

Am Binley

List of Publications by Year in descending order

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226
papers

15,729
citations

22153

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116
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docs citations

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times ranked

9918
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the joint use of GPR and ERT on mapping shallow subsurface features of karst critical zone in southwest China. <i>Vadose Zone Journal</i> , 2022, 21, e20172.	2.2	9
2	Hydrological properties predict the composition of microbial communities cycling methane and nitrogen in rivers. <i>ISME Communications</i> , 2022, 2, .	4.2	3
3	Soil moisture and electrical conductivity relationships under typical Loess Plateau land covers. <i>Vadose Zone Journal</i> , 2022, 21, .	2.2	6
4	Contrasting Biophysical Controls on Carbon Dioxide and Methane Outgassing From Streams. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	11
5	EMagPy: Open-source standalone software for processing, forward modeling and inversion of electromagnetic induction data. <i>Computers and Geosciences</i> , 2021, 146, 104561.	4.2	33
6	Efficient multiscale imaging of subsurface resistivity with uncertainty quantification using ensemble Kalman inversion. <i>Geophysical Journal International</i> , 2021, 225, 887-905.	2.4	16
7	Advancing hydrological process understanding from long-term resistivity monitoring systems. <i>Wiley Interdisciplinary Reviews: Water</i> , 2021, 8, e1513.	6.5	20
8	Assessing the dynamics of soil salinity with time-lapse inversion of electromagnetic data guided by hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1509-1527.	4.9	13
9	Spatial and temporal dynamics of nitrogen exchange in an upwelling reach of a groundwater-fed river and potential response to perturbations changing rainfall patterns under UK climate change scenarios. <i>Hydrological Processes</i> , 2021, 35, e14135.	2.6	3
10	A linked geomorphological and geophysical modelling methodology applied to an active landslide. <i>Landslides</i> , 2021, 18, 2689-2704.	5.4	19
11	Quantifying snow water equivalent using terrestrial ground penetrating radar and unmanned aerial vehicle photogrammetry. <i>Hydrological Processes</i> , 2021, 35, e14190.	2.6	5
12	The Application of Electromagnetic Induction Methods to Reveal the Hydrogeological Structure of a Riparian Wetland. <i>Water Resources Research</i> , 2021, 57, e2020WR029221.	4.2	13
13	A Comparative Study of Conceptual Model Complexity to Describe Water Flow and Nitrate Transport in Deep Unsaturated Loess. <i>Water Resources Research</i> , 2021, 57, e2020WR029250.	4.2	5
14	On negative induced polarization in frequency domain measurements. <i>Geophysical Journal International</i> , 2021, 225, 342-353.	2.4	7
15	Limitations and considerations for electrical resistivity and induced polarization imaging of riverbed sediments: Observations from laboratory, field, and synthetic experiments. <i>Journal of Applied Geophysics</i> , 2020, 183, 104173.	2.1	7
16	Accounting for heterogeneity in the ρ_a - ρ_b relationship: Application to wheat phenotyping using EMI. <i>Vadose Zone Journal</i> , 2020, 19, e20037.	2.2	11
17	Time-lapse geophysical assessment of agricultural practices on soil moisture dynamics. <i>Vadose Zone Journal</i> , 2020, 19, e20080.	2.2	28
18	Time-intensive geoelectrical monitoring under winter wheat. <i>Near Surface Geophysics</i> , 2020, 18, 413-425.	1.2	7

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19	Prediction of regional-scale groundwater recharge and nitrate storage in the vadose zone: A comparison between a global model and a regional model. <i>Hydrological Processes</i> , 2020, 34, 3347-3357.	2.6	7
20	Borehole effect causing artefacts in cross-borehole electrical resistivity tomography: A hydraulic fracturing case study. <i>Near Surface Geophysics</i> , 2020, 18, 445-462.	1.2	8
21	Electrical resistivity monitoring of river-groundwater interactions in a Chalk river and neighbouring riparian zone. <i>Near Surface Geophysics</i> , 2020, 18, 385-398.	1.2	19
22	A multi-technique approach to determine temporal and spatial variability of groundwater-stream water exchange. <i>Hydrological Processes</i> , 2020, 34, 2612-2627.	2.6	2
23	Integrated hydrogeophysical modelling and data assimilation for geoelectrical leak detection. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103679.	3.3	29
24	Towards understanding time-lapse electrical resistivity signals measured during contaminated snowmelt infiltration. <i>Near Surface Geophysics</i> , 2020, 18, 399-412.	1.2	5
25	Determining the Impact of Riparian Wetlands on Nutrient Cycling, Storage and Export in Permeable Agricultural Catchments. <i>Water (Switzerland)</i> , 2020, 12, 167.	2.7	14
26	ReslPy, an intuitive open source software for complex geoelectrical inversion/modeling. <i>Computers and Geosciences</i> , 2020, 137, 104423.	4.2	100
27	On the Field Estimation of Moisture Content Using Electrical Geophysics: The Impact of Petrophysical Model Uncertainty. <i>Water Resources Research</i> , 2019, 55, 7196-7211.	4.2	23
28	Evaluation of electrical resistivity tomography (ERT) for mapping the soil-rock interface in karstic environments. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	40
29	Monitoring redox sensitive conditions at the groundwater interface using electrical resistivity and self-potential. <i>Journal of Contaminant Hydrology</i> , 2019, 226, 103517.	3.3	8
30	Capacity and Distribution of Water Stored in the Vadose Zone of the Chinese Loess Plateau. <i>Vadose Zone Journal</i> , 2019, 18, 180203.	2.2	9
31	Characterization of karst structures using quasi-3D electrical resistivity tomography. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	24
32	Analysis of time-lapse data error in complex conductivity imaging to alleviate anthropogenic noise for site characterization. <i>Geophysics</i> , 2019, 84, B181-B193.	2.6	11
33	Effect of clay content and distribution on hydraulic and geophysical properties of synthetic sand-clay mixtures. <i>Geophysics</i> , 2019, 84, E239-E253.	2.6	13
34	Spatial variations in soil-water carrying capacity of three typical revegetation species on the Loess Plateau, China. <i>Agriculture, Ecosystems and Environment</i> , 2019, 273, 25-35.	5.3	115
35	Laboratory spectral induced polarisation signatures associated with iron and manganese oxide dissolution because of anaerobic degradation. <i>Journal of Contaminant Hydrology</i> , 2019, 221, 1-10.	3.3	2
36	Estimation of the permeability of hydrocarbon reservoir samples using induced polarization and nuclear magnetic resonance methods. <i>Geophysics</i> , 2019, 84, MR73-MR84.	2.6	6

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37	Use and application of CFC-11, CFC-12, CFC-113 and SF6 as environmental tracers of groundwater residence time: A review. <i>Geoscience Frontiers</i> , 2019, 10, 1643-1652.	8.4	34
38	Mineral N stock and nitrate accumulation in the 50 to 200 m profile on the Loess Plateau. <i>Science of the Total Environment</i> , 2018, 633, 999-1006.	8.0	67
39	Combined Geophysical Measurements Provide Evidence for Unfrozen Water in Permafrost in the Adventdalen Valley in Svalbard. <i>Geophysical Research Letters</i> , 2018, 45, 7606-7614.	4.0	34
40	Influence of tree species and forest land use on soil hydraulic conductivity and implications for surface runoff generation. <i>Geoderma</i> , 2018, 310, 120-127.	5.1	61
41	Use of small scale electrical resistivity tomography to identify soil-root interactions during deficit irrigation. <i>Journal of Hydrology</i> , 2018, 556, 310-324.	5.4	46
42	Headwater gas exchange quantified from O ₂ mass balances at the reach scale. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 696-709.	2.0	6
43	Stoichiometric constraints on the microbial processing of carbon with soil depth along a riparian hillslope. <i>Biology and Fertility of Soils</i> , 2018, 54, 949-963.	4.3	30
44	A Comparison of Ground Penetrating Radar Early Time Signal Approaches for Mapping Changes in Shallow Soil Water Content. <i>Vadose Zone Journal</i> , 2018, 17, 1-11.	2.2	9
45	Simulation of soil water flow and heat transport in drip irrigated potato field with raised beds and full plastic-film mulch in a semiarid area. <i>Agricultural Water Management</i> , 2018, 209, 178-187.	5.6	29
46	Characterizing the heterogeneity of karst critical zone and its hydrological function: An integrated approach. <i>Hydrological Processes</i> , 2018, 32, 2932-2946.	2.6	58
47	A Lumped Bubble Capacitance Model Controlled by Matrix Structure to Describe Layered Biogenic Gas Bubble Storage in Shallow Subtropical Peat. <i>Water Resources Research</i> , 2018, 54, 5487-5503.	4.2	1
48	Recharge and Nitrate Transport Through the Deep Vadose Zone of the Loess Plateau: A Regional Scale Model Investigation. <i>Water Resources Research</i> , 2018, 54, 4332-4346.	4.2	73
49	Methods to estimate changes in soil water for phenotyping root activity in the field. <i>Plant and Soil</i> , 2017, 415, 407-422.	3.7	72
50	Scenario Evaluator for Electrical Resistivity Survey Pre-modeling Tool. <i>Ground Water</i> , 2017, 55, 885-890.	1.3	4
51	Geophysical characterisation of the groundwater-surface water interface. <i>Advances in Water Resources</i> , 2017, 109, 302-319.	3.8	84
52	Root growth in field-grown winter wheat: Some effects of soil conditions, season and genotype. <i>European Journal of Agronomy</i> , 2017, 91, 74-83.	4.1	77
53	Improved characterisation and modelling of measurement errors in electrical resistivity tomography (ERT) surveys. <i>Journal of Applied Geophysics</i> , 2017, 146, 103-119.	2.1	59
54	Reach-scale river metabolism across contrasting sub-catchment geologies: Effect of light and hydrology. <i>Limnology and Oceanography</i> , 2017, 62, S381-S399.	3.1	22

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55	HP Volume to honor Keith Beven. Hydrological Processes, 2017, 31, 3762-3764.	2.6	0
56	Global patterns of nitrate storage in the vadose zone. Nature Communications, 2017, 8, 1416.	12.8	233
57	Hydrological controls on DOC: nitrate resource stoichiometry in a lowland, agricultural catchment, southern UK. Hydrology and Earth System Sciences, 2017, 21, 4785-4802.	4.9	25
58	Importance and controls of anaerobic ammonium oxidation influenced by riverbed geology. Nature Geoscience, 2016, 9, 357-360.	12.9	76
59	Deep roots and soil structure. Plant, Cell and Environment, 2016, 39, 1662-1668.	5.7	115
60	Characterization of reactive transport by 3-D electrical resistivity tomography (ERT) under unsaturated conditions. Water Resources Research, 2016, 52, 8295-8316.	4.2	5
61	Goelectrical monitoring of simulated subsurface leakage to support high-hazard nuclear decommissioning at the Sellafield Site, UK. Science of the Total Environment, 2016, 566-567, 350-359.	8.0	37
62	A laboratory study to estimate pore geometric parameters of sandstones using complex conductivity and nuclear magnetic resonance for permeability prediction. Water Resources Research, 2016, 52, 4321-4337.	4.2	31
63	The hydrogeologic information in cross-borehole complex conductivity data from an unconsolidated conglomeratic sedimentary aquifer. Geophysics, 2016, 81, E409-E421.	2.6	22
64	Integrated time-lapse goelectrical imaging of wetland hydrological processes. Water Resources Research, 2016, 52, 1607-1625.	4.2	36
65	Diffusive equilibrium in thin films provides evidence of suppression of hyporheic exchange and large-scale nitrate transformation in a groundwater-fed river. Hydrological Processes, 2015, 29, 1385-1396.	2.6	9
66	Estimation of Recharge from Long-Term Monitoring of Saline Tracer Transport Using Electrical Resistivity Tomography. Vadose Zone Journal, 2015, 14, 1-13.	2.2	14
67	Temporal responses of groundwater-surface water exchange to successive storm events. Water Resources Research, 2015, 51, 1112-1126.	4.2	57
68	Coupled and uncoupled hydrogeophysical inversions using ensemble Kalman filter assimilation of ERT-monitored tracer test data. Water Resources Research, 2015, 51, 3277-3291.	4.2	55
69	Predicting permeability from the characteristic relaxation time and intrinsic formation factor of complex conductivity spectra. Water Resources Research, 2015, 51, 6672-6700.	4.2	86
70	Anomalous solute transport in saturated porous media: Relating transport model parameters to electrical and nuclear magnetic resonance properties. Water Resources Research, 2015, 51, 1264-1283.	4.2	33
71	Time-lapse electrical resistivity imaging of solute transport in a karst conduit. Hydrological Processes, 2015, 29, 4968-4976.	2.6	17
72	The Use of Electromagnetic Induction to Monitor Changes in Soil Moisture Profiles beneath Different Wheat Genotypes. Soil Science Society of America Journal, 2015, 79, 459-466.	2.2	80

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73	The interplay between transport and reaction rates as controls on nitrate attenuation in permeable, streambed sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1093-1109.	3.0	44
74	Fluvial response to Late Pleistocene and Holocene environmental change in a Thames chalkland headwater: the Lambourn of southern England. <i>Proceedings of the Geologists Association</i> , 2015, 126, 683-697.	1.1	15
75	Tools and Techniques: Electrical Methods. , 2015, , 233-259.		74
76	Self-potential monitoring of the enhanced biodegradation of an organic contaminant using a bioelectrochemical cell. <i>The Leading Edge</i> , 2015, 34, 198-202.	0.7	9
77	Permeability prediction based on induced polarization: Insights from measurements on sandstone and unconsolidated samples spanning a wide permeability range. <i>Geophysics</i> , 2015, 80, D161-D173.	2.6	86
78	The emergence of hydrogeophysics for improved understanding of subsurface processes over multiple scales. <i>Water Resources Research</i> , 2015, 51, 3837-3866.	4.2	479
79	An overview of a highly versatile forward and stable inverse algorithm for airborne, ground-based and borehole electromagnetic and electric data. <i>Exploration Geophysics</i> , 2015, 46, 223-235.	1.1	230
80	GLUE: 20 years on. <i>Hydrological Processes</i> , 2014, 28, 5897-5918.	2.6	239
81	Interpreting spatial patterns in redox and coupled water-nitrogen fluxes in the streambed of a gaining river reach. <i>Biogeochemistry</i> , 2014, 117, 491-509.	3.5	22
82	Electrical-hydraulic relationships observed for unconsolidated sediments in the presence of a cobble framework. <i>Water Resources Research</i> , 2014, 50, 5721-5742.	4.2	21
83	The effect of peat structure on the spatial distribution of biogenic gases within bogs. <i>Hydrological Processes</i> , 2014, 28, 5483-5494.	2.6	29
84	Fine-Scale in Situ Measurement of Riverbed Nitrate Production and Consumption in an Armored Permeable Riverbed. <i>Environmental Science & Technology</i> , 2014, 48, 4425-4434.	10.0	23
85	Impact of microforms on nitrate transport at the groundwater-surface water interface in gaining streams. <i>Advances in Water Resources</i> , 2014, 73, 185-197.	3.8	5
86	Influence of emergent vegetation on nitrate cycling in sediments of a groundwater-fed river. <i>Biogeochemistry</i> , 2014, 118, 121-134.	3.5	20
87	Noninvasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8914-8931.	5.3	55
88	Derivation of lowland riparian wetland deposit architecture using geophysical image analysis and interface detection. <i>Water Resources Research</i> , 2014, 50, 5886-5905.	4.2	41
89	Prospective modelling of 3D hyporheic exchange based on high-resolution topography and stream elevation. <i>Hydrological Processes</i> , 2014, 28, 2579-2594.	2.6	12
90	Control of river stage on the reactive chemistry of the hyporheic zone. <i>Hydrological Processes</i> , 2014, 28, 4766-4779.	2.6	26

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91	Long-term Geoelectrical Monitoring to Support Nuclear Decommissioning at the Sellafield Site, UK. , 2014, , .		0
92	ON THE IMPORTANCE OF CONSIDERING CHANNEL MICROFORMS IN GROUNDWATER MODELS OF HYPORHEIC EXCHANGE. River Research and Applications, 2013, 29, 528-535.	1.7	27
93	Strategies for characterization of fractured rock using cross-borehole electrical tomography. The Leading Edge, 2013, 32, 784-790.	0.7	4
94	Laboratory SIP signatures associated with oxidation of disseminated metal sulfides. Journal of Contaminant Hydrology, 2013, 148, 25-38.	3.3	31
95	A Bayesian trans-dimensional approach for the fusion of multiple geophysical datasets. Journal of Applied Geophysics, 2013, 96, 38-54.	2.1	21
96	Revealing the spatial variability of water fluxes at the groundwaterâ€surface water interface. Water Resources Research, 2013, 49, 3978-3992.	4.2	63
97	Using geophysics to map areas of potential groundwater discharge into RingkÃ¸bing Fjord, Denmark. The Leading Edge, 2013, 32, 792-796.	0.7	11
98	Resolving spectral information from time domain induced polarization data through 2-D inversion. Geophysical Journal International, 2013, 192, 631-646.	2.4	89
99	A novel grass hybrid to reduce flood generation in temperate regions. Scientific Reports, 2013, 3, 1683.	3.3	53
100	Markov-chain Monte Carlo estimation of distributed Debye relaxations in spectral induced polarization. Geophysics, 2012, 77, E159-E170.	2.6	25
101	Imaging and quantifying salt-tracer transport in a riparian groundwater system by means of 3D ERT monitoring. Geophysics, 2012, 77, B207-B218.	2.6	83
102	Characterization of the key pathways of dissimilatory nitrate reduction and their response to complex organic substrates in hyporheic sediments. Limnology and Oceanography, 2012, 57, 387-400.	3.1	47
103	2-D joint structural inversion of cross-hole electrical resistance and ground penetrating radar data. Journal of Applied Geophysics, 2012, 78, 52-67.	2.1	31
104	A saline tracer test monitored via both surface and cross-borehole electrical resistivity tomography: Comparison of time-lapse results. Journal of Applied Geophysics, 2012, 79, 6-16.	2.1	90
105	Do peatland microforms move through time? Examining the developmental history of a patterned peatland using groundâ€penetrating radar. Journal of Geophysical Research, 2012, 117, .	3.3	16
106	Hydrologic and geomorphic controls on hyporheic exchange during base flow recession in a headwater mountain stream. Water Resources Research, 2012, 48, .	4.2	66
107	Direct geoelectrical evidence of mass transfer at the laboratory scale. Water Resources Research, 2012, 48, .	4.2	34
108	In situ measurement of redox sensitive solutes at high spatial resolution in a riverbed using Diffusive Equilibrium in Thin Films (DET). Ecological Engineering, 2012, 49, 18-26.	3.6	15

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109	Lithologic imaging using complex conductivity: Lessons learned from the Hanford 300 Area. <i>Geophysics</i> , 2012, 77, E397-E409.	2.6	30
110	A Stochastic Analysis of Cross-hole Ground Penetrating Radar Zero-Offset Profiles for Subsurface Characterization. <i>Vadose Zone Journal</i> , 2012, 11, vj2011.0078.	2.2	6
111	An overview of the spectral induced polarization method for near-surface applications. <i>Near Surface Geophysics</i> , 2012, 10, 453-468.	1.2	233
112	Comparing Plume Characteristics Inferred from Cross-Borehole Geophysical Data. <i>Vadose Zone Journal</i> , 2012, 11, vj2012.0031.	2.2	14
113	The effect of groundwater forcing on hyporheic exchange: Reply to comment on Munz M, Krause S, Tecklenburg C, Binley A. Reducing monitoring gaps at the aquifer-river interface by modelling groundwater-surfacewater exchange flow patterns. <i>Hydrological Processes</i> . DOI: 10.1002/hyp.8080. <i>Hydrological Processes</i> , 2012, 26, 1589-1592.	2.6	8
114	Layered and Laterally Constrained 2D Inversion of Time Domain Induced Polarization Data. , 2012, , .		0
115	Characterization of peat structure using X-ray computed tomography and its control on the ebullition of biogenic gas bubbles. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	31
116	Ebullition events monitored from northern peatlands using electrical imaging. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
117	Estimating vadose zone hydraulic properties using ground penetrating radar: The impact of prior information. <i>Water Resources Research</i> , 2011, 47, .	4.2	21
118	Revealing the temporal dynamics of subsurface temperature in a wetland using time-lapse geophysics. <i>Journal of Hydrology</i> , 2011, 396, 258-266.	5.4	33
119	Reducing monitoring gaps at the aquifer-river interface by modelling groundwater-surface water exchange flow patterns. <i>Hydrological Processes</i> , 2011, 25, 3547-3562.	2.6	35
120	2D Time Domain Inversion of Induced Polarization Data. , 2011, , .		0
121	Stochastic Analysis of Cross-hole GPR Data for Subsurface Characterization. , 2011, , .		0
122	Revealing Potential Flow Pathways within the Pow Catchment Using Geophysics - Initial Results and Conceptualisation. , 2011, , .		0
123	Exploiting the temperature effects on low frequency electrical spectra of sandstone: A comparison of effective diffusion path lengths. <i>Geophysics</i> , 2010, 75, A43-A46.	2.6	49
124	Evaluating the effect of using artificial pore water on the quality of laboratory hydraulic conductivity measurements of peat. <i>Hydrological Processes</i> , 2010, 24, 2629-2640.	2.6	23
125	Anisotropic seismic inversion using a multigrid Monte Carlo approach. <i>Geophysical Journal International</i> , 2010, 183, 267-276.	2.4	7
126	In-mine (tunnel-to-tunnel) electrical resistance tomography in South African platinum mines. <i>Near Surface Geophysics</i> , 2010, 8, 563-574.	1.2	13

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127	Soil Management and Grass Species Effects on the Hydraulic Properties of Shrinking Soils. Soil Science Society of America Journal, 2010, 74, 753-761.	2.2	17
128	Geophysical characterization of riverbed hydrostratigraphy using electrical resistance tomography. Near Surface Geophysics, 2010, 8, 493-501.	1.2	22
129	Geostatistical inference using crosshole ground-penetrating radar. Geophysics, 2010, 75, J29-J41.	2.6	17
130	Structural joint inversion of time-lapse crosshole ERT and GPR traveltime data. Geophysical Research Letters, 2010, 37, .	4.0	62
131	Textural controls on low-frequency electrical spectra of porous media. Geophysics, 2010, 75, WA113-WA123.	2.6	80
132	Estimation of vadose zone hydraulic properties from geophysical data using a Bayesian framework: effects of a correlated prior on posterior uncertainties. , 2010, , .		1
133	Cross-gradients Joint Inversion of Time-lapse Crosshole ERT and GPR Data. , 2010, , .		2
134	Integrated Geophysical Characterization of a Hydrocarbon Contaminated Site. , 2010, , .		2
135	Static and dynamic aspects of near surface characterization through physics-based integration of GPR, ERT, SIP and SP data in the time-lapse mode. , 2010, , .		0
136	Stochastic Inversion of Vadose Zone Properties: Impact of Parameter Correlation on Uncertainty Estimates. , 2010, , .		0
137	Imaging Brilliant Blue Stained Soil by Means of Electrical Resistivity Tomography. Vadose Zone Journal, 2009, 8, 963-975.	2.2	25
138	Noninvasive $^3\text{H}_2\text{O}$ Transport Characterization in a Sandy Soil Using ERT: 1. Investigating the Validity of ERT-derived Transport Parameters. Vadose Zone Journal, 2009, 8, 711-722.	2.2	40
139	Noninvasive $^3\text{H}_2\text{O}$ Transport Characterization in a Sandy Soil Using ERT: 2. Transport Process Inference. Vadose Zone Journal, 2009, 8, 723-734.	2.2	28
140	Controls on the spatial and temporal variability of ^{222}Rn in riparian groundwater in a lowland Chalk catchment. Journal of Hydrology, 2009, 376, 58-69.	5.4	35
141	Nitrate concentration changes at the groundwater-surface water interface of a small Cumbrian river. Hydrological Processes, 2009, 23, 2195-2211.	2.6	102
142	Spatio-temporal variations of hyporheic flow in a riffle-step-pool sequence. Hydrological Processes, 2009, 23, 2138-2149.	2.6	100
143	Quantifying the influence of static-like errors in least-squares-based inversion and sequential simulation of cross-borehole ground penetrating radar data. Journal of Applied Geophysics, 2009, 68, 71-84.	2.1	24
144	Critical Steps for the Continuing Advancement of Hydrogeophysics. Eos, 2009, 90, 200-200.	0.1	60

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145	Advancing process-based watershed hydrological research using near-surface geophysics: a vision for, and review of, electrical and magnetic geophysical methods. <i>Hydrological Processes</i> , 2008, 22, 3604-3635.	2.6	228
146	X-ray computed tomography of peat soils: measuring gas content and peat structure. <i>Hydrological Processes</i> , 2008, 22, 4827-4837.	2.6	41
147	Three-dimensional effects causing artifacts in two-dimensional, cross-borehole, electrical imaging. <i>Journal of Hydrology</i> , 2008, 359, 59-70.	5.4	60
148	Ground Penetrating Radar in Hydrogeophysics. <i>Vadose Zone Journal</i> , 2008, 7, 137-139.	2.2	34
149	Quantitative imaging of solute transport in an unsaturated and undisturbed soil monolith with Δ ERT and TDR. <i>Water Resources Research</i> , 2008, 44, .	4.2	133
150	Monitoring Unsaturated Flow and Transport Using Cross-Borehole Geophysical Methods. <i>Vadose Zone Journal</i> , 2008, 7, 227-237.	2.2	112
151	Ecohydrologically important subsurface structures in peatlands revealed by ground-penetrating radar and complex conductivity surveys. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	55
152	Electrical resistivity imaging of the architecture of substream sediments. <i>Water Resources Research</i> , 2008, 44, .	4.2	81
153	Identifying Unsaturated Hydraulic Parameters Using an Integrated Data Fusion Approach on Cross-Borehole Geophysical Data. <i>Vadose Zone Journal</i> , 2008, 7, 238-248.	2.2	96
154	Temporal and spatial variability of groundwater-surface water fluxes: Development and application of an analytical method using temperature time series. <i>Journal of Hydrology</i> , 2007, 336, 1-16.	5.4	456
155	Radon in Chalk streams: Spatial and temporal variation of groundwater sources in the Pang and Lambourn catchments, UK. <i>Journal of Hydrology</i> , 2007, 339, 172-182.	5.4	70
156	Variability of dissolved CO ₂ in the Pang and Lambourn Chalk rivers. <i>Hydrology and Earth System Sciences</i> , 2007, 11, 328-339.	4.9	7
157	Characterising groundwater-dominated lowland catchments: the UK Lowland Catchment Research Programme (LOCAR). <i>Hydrology and Earth System Sciences</i> , 2007, 11, 108-124.	4.9	38
158	Genetically modified hydrographs: what can grass genetics do for temperate catchment hydrology?. <i>Hydrological Processes</i> , 2007, 21, 2217-2221.	2.6	24
159	Electrical resistivity imaging of conductive plume dilution in fractured rock. <i>Hydrogeology Journal</i> , 2007, 15, 877-890.	2.1	28
160	Improved hydrogeophysical characterization using joint inversion of cross-hole electrical resistance and ground-penetrating radar traveltime data. <i>Water Resources Research</i> , 2006, 42, .	4.2	270
161	Tidal influence on behaviour of a coastal aquifer adjacent to a low-relief estuary. <i>Journal of Hydrology</i> , 2006, 327, 110-127.	5.4	131
162	Within-river nutrient processing in Chalk streams: The Pang and Lambourn, UK. <i>Journal of Hydrology</i> , 2006, 330, 101-125.	5.4	70

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163	Streamflow generation in the Pang and Lambourn catchments, Berkshire, UK. <i>Journal of Hydrology</i> , 2006, 330, 71-83.	5.4	29
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