Peter Dietrich

List of Publications by Year
in descending order

171 papers	4,989 citations	81900 39 h-index	118850 62 g-index
194 all docs	194 docs citations	194 times ranked	4592 citing authors

#	Article	IF	Citations
1	How to Find Aquifer Statistics Utilizing Pumping Tests? Two Field Studies Using welltestpy. Ground Water, 2022, 60, 137-144.	1.3	4
2	The potential of using satellite-related precipitation data sources in arid regions. , 2022, , 201-237.		1
3	Challenges in the Evaluation of Observational Data Trustworthiness From a Data Producers Viewpoint (FAIR+). Frontiers in Environmental Science, 2022, 9, .	3.3	4
4	A hydrological tipping point and onset of Neolithic wetland occupation in Pestenacker (Lech) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	3.0	3
5	Remote Sensing of Geomorphodiversity Linked to Biodiversityâ€”Part III: Traits, Processes and Remote Sensing Characteristics. Remote Sensing, 2022, 14, 2279.	4.0	13
6	From Dynamic Groundwater Level Measurements to Regional Aquifer Parametersâ€” Assessing the Power of Spectral Analysis. Water Resources Research, 2022, 58, .	4.2	8
7	The Digital Earth Smart Monitoring Concept and Tools. SpringerBriefs in Earth System Sciences, 2022, , 85-120.	0.1	1
8	A field evidence model: how to predict transport in heterogeneous aquifers at low investigation level. Hydrology and Earth System Sciences, 2021, 25, 1-15.	4.9	5
9	Comparative Analysis of TMPA and IMERG Precipitation Datasets in the Arid Environment of El-Qaa Plain, Sinai. Remote Sensing, 2021, 13, 588.	4.0	12
10	Environmental Earth Sciences Progress Report 2020 and Outlook 2021. Environmental Earth Sciences, 2021, 80, 314.	2.7	1
11	A Comparison of Six Transport Models of the MADEâ€1 Experiment Implemented With Different Types of Hydraulic Data. Water Resources Research, 2021, 57, e2020WR028672.	4.2	3
12	Optimization of Rain Gauge Networks for Arid Regions Based on Remote Sensing Data. Remote Sensing, 2021, 13, 4243.	4.0	7
13	High-Resolution Direct Push Sensing in Wetland Geoarchaeologyâ€”First Traces of Off-Site Construction Activities at the Fossa Carolina. Remote Sensing, 2021, 13, 4647.	4.0	0
14	Neutrons on Rails: Transregional Monitoring of Soil Moisture and Snow Water Equivalent. Geophysical Research Letters, 2021, 48, .	4.0	14
15	Collected Rain Water as Costâ€Efficient Source for Aquifer Tracer Testing. Ground Water, 2020, 58, 125-131.	1.3	2
16	Non-invasive prospection techniques and direct push sensing as high-resolution validation tools in wetland geoarchaeology â€“ Artificial water supply at a Carolingian canal in South Germany?. Journal of Applied Geophysics, 2020, 173, 103928.	2.1	11
17	Linking the Remote Sensing of Geodiversity and Traits Relevant to Biodiversityâ€”Part II: Geomorphology, Terrain and Surfaces. Remote Sensing, 2020, 12, 3690.	4.0	20
18	Structural controls on the hydrogeological functioning of a floodplain. Hydrogeology Journal, 2020, 28, 2675-2696.	2.1	14

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19	Sediment budgeting of shortâ€term backfilling processes: The erosional collapse of a Carolingian canal construction. Earth Surface Processes and Landforms, 2020, 45, 3449-3462.	2.5	3
20	Directâ€Push Color Logging Images Spatial Heterogeneity of Organic Carbon in Floodplain Sediments. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005887.	3.0	5
21	Groundwater nitrification and denitrification are not always strictly aerobic and anaerobic processes, respectively: an assessment of dual-nitrate isotopic and chemical evidence in a stratified alluvial aquifer. Biogeochemistry, 2020, 147, 211-223.	3.5	26
22	Suitability of precipitation waters as semi-artificial groundwater tracers. Journal of Hydrology, 2019, 577, 123982.	5.4	6
23	Monitoring the impact of intensive shallow geothermal energy use on groundwater temperatures in a residential neighborhood. Geothermal Energy, 2019, 7, .	1.9	29
24	The fate of DNAPL contaminants in non-consolidated subsurface systems â€“ Discussion on the relevance of effective source zone geometries for plume propagation. Journal of Hazardous Materials, 2019, 375, 233-240.	12.4	30
25	Adaptive observation-based subsurface conceptual site modeling framework combining interdisciplinary methodologies: a case study on advancing the understanding of a groundwater nitrate plume occurrence. Environmental Science and Pollution Research, 2019, 26, 15754-15766.	5.3	7
26	3D-Modelling of Charlemagneâ€™s Summit Canal (Southern Germany)â€”Merging Remote Sensing and Geoarchaeological Subsurface Data. Remote Sensing, 2019, 11, 1111.	4.0	8
27	Application of snowmelt as an active and inexpensive dual isotope groundwater tracer. Hydrogeology Journal, 2019, 27, 423-433.	2.1	4
28	Mobile Monitoringâ€”Open-Source Based Optical Sensor System for Service-Oriented Turbidity and Dissolved Organic Matter Monitoring. Frontiers in Earth Science, 2019, 7, .	1.8	5
29	Hydrogeological Modeling and Water Resources Management: Improving the Link Between Data, Prediction, and Decision Making. Water Resources Research, 2019, 55, 10340-10357.	4.2	12
30	Linking Remote Sensing and Geodiversity and Their Traits Relevant to Biodiversityâ€”Part I: Soil Characteristics. Remote Sensing, 2019, 11, 2356.	4.0	46
31	A Critical Analysis of Transverse Dispersivity Field Data. Ground Water, 2019, 57, 632-639.	1.3	27
32	Application of open-path Fourier transform infrared spectroscopy for atmospheric monitoring of a CO2 back-production experiment at the Ketzin pilot site (Germany). Environmental Monitoring and Assessment, 2018, 190, 114.	2.7	1
33	Direct push sensing in wetland (geo)archaeology: High-resolution reconstruction of buried canal structures (Fossa Carolina , Germany). Quaternary International, 2018, 473, 21-36.	1.5	21
34	Intercomparison of cosmic-ray neutron sensors and water balance monitoring in an urban environment. Geoscientific Instrumentation, Methods and Data Systems, 2018, 7, 83-99.	1.6	44
35	Cosmicâ€ray Neutron Rover Surveys of Field Soil Moisture and the Influence of Roads. Water Resources Research, 2018, 54, 6441-6459.	4.2	53
36	Understanding Forest Health with Remote Sensing, Part III: Requirements for a Scalable Multi-Source Forest Health Monitoring Network Based on Data Science Approaches. Remote Sensing, 2018, 10, 1120.	4.0	63

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37	The Bode hydrological observatory: a platform for integrated, interdisciplinary hydro-ecological research within the TERENO Harz/Central German Lowland Observatory. Environmental Earth Sciences, 2017, 76, 1.	2.7	93
38	Spatially continuous probabilistic prediction of sparsely measured ground properties constrained by ill-posed tomographic imaging considering data uncertainty and resolution. Geophysics, 2017, 82, V149-V162.	2.6	1
39	On the importance of a coordinated site characterization for the sustainable intensive thermal use of the shallow subsurface in urban areas: a case study. Environmental Earth Sciences, 2017, 76, 1.	2.7	12
40	How to chase a tracer â€“ combining conventional salt tracer testing and direct push electrical conductivity profiling for enhanced aquifer characterization. Advances in Water Resources, 2017, 99, 60-66.	3.8	13
41	Energy storage in the geological subsurface: dimensioning, risk analysis and spatial planning: the ANGUS+ project. Environmental Earth Sciences, 2017, 76, 1.	2.7	67
42	Geological heterogeneity: Goal-oriented simplification of structure and characterization needs. Advances in Water Resources, 2017, 109, 1-13.	3.8	12
43	Estimating Soil Moisture Patterns with Remote Sensing and Terrain Data at the Small Catchment Scale. Vadose Zone Journal, 2017, 16, 1-21.	2.2	8
44	Identifying the influential aquifer heterogeneity factor on nitrate reduction processes by numerical simulation. Advances in Water Resources, 2017, 99, 38-52.	3.8	24
45	Model Input Data Uncertainty and Its Potential Impact on SoilÂProperties. , 2017, , 25-52.		1
46	Repeated electromagnetic induction measurements for mapping soil moisture at the field scale: validation with data from a wireless soil moisture monitoring network. Hydrology and Earth System Sciences, 2017, 21, 495-513.	4.9	52
47	Improving calibration and validation of cosmic-ray neutron sensors in the light of spatial sensitivity. Hydrology and Earth System Sciences, 2017, 21, 5009-5030.	4.9	93
48	Research in Progress: Implementation of an Integrated Data Model for an Improved Monitoring of Environmental Processes. Lecture Notes in Business Information Processing, 2017, , 332-339.	1.0	5
49	In Situ/Remote Sensing Integration to Assess Forest Healthâ€”A Review. Remote Sensing, 2016, 8, 471.	4.0	74
50	Development of anin situthermal conductivity measurement system for exploration of the shallow subsurface. Measurement Science and Technology, 2016, 27, 065901.	2.6	1
51	Debatesâ€”Stochastic subsurface hydrology from theory to practice: The relevance of stochastic subsurface hydrology to practical problems of contaminant transport and remediation. What is characterization and stochastic theory good for?. Water Resources Research, 2016, 52, 9228-9234.	4.2	38
52	2D probabilistic prediction of sparsely measured earth properties constrained by geophysical imaging fully accounting for tomographic reconstruction ambiguity. Environmental Earth Sciences, 2016, 75, 1.	2.7	3
53	Experimental recharge by small-diameter wells: the Pirna, Saxony, case study. Environmental Earth Sciences, 2016, 75, 1.	2.7	10
54	Time-domain reflectometry probing systems for the monitoring of hydrological processes in the unsaturated zone. Hydrogeology Journal, 2016, 24, 1297-1309.	2.1	2

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55	Reply to comment by S. Neuman on â€œIs unique scaling of aquifer macrodispersivity supported by field data?â€. Water Resources Research, 2016, 52, 4203-4205.	4.2	1
56	Assessment of small-diameter shallow wells for managed aquifer recharge at a site in southern Styria, Austria. Hydrogeology Journal, 2016, 24, 2079-2091.	2.1	10
57	Editorial: Thematic Issue for the International Conference: novel methods for subsurface characterization and monitoring: from theory to practice (NovCare 2015). Environmental Earth Sciences, 2016, 75, 1.	2.7	0
58	Gas-phase formation during thermal energy storage in near-surface aquifers: experimental and modelling results. Environmental Earth Sciences, 2016, 75, 1.	2.7	12
59	A Triggered Depthâ€Dependent Sampling System to Overcome the Carryâ€Over Effects of the Membrane Interface Probe. Ground Water Monitoring and Remediation, 2016, 36, 54-61.	0.8	1
60	Reassessing the MADE directâ€push hydraulic conductivity data using a revised calibration procedure. Water Resources Research, 2016, 52, 8970-8985.	4.2	19
61	Technique, analysis routines, and application of direct push-driven in situ color logging. Environmental Earth Sciences, 2016, 75, 1.	2.7	12
62	Development of in-aquifer heat testing for high resolution subsurface thermal-storage capability characterisation. Journal of Hydrology, 2016, 534, 113-123.	5.4	14
63	Monitoring Environmental Water with Ground Albedo Neutrons from Cosmic Rays. , 2016, , .		11
64	2D Probabilistic Prediction of Sparsely Measured Geotechnical Parameters Constrained by Tomographic Ambiguity and Measurements Errors. , 2016, , .		1
65	Footprint characteristics revised for fieldâ€scale soil moisture monitoring with cosmicâ€ray neutrons. Water Resources Research, 2015, 51, 5772-5790.	4.2	189
66	Spatial and Temporal Dynamics of Hillslopeâ€Scale Soil Moisture Patterns: Characteristic States and Transition Mechanisms. Vadose Zone Journal, 2015, 14, 1-16.	2.2	51
67	Comparison of Phytoscreening and Directâ€Pushâ€Based Site Investigation at a Rural Megasite Contaminated with Chlorinated Ethenes. Ground Water Monitoring and Remediation, 2015, 35, 45-56.	0.8	7
68	Application of Monitoring Methods for Remote Detection of Atmospheric CO 2 - Concentration Levels during a Back-Production Test at the Ketzin Pilot Site. Energy Procedia, 2015, 76, 528-535.	1.8	4
69	Is unique scaling of aquifer macrodispersivity supported by field data?. Water Resources Research, 2015, 51, 7662-7679.	4.2	76
70	Estimation of Catchmentâ€Scale Soil Moisture Patterns Based on Terrain Data and Sparse TDR Measurements Using a Fuzzy Câ€Means Clustering Approach. Vadose Zone Journal, 2015, 14, 1-16.	2.2	32
71	Systematic description of direct push sensor systems: A conceptual framework for system decomposition as a basis for the optimal sensor system design. Journal of Applied Geophysics, 2015, 122, 210-217.	2.1	12
72	Sustainable Intensive Thermal Use of the Shallow Subsurfaceâ€”A Critical View on the Status Quo. Ground Water, 2015, 53, 356-361.	1.3	35

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73	MONACOâ€"Monitoring Approach for Geological CO2 Storage Sites Using a Hierarchical Observation Concept. Advanced Technologies in Earth Sciences, 2015, , 33-57.	0.9	4
74	Innovative strategies for high resolution site characterization: application to a flood plain. Acque Sotterranee - Italian Journal of Groundwater, 2014, 3, .	0.3	4
75	Joint interpretation of geoelectrical and soilâ€gas measurements for monitoring CO₂ releases at a natural analogue. Near Surface Geophysics, 2014, 12, 165-178.	1.2	16
76	HESS Opinions: From response units to functional units: a thermodynamic reinterpretation of the HRU concept to link spatial organization and functioning of intermediate scale catchments. Hydrology and Earth System Sciences, 2014, 18, 4635-4655.	4.9	78
77	Reliability of MASW profiling in nearâ€surface applications. Near Surface Geophysics, 2014, 12, 731-737.	1.2	5
78	Numerical assessment of ASR recharge using small-diameter wells and surface basins. Journal of Hydrology, 2014, 517, 54-63.	5.4	33
79	Influence of source thickness on steady-state plume length. Environmental Earth Sciences, 2014, 71, 959-964.	2.7	5
80	An integrative hierarchical monitoring approach applied at a natural analogue site to monitor CO2 degassing areas. Acta Geotechnica, 2014, 9, 127-133.	5.7	6
81	Thermal tracer testing in a sedimentary aquifer: field experiment (Lauswiesen, Germany) and numerical simulation. Hydrogeology Journal, 2014, 22, 175-187.	2.1	35
82	Comparative study to evaluate three ground-based optical remote sensing techniques under field conditions by a gas tracer experiment. Environmental Earth Sciences, 2014, 72, 1435-1441.	2.7	10
83	NovCare 2013 (Novel methods for subsurface characterization and monitoring: from theory to) Tj ETQq1 1 0.784314 rgBT /Overlock	2.7	1
84	Determination of Hydraulic Conductivity from Grainâ€Size Distribution for Different Depositional Environments. Ground Water, 2014, 52, 823-824.	1.3	2
85	Uncertainties of LAI estimation from satellite imaging due to atmospheric correction. Remote Sensing of Environment, 2014, 153, 24-39.	11.0	20
86	Noninvasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals. Environmental Science and Pollution Research, 2014, 21, 8914-8931.	5.3	55
87	Are Earth Sciences lagging behind in data integration methodologies?. Environmental Earth Sciences, 2014, 71, 1997-2003.	2.7	3
88	Delineation of areas with different temporal behavior of soil properties at a landslide affected Alpine hillside using time-lapse electromagnetic data. Environmental Earth Sciences, 2014, 72, 1357-1366.	2.7	8
89	A comparison of calibration sampling schemes at the field scale. Geoderma, 2014, 232-234, 243-256.	5.1	38
90	MuSaWa: Multi-Scale S-wave Tomography for Exploration and Risk Assessment of Development Sites. Advanced Technologies in Earth Sciences, 2014, , 95-114.	0.9	2

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91	WESS: an interdisciplinary approach to catchment research. Environmental Earth Sciences, 2013, 69, 313-315.	2.7	1
92	Catchments as reactors: a comprehensive approach for water fluxes and solute turnover. Environmental Earth Sciences, 2013, 69, 317-333.	2.7	71
93	Delineation of fluvial sediment architecture of subalpine riverine systems using noninvasive hydrogeophysical methods. Environmental Earth Sciences, 2013, 69, 633-644.	2.7	6
94	A laboratory study of tracer tomography. Hydrogeology Journal, 2013, 21, 1265-1274.	2.1	29
95	Ground-based Remote Sensing with Open-path Fourier- transform Infrared (OP-FTIR) Spectroscopy for Large-scale Monitoring of Greenhouse Gases. Energy Procedia, 2013, 37, 4276-4282.	1.8	16
96	Impacts of the use of the geological subsurface for energy storage: an investigation concept. Environmental Earth Sciences, 2013, 70, 3935-3943.	2.7	138
97	Diagnostic monitoring to identify preferential near-surface structures for CO2 degassing into the atmosphere: Tools for investigations at different spatial scales validated at a natural analogue site. International Journal of Greenhouse Gas Control, 2013, 18, 285-295.	4.6	16
98	Two-dimensional geomorphological characterization of a filled abandoned meander using geophysical methods and soil sampling. Geomorphology, 2013, 201, 335-343.	2.6	22
99	Hydraulic profiling with the direct-push permeameter: Assessment of probe configuration and analysis methodology. Journal of Hydrology, 2013, 496, 195-204.	5.4	6
100	An Integrative Hierarchical Monitoring Approach for Detecting and Characterizing CO2 Releases. Energy Procedia, 2013, 37, 4257-4267.	1.8	8
101	Field comparison of selected methods for vertical soil water content profiling. Journal of Hydrology, 2013, 501, 205-212.	5.4	16
102	Digital Soil Mapping: Approaches to Integrate Sensing Techniques to the Prediction of Key Soil Properties. Vadose Zone Journal, 2013, 12, 1-4.	2.2	7
103	Rapid field application of hydraulic tomography for resolving aquifer heterogeneity in unconsolidated sediments. Water Resources Research, 2013, 49, 2013-2024.	4.2	62
104	Analysis of Vegetation and Soil Patterns using Hyperspectral Remote Sensing, EMI, and Gammaâ€Ray Measurements. Vadose Zone Journal, 2013, 12, 1-15.	2.2	28
105	Assessment of shallow subsurface characterisation with non-invasive geophysical methods at the intermediate hill-slope scale. Hydrology and Earth System Sciences, 2013, 17, 1297-1307.	4.9	10
106	Linking Geophysics and Soil Function Modelingâ€"An Application Study for Biomass Production. Vadose Zone Journal, 2013, 12, 1-13.	2.2	8
107	Soil Moisture Assessment over an Alpine Hillslope with Significant Soil Heterogeneity. Vadose Zone Journal, 2013, 12, 1-12.	2.2	4
108	Combination of electromagnetic induction and gamma spectrometry using Kâ€means clustering: A study for evaluation of site partitioning. Journal of Plant Nutrition and Soil Science, 2012, 175, 345-354.	1.9	15

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109	A systematic benchmarking approach for geologic CO2 injection and storage. Environmental Earth Sciences, 2012, 67, 613-632.	2.7	41
110	Feasibility of geoelectrical monitoring and multiphase modeling for process understanding of gaseous CO2 injection into a shallow aquifer. Environmental Earth Sciences, 2012, 67, 447-462.	2.7	48
111	Investigation of the geochemical impact of CO2 on shallow groundwater: design and implementation of a CO2 injection test in Northeast Germany. Environmental Earth Sciences, 2012, 67, 335-349.	2.7	91
112	Natural analogues: a potential approach for developing reliable monitoring methods to understand subsurface CO2 migration processes. Environmental Earth Sciences, 2012, 67, 411-423.	2.7	54
113	Joint application of geophysical methods and Direct Push-soil gas surveys for the improved delineation of buried fault zones. Journal of Applied Geophysics, 2012, 82, 129-136.	2.1	29
114	Delineation of subsurface hydrocarbon contamination at a former hydrogenation plant using spectral induced polarization imaging. Journal of Contaminant Hydrology, 2012, 136-137, 131-144.	3.3	95
115	Use of CPT and other direct push methods for (hydro-) stratigraphic aquifer characterizationÂâ€" a field study. Canadian Geotechnical Journal, 2012, 49, 197-206.	2.8	18
116	Geostatistical analysis of centimeterâ€scale hydraulic conductivity variations at the MADE site. Water Resources Research, 2012, 48, .	4.2	63
117	Derivation of siteâ€specific relationships between hydraulic parameters and pâ€wave velocities based on hydraulic and seismic tomography. Water Resources Research, 2012, 48, .	4.2	22
118	Highâ€resolution water content estimation from surfaceâ€based groundâ€penetrating radar reflection data by impedance inversion. Water Resources Research, 2012, 48, .	4.2	38
119	Noninvasive Monitoring of Soil Static Characteristics and Dynamic States: A Case Study Highlighting Vegetation Effects on Agricultural Land. Vadose Zone Journal, 2012, 11, vzj2011.0195.	2.2	42
120	Zonal cooperative inversion of partially coâ€located data sets constrained by structural a priori information. Near Surface Geophysics, 2012, 10, 103-116.	1.2	3
121	International viewpoint and news. Environmental Earth Sciences, 2012, 66, 1279-1284.	2.7	18
122	Evaluation of Vertical Variations in Hydraulic Conductivity in Unconsolidated Sediments. Ground Water, 2012, 50, 450-456.	1.3	16
123	Carryâ€Over Effects of the Membrane Interface Probe. Ground Water, 2012, 50, 578-584.	1.3	11
124	Relevance of Deterministic Structures for Modeling of Transport: The Lauswiesen Case Study. Ground Water, 2012, 50, 935-942.	1.3	10
125	Akupunktur fÃ¼r den Boden? Direct Push â€" mit Nadelstichen dem Untergrund auf der Spur. Grundwasser, 2012, 17, 1-1.	1.4	2
126	A field assessment of highâ€resolution aquifer characterization based on hydraulic travel time and hydraulic attenuation tomography. Water Resources Research, 2011, 47, .	4.2	78

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127	Length of 3â€D mixingâ€controlled plumes for a fully penetrating contaminant source with finite width. Water Resources Research, 2011, 47, .	4.2	17
128	Bayesian frequency-domain blind deconvolution of ground-penetrating radar data. Journal of Applied Geophysics, 2011, 75, 615-630.	2.1	14
129	A field comparison of BTEX mass flow rates based on integral pumping tests and point scale measurements. Journal of Contaminant Hydrology, 2011, 122, 1-15.	3.3	10
130	Three-dimensional hydrostratigraphic models from ground-penetrating radar and direct-push data. Journal of Hydrology, 2011, 398, 235-245.	5.4	37
131	Field evaluation of methods for determining hydraulic conductivity from grain size data. Journal of Hydrology, 2011, 400, 58-71.	5.4	81
132	Comparison of approaches for the characterization of contamination at rural megasites. Environmental Earth Sciences, 2011, 63, 1239-1249.	2.7	14
133	A Network of Terrestrial Environmental Observatories in Germany. Vadose Zone Journal, 2011, 10, 955-973.	2.2	401
134	Characterizing Hydraulic Conductivity with the Directâ€push Permeameter. Ground Water, 2010, 48, 792-795.	1.3	1
135	Automated integration of partially colocated models: Subsurface zonation using a modified fuzzy c -means cluster analysis algorithm. Geophysics, 2010, 75, P11-P22.	2.6	36
136	Spatial characterization of the hydraulic conductivity using directâ€push injection logging. Water Resources Research, 2010, 46, .	4.2	52
137	iSOIL: An EU Project to Integrate Geophysics, Digital Soil Mapping, and Soil Science. , 2010, , 103-110.		5
138	Integrated analysis and interpretation of crossâ€hole Pâ€and Sâ€wave tomograms: a case study. Near Surface Geophysics, 2009, 7, 101-109.	1.2	32
139	Influence of temporally variable groundwater flow conditions on point measurements and contaminant mass flux estimations. Journal of Contaminant Hydrology, 2009, 108, 118-133.	3.3	24
140	iSOIL: exploring the soil as the basis for quality crop production and food security. Quality Assurance and Safety of Crops and Foods, 2009, 1, 117-120.	3.4	6
141	Evaluation of Combined Directâ€Push Methods Used for Aquifer Model Generation. Ground Water, 2009, 47, 536-546.	1.3	28
142	Near-surface seismic traveltime tomography using a direct-push source and surface-planted geophones. Geophysics, 2009, 74, G17-G25.	2.6	14
143	Direct push-technologies. , 2009, , 347-366.		17
144	Geophysik fÃ¼r die hydrogeologische Praxis. Grundwasser, 2008, 13, 67-67.	1.4	0

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145	A Rapid Method for Hydraulic Profiling in Unconsolidated Formations. Ground Water, 2008, 46, 323-328.	1.3	92
146	A Comparison of Electrical Resistivity, Ground Penetrating Radar and Seismic Refraction Results at a River Terrace Site. Journal of Environmental and Engineering Geophysics, 2008, 13, 325-333.	0.5	32
147	High-resolution aquifer characterization using seismic cross-hole tomography: An evaluation experiment in a gravel delta. Journal of Hydrology, 2007, 336, 171-185.	5.4	13
148	An inversion strategy for hydraulic tomography: Coupling travel time and amplitude inversion. Journal of Hydrology, 2007, 345, 184-198.	5.4	45
149	Characterizing Hydraulic Conductivity with the Direct-Push Permeameter. Ground Water, 2007, 45, 409-419.	1.3	83
150	Characterization of fractured porous media. , 2007, , 375-392.		2
151	Combination of Near Surface Geophysical and Geotechnical Methods for Exploring Construction Sites. , 2007, , .		2
152	What information can we get from pumping tests?-comparing pumping test configurations using sensitivity coefficients. Journal of Hydrology, 2006, 319, 199-215.	5.4	56
153	Natural attenuation research at the contaminated megasite Zeitz. Journal of Hydrology, 2006, 328, 393-407.	5.4	56
154	Analysis of multiâ€offset GPR data: a case study in a coarseâ€grained gravel aquifer. Near Surface Geophysics, 2006, 4, 227-240.	1.2	16
155	Wissenstransfer und Gremienarbeit. Grundwasser, 2006, 11, 63-63.	1.4	0
156	Direct Push-Technologies. , 2006, , 321-340.		55
157	3-D numerical evaluation of density effects on tracer tests. Journal of Contaminant Hydrology, 2005, 81, 89-105.	3.3	44
158	Finiteness of steady state plumes. Water Resources Research, 2005, 41, .	4.2	61
159	Inversion strategy in crosshole radar tomography using information of data subsets. Geophysics, 2004, 69, 222-230.	2.6	25
160	An approach to determine equivalent solutions to the geoelectrical 2D inversion problem. Journal of Applied Geophysics, 2004, 56, 79-91.	2.1	17
161	Influence of natural time-dependent variations of electrical conductivity on DC resistivity measurements. Journal of Hydrology, 2004, 285, 215-232.	5.4	75
162	Investigation of the effects of fractured porous media on hydraulic testsâ€”an experimental study at laboratory scale using single well methods. Journal of Hydrology, 2004, 297, 95-108.	5.4	18

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163	A travel time based hydraulic tomographic approach. Water Resources Research, 2003, 39, .	4.2	144
164	Integrating surface georadar and crosshole radar tomography: A validation experiment in braided stream deposits. Geophysics, 2002, 67, 1516-1523.	2.6	40
165	Thermo-tectonic history of the Tethyan Himalayas deduced from the palaeomagnetic record of metacarbonates from Shiar Khola (Central Nepal). Journal of Asian Earth Sciences, 2002, 20, 203-210.	2.3	14
166	Forward modeling of ground-penetrating radar data using digitized outcrop images and multiple scenarios of water saturation. Water Resources Research, 2001, 37, 1615-1625.	4.2	43
167	Improved crosshole radar tomography by using direct and reflected arrival times. Journal of Applied Geophysics, 2001, 47, 97-105.	2.1	39
168	Lithologic inversion of tomographic data. , 1997, , .		4
169	Identification of the permeability distribution in soil by hydraulic tomography. Inverse Problems, 1995, 11, 353-360.	2.0	167
170	Application of tomographic methods for aquifer parameter identification. Zeitschrift Der Deutschen Geologischen Gesellschaft, 1995, 146, 161-166.	0.1	2
171	WATCHING GRASS GROW- A PILOT STUDY ON THE SUITABILITY OF PHOTOGRAMMETRIC TECHNIQUES FOR QUANTIFYING CHANGE IN ABOVEGROUND BIOMASS IN GRASSLAND EXPERIMENTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 539-542.	0.2	6