration Experiment. <i>Vadose Zone Journal</i> , 2014, 13, 1-17.	1.3	22
29	The hydrogeologic information in cross-borehole complex conductivity data from an unconsolidated conglomeratic sedimentary aquifer. <i>Geophysics</i> , 2016, 81, E409-E421.	1.4	22
30	Electrical-hydraulic relationships observed for unconsolidated sediments in the presence of a cobble framework. <i>Water Resources Research</i> , 2014, 50, 5721-5742.	1.7	21
31	Timing of late Cenozoic volcanic and tectonic events along the western margin of the North American plate. <i>Bulletin of the Geological Society of America</i> , 1982, 93, 977.	1.6	13
32	Geophysical Surveys Across the Boise Hydrogeophysical Research Site to Determine Geophysical Parameters of a Shallow, Alluvial Aquifer. , 1999, , .		13
33	Recognition of units in coarse, unconsolidated braided-stream deposits from geophysical log data with principal components analysis. <i>Geology</i> , 1997, 25, 687.	2.0	12
34	Effects of Signal Processing and Antenna Frequency on the Geostatistical Structure of Ground-Penetrating Radar Data. <i>Journal of Environmental and Engineering Geophysics</i> , 2004, 9, 201-212.	1.0	8
35	Fiber Optic Pressure Measurements Open Up New Experimental Possibilities in Hydrogeology. <i>Ground Water</i> , 2021, , .	0.7	8
36	3D GPR Imaging of Complex Fluvial Stratigraphy at the Boise Hydrogeophysical Research Site. , 1999, , .		7

#	ARTICLE	IF	CITATIONS
37	Recognizing and modeling variable drawdown due to evapotranspiration in a semiarid riparian zone considering local differences in vegetation and distance from a river source. <i>Water Resources Research</i> , 2013, 49, 1030-1039.	1.7	7
38	Tracer/Time-lapse Radar Imaging Test at the Boise Hydrogeophysical Research Site. , 2003, , .		6
39	Borehole Radar Attenuation-Difference Tomography During the Tracer/Time-lapse Test at the Boise Hydrogeophysical Research Site. , 2003, , .		5
40	Hydrostratigraphy and distribution of secondary permeability in the Brule Formation, Cheyenne County, Nebraska. <i>Bulletin of the Geological Society of America</i> , 1987, 99, 445.	1.6	4
41	Analytical modeling of a fracture zone in the Brule Formation as an aquifer receiving leakage from water-table and elastic aquitards. <i>Journal of Hydrology</i> , 1991, 125, 1-24.	2.3	3
42	Flow in the neighborhood of a confined aquifer observation well. <i>Journal of Hydrology</i> , 2009, 364, 107-114.	2.3	2
43	The Influence of Wellbore Inflow on Electromagnetic Borehole Flowmeter Measurements. <i>Ground Water</i> , 2009, 47, 515-525.	0.7	2
44	An Investigation of the Ability of Induced Polarization to Resolve Aquifer Heterogeneity in an Unconsolidated Sedimentary Aquifer. , 2011, , .		2
45	Inversion of multiple intersecting high-resolution crosshole GPR profiles for hydrological characterization. , 2010, , .		0