Okke Batelaan

List of Publications by Year
in descending order

173	7,016	71004	81351
papers	citations	43 h-index	76 g-index

205	205	205	8892
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Groundwater quality modeling: On the analogy between integrative PSO and MRFO mathematical and machine learning models. Environmental Quality Management, 2022, 31, 241-251.	1.0	8
2	Cooperation in hydrogeophysics: Enhancing practitioners and institutionsâ€™ groundwater assessment capacity, Vientiane Plain, Lao PDR. Geophysics, 2022, 87, WA49-WA63.	1.4	0
3	Prediction of effluent arsenic concentration of wastewater treatment plants using machine learning and kriging-based models. Environmental Science and Pollution Research, 2022, 29, 20556-20570.	2.7	11
4	Determination of rainy season onset and cessation based on a flexible driest period. Theoretical and Applied Climatology, 2022, 148, 91-104.	1.3	5
5	Groundwater recharge over the past 100 years: Regional spatiotemporal assessment and climate change impact over the <scp>Saguenayâ€Lacâ€Saintâ€Jean</scp> region, Canada. Hydrological Processes, 2022, 36, .	1.1	9
6	Streamflow Prediction in Highly Regulated, Transboundary Watersheds Using Multiâ€Basin Modeling and Remote Sensing Imagery. Water Resources Research, 2022, 58, .	1.7	10
7	A new approach to quantification of groundwater resource stress. Journal of Hydrology: Regional Studies, 2022, 42, 101161.	1.0	2
8	Cooling power of sea breezes and its inland penetration in dry-summer Adelaide, Australia. Atmospheric Research, 2021, 250, 105409.	1.8	5
9	Transport and retention of graphene oxide nanoparticles in sandy and carbonaceous aquifer sediments: Effect of physicochemical factors and natural biofilm. Journal of Environmental Management, 2021, 278, 111419.	3.8	7
10	Rainy season drought severity trend analysis of the Indonesian maritime continent. International Journal of Climatology, 2021, 41, E2194.	1.5	6
11	Fresh groundwater lens dynamics of a small bedrock island in the tropics, Northern Australia. Journal of Hydrology, 2021, 595, 125942.	2.3	7
12	Seesaw Terrestrial Wetting and Drying Between Eastern and Western Australia. Earth's Future, 2021, 9, e2020EF001893.	2.4	4
13	The First Potentiometric Map. Ground Water, 2021, 59, 772-779.	0.7	3
14	Ensemble machine learning paradigms in hydrology: A review. Journal of Hydrology, 2021, 598, 126266.	2.3	212
15	A transdisciplinary engagement with Australian Aboriginal water and the hydrology of a small bedrock island. Hydrological Sciences Journal, 2021, 66, 1845-1856.	1.2	5
16	Spatial and temporal variation in rainy season droughts in the Indonesian Maritime Continent. Journal of Hydrology, 2021, 603, 126999.	2.3	4
17	Review of Hydrogeology: Groundwater Science and Engineering by Alain DassarguesCRC Press, Boca Raton, FL; 2018; ISBN 9781498744003; 472 pp.; $99.95.. Journal of Hydrologic Engineering - ASCE, 2020, 25, 07519007.	0.8	1
18	Spatial and temporal recharge estimation of the basement complex in Nigeria, West Africa. Journal of Hydrology: Regional Studies, 2020, 27, 100658.	1.0	13

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19	Combined physical, chemical and biological clogging of managed aquifer recharge and the effect of biofilm on virus transport behavior: A column study. Journal of Water Process Engineering, 2020, 33, 101115.	2.6	10
20	Mapping catchment-scale unmonitored groundwater abstractions: Approaches based on soft data. Journal of Hydrology: Regional Studies, 2020, 30, 100695.	1.0	5
21	A Systematic Approach to Hydrogeological Conceptual Model Testing, Combining Remote Sensing and Geophysical Data. Water Resources Research, 2020, 56, e2020WR027578.	1.7	14
22	Analytical and Numerical Groundwater Flow Solutions for the FEMME-Modeling Environment. Hydrology, 2020, 7, 27.	1.3	10
23	Effect of bacteria and virus on transport and retention of graphene oxide nanoparticles in natural limestone sediments. Chemosphere, 2020, 248, 125929.	4.2	14
24	A Numerical Stream Transport Modeling Approach Including Multiple Conceptualizations of Hyporheic Exchange and Spatial Variability to Assess Contaminant Removal. Water Resources Research, 2020, 56, e2019WR024987.	1.7	11
25	Role of biofilm on virus inactivation in limestone aquifers: implications for managed aquifer recharge. Journal of Environmental Health Science & Engineering, 2020, 18, 21-34.	1.4	1
26	Identifying recharge under subtle ephemeral features in a flat-lying semi-arid region using a combined geophysical approach. Hydrology and Earth System Sciences, 2020, 24, 4353-4368.	1.9	7
27	Global Soil Moistureâ€Air Temperature Coupling Based on GRACEâ€Derived Terrestrial Water Storage. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7786-7796.	1.2	3
28	Hydrogeological Bayesian Hypothesis Testing through Trans-Dimensional Sampling of a Stochastic Water Balance Model. Water (Switzerland), 2019, 11, 1463.	1.2	9
29	Sea breeze cooling capacity and its influencing factors in a coastal city. Building and Environment, 2019, 166, 106408.	3.0	28
30	Spatiotemporal Dynamics of the Active Perirheic Zone in a Natural Wetland Floodplain. Water Resources Research, 2019, 55, 9544-9562.	1.7	20
31	What Triggers Streamflow for Intermittent Rivers and Ephemeral Streams in Lowâ€Gradient Catchments in Mediterranean Climates. Water Resources Research, 2019, 55, 9926-9946.	1.7	43
32	Is the Hyporheic Zone Relevant beyond the Scientific Community?. Water (Switzerland), 2019, 11, 2230.	1.2	113
33	A New Retrieval Algorithm for Soil Moisture Index from Thermal Infrared Sensor On-Board Geostationary Satellites over Europe and Africa and Its Validation. Remote Sensing, 2019, 11, 1968.	1.8	12
34	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	1.2	474
35	Geophysics used to help find good quality groundwater in the Vientiane Plain, Lao PDR. ASEG Extended Abstracts, 2019, 2019, 1-3.	0.1	0
36	Hydrogeological conceptual model building and testing: A review. Journal of Hydrology, 2019, 569, 310-329.	2.3	97

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37	Response of vegetation cover to climate variability in protected and grazed arid rangelands of South Australia. Journal of Arid Environments, 2019, 161, 64-71.	1.2	11
38	Case Study Kleine Nete: Observation Error and Uncertainty. SpringerBriefs in Applied Sciences and Technology, 2018, , 75-86.	0.2	0
39	The Water Retention Index: Using land use planning to manage water resources in Europe. Sustainable Development, 2018, 26, 122-131.	6.9	17
40	Flux dynamics at the groundwater-surface water interface in a tropical catchment. Limnologica, 2018, 68, 36-45.	0.7	9
41	Dissolved Si export: Impact of increased water fluxes through soil. Geoderma, 2018, 312, 151-158.	2.3	1
42	Uncertainty of groundwater recharge estimated from a water and energy balance model. Journal of Hydrology, 2018, 561, 1081-1093.	2.3	36
43	Physical water scarcity metrics for monitoring progress towards SDG target 6.4: An evaluation of indicator 6.4.2 â€œLevel of water stressâ€• Science of the Total Environment, 2018, 613-614, 218-232.	3.9	223
44	Delineation of spatial-temporal patterns of groundwater/surface-water interaction along a river reach (Aa River, Belgium) with transient thermal modeling. Hydrogeology Journal, 2018, 26, 819-835.	0.9	16
45	Hyporheic Exchange Controls Fate of Trace Organic Compounds in an Urban Stream. Environmental Science & Technology, 2018, 52, 12285-12294.	4.6	60
46	Wetlands in flux: looking for the drivers in a central European case. Wetlands Ecology and Management, 2018, 26, 849-863.	0.7	17
47	Comparison of MODIS and SWAT evapotranspiration over a complex terrain at different spatial scales. Hydrology and Earth System Sciences, 2018, 22, 2775-2794.	1.9	42
48	Using hydraulic head, chloride and electrical conductivity data to distinguish between mountain-front and mountain-block recharge to basin aquifers. Hydrology and Earth System Sciences, 2018, 22, 1629-1648.	1.9	46
49	Active heat pulse sensing of 3-D-flow fields in streambeds. Hydrology and Earth System Sciences, 2018, 22, 1917-1929.	1.9	21
50	Introduction: Setting the Scene. SpringerBriefs in Applied Sciences and Technology, 2018, , 1-14.	0.2	0
51	The Zone-Integrated Double Constraint Method. SpringerBriefs in Applied Sciences and Technology, 2018, , 87-98.	0.2	0
52	Foundations of Forward and Inverse Groundwater Flow Models. SpringerBriefs in Applied Sciences and Technology, 2018, , 15-33.	0.2	1
53	Time Dependency. SpringerBriefs in Applied Sciences and Technology, 2018, , 57-74.	0.2	0
54	Geophysics to enhance agricultural productivity and livelihoods of smallholder farmers through improved groundwater management of the Vientiane Plain, Lao PDR. , 2018, , .		0

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55	A distributed monthly water balance model: formulation and application on Black Volta Basin. Environmental Earth Sciences, 2017, 76, 1.	1.3	56
56	Spatial and temporal variability of groundwater recharge in Geba basin, Northern Ethiopia. Journal of African Earth Sciences, 2017, 134, 198-212.	0.9	21
57	Groundwater residence time and aquifer recharge in multilayered, semi-confined and faulted aquifer systems using environmental tracers. Journal of Hydrology, 2017, 546, 150-165.	2.3	47
58	Trajectory analysis of land use and land cover maps to improve spatialâ€“temporal patterns, and impact assessment on groundwater recharge. Journal of Hydrology, 2017, 554, 558-569.	2.3	45
59	Estimation of GRACE water storage components by temporal decomposition. Journal of Hydrology, 2017, 552, 341-350.	2.3	46
60	Spatial-Temporal Simulation of LAI on Basis of Rainfall and Growing Degree Days. Remote Sensing, 2017, 9, 1207.	1.8	3
61	Improved DisTrad for Downscaling Thermal MODIS Imagery over Urban Areas. Remote Sensing, 2017, 9, 1243.	1.8	42
62	Model-based classification of CPT data and automated lithostratigraphic mapping for high-resolution characterization of a heterogeneous sedimentary aquifer. PLoS ONE, 2017, 12, e0176656.	1.1	8
63	Large-scale vegetation responses to terrestrial moisture storage changes. Hydrology and Earth System Sciences, 2017, 21, 4469-4478.	1.9	42
64	GIS MODULE FOR THE ESTIMATION OF THE HILLSLOPE TORRENTIAL PEAK FLOW. Environmental Engineering and Management Journal, 2017, 16, 1137-1144.	0.2	3
65	Impact assessment of climate change on a coastal groundwater system, Central Vietnam. Environmental Earth Sciences, 2016, 75, 1.	1.3	7
66	Groundwater flow systems theory: research challenges beyond the specified-head top boundary condition. Hydrogeology Journal, 2016, 24, 1087-1090.	0.9	30
67	Reactive transport modeling of redox processes to assess Fe(OH)3 precipitation around aquifer thermal energy storage wells in phreatic aquifers. Environmental Earth Sciences, 2016, 75, 1.	1.3	11
68	Hydrodynamics of porous formations: Simple indices for calibration and identification of spatio-temporal scales. Marine and Petroleum Geology, 2016, 78, 690-700.	1.5	11
69	Rainfall-runoff modelling using a spatially distributed electrical circuit analogue. Natural Hazards, 2016, 82, 1279-1300.	1.6	3
70	Hydrogeological controls of water tableâ€“land surface interactions. Geophysical Research Letters, 2016, 43, 9653-9661.	1.5	19
71	LPMLE3: A novel 1â€Ð approach to study water flow in streambeds using heat as a tracer. Water Resources Research, 2016, 52, 6596-6610.	1.7	33
72	Ecohydrology and Its Relation to Integrated Groundwater Management. , 2016, , 297-312.		2

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73	Contrasting responses of water use efficiency to drought across global terrestrial ecosystems. Scientific Reports, 2016, 6, 23284.	1.6	227
74	From streambed temperature measurements to spatial-temporal flux quantification: using the LPML method to study groundwater-surface water interaction. Hydrological Processes, 2016, 30, 203-216.	1.1	31
75	Hydrological connectivity of alluvial Andean valleys: a groundwater/surface-water interaction case study in Ecuador. Hydrogeology Journal, 2016, 24, 955-969.	0.9	18
76	Determining groundwaterâ€surface water exchange from temperatureâ€time series: Combining a local polynomial method with a maximum likelihood estimator. Water Resources Research, 2015, 51, 922-939.	1.7	43
77	Comparative analysis of baseflow characteristics of two Andean catchments, Ecuador. Hydrological Processes, 2015, 29, 3051-3064.	1.1	17
78	Estimation of Surface Soil Moisture from Thermal Infrared Remote Sensing Using an Improved Trapezoid Method. Remote Sensing, 2015, 7, 8250-8270.	1.8	50
79	Spatial sensitivity analysis of snow cover data in a distributed rainfall-runoff model. Hydrology and Earth System Sciences, 2015, 19, 1887-1904.	1.9	16
80	Scenarios for shale gas development and their related land use impacts in the Baltic Basin, Northern Poland. Energy Policy, 2015, 84, 80-95.	4.2	27
81	Factors controlling Si export from soils: A soil column approach. Catena, 2015, 133, 85-96.	2.2	12
82	Spatial distribution of groundwater recharge and base flow: Assessment of controlling factors. Journal of Hydrology: Regional Studies, 2015, 4, 349-368.	1.0	103
83	Hydrological modelling of urbanized catchments: A review and future directions. Journal of Hydrology, 2015, 529, 62-81.	2.3	293
84	Skill of remote sensing snow products for distributed runoff prediction. Journal of Hydrology, 2015, 524, 718-732.	2.3	22
85	Impact of Shale Gas Development on Water Resources: A Case Study in Northern Poland. Environmental Management, 2015, 55, 1285-1299.	1.2	54
86	Application of multiple-point geostatistics to simulate the effect of small-scale aquifer heterogeneity on the efficiency of aquifer thermal energy storage. Hydrogeology Journal, 2015, 23, 971-981.	0.9	18
87	Dissolved phosphorus transport from soil to surface water in catchments with different land use. Ambio, 2015, 44, 228-240.	2.8	40
88	Comparison of three dualâ€source remote sensing evapotranspiration models during the MUSOEXEâ€12 campaign: Revisit of model physics. Water Resources Research, 2015, 51, 3145-3165.	1.7	97
89	Multi-model approach to assess the impact of climate change on runoff. Journal of Hydrology, 2015, 529, 1601-1616.	2.3	75
90	Simple Hydraulic Conductivity Estimation by the Kalman Filtered Double Constraint Method. Ground Water, 2015, 53, 401-413.	0.7	12

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91	A Wavelet-Enhanced Inversion Method for Water Quality Retrieval From High Spectral Resolution Data for Complex Waters. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 869-882.	2.7	5
92	Hydrology: An International and Interdisciplinary Scientific Open Access Journal. Hydrology, 2014, 1, 112-113.	1.3	0
93	Mapping current and future European public water withdrawals and consumption. Hydrology and Earth System Sciences, 2014, 18, 407-416.	1.9	20
94	Influence of Aquifer Thermal Energy Storage on groundwater quality: A review illustrated by seven case studies from Belgium. Journal of Hydrology: Regional Studies, 2014, 2, 20-34.	1.0	50
95	Spatial variability of chloride deposition in a vegetated coastal area: Implications for groundwater recharge estimation. Journal of Hydrology, 2014, 519, 1177-1191.	2.3	45
96	Groundwater-surface water interaction in Lake Nasser, Southern Egypt. Hydrological Processes, 2014, 28, 414-430.	1.1	28
97	Using Multiple-Point Geostatistics for Tracer Test Modeling in a Clay-Drape Environment with Spatially Variable Conductivity and Sorption Coefficient. Mathematical Geosciences, 2014, 46, 519-537.	1.4	8
98	A Wavelet Approach for Estimating Chlorophyll-A From Inland Waters With Reflectance Spectroscopy. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 89-93.	1.4	14
99	Intercomparison of five lumped and distributed models for catchment runoff and extreme flow simulation. Journal of Hydrology, 2014, 511, 335-349.	2.3	78
100	High-resolution saturated hydraulic conductivity logging of borehole cores using air permeability measurements. Hydrogeology Journal, 2014, 22, 1345-1358.	0.9	10
101	Scienceâ€policy interfacing on the issue of groundwater and groundwaterâ€dependent ecosystems in Europe: implications for research and policy. Wiley Interdisciplinary Reviews: Water, 2014, 1, 561-571.	2.8	3
102	The usefulness of outcrop analogue air permeameter measurements for analyzing aquifer heterogeneity: quantifying outcrop hydraulic conductivity and its spatial variability. Hydrological Processes, 2014, 28, 5176-5188.	1.1	9
103	Evapotranspiration of bush encroachments on a temperate mire meadow â€“ A nonlinear function of landscape composition and groundwater flow. Ecological Engineering, 2014, 73, 598-609.	1.6	29
104	Intercomparison of hydrological model structures and calibration approaches in climate scenario impact projections. Journal of Hydrology, 2014, 519, 743-755.	2.3	61
105	Three-dimensional hydrostratigraphical modelling to support evaluation of recharge and saltwater intrusion in a coastal groundwater system in Vietnam. Hydrogeology Journal, 2014, 22, 1749-1762.	0.9	24
106	Combining flux estimation techniques to improve characterization of groundwaterâ€“surface-water interaction in the Zenne River, Belgium. Hydrogeology Journal, 2014, 22, 1657-1668.	0.9	14
107	Multi-scale aquifer characterization and groundwater flow model parameterization using direct push technologies. Environmental Earth Sciences, 2014, 72, 1303-1324.	1.3	11
108	Downscaling of thermal images over urban areas using the land surface temperatureâ€“impervious percentage relationship. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 95-108.	1.4	66

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109	A System-based Paradigm of Drought Analysis for Operational Management. Water Resources Management, 2013, 27, 5281-5297.	1.9	112
110	Assessing urbanisation effects on rainfall-runoff using a remote sensing supported modelling strategy. International Journal of Applied Earth Observation and Geoinformation, 2013, 21, 92-102.	1.4	54
111	Transport of Dissolved Si from Soil to River: A Conceptual Mechanistic Model. Silicon, 2013, 5, 115-133.	1.8	17
112	Mapping impervious surface change from remote sensing for hydrological modeling. Journal of Hydrology, 2013, 485, 84-95.	2.3	98
113	Climate change impact on river flows and catchment hydrology: a comparison of two spatially distributed models. Hydrological Processes, 2013, 27, 3649-3662.	1.1	53
114	Predicted impacts of land use change on groundwater recharge of the upper Berg catchment, South Africa. Water S A, 2013, 39, .	0.2	10
115	Assessing Groundwater Storage Changes Using Remote Sensingâ€“Based Evapotranspiration and Precipitation at a Large Semiarid Basin Scale. Journal of Hydrometeorology, 2013, 14, 1733-1753.	0.7	21
116	The usefulness of outcrop-analogue air-permeameter measurements for analysing aquifer heterogeneity: testing outcrop hydrogeological parameters with independent borehole data. Hydrology and Earth System Sciences, 2013, 17, 5155-5166.	1.9	8
117	Satellite-based analysis of recent trends in the ecohydrology of a semi-arid region. Hydrology and Earth System Sciences, 2013, 17, 3779-3794.	1.9	15
118	Use of land-cover fractions derived from MESMA for urban water balance calculation. , 2012, , .		3
119	Evaluation of the DisTrad thermal sharpening methodology for urban areas. International Journal of Applied Earth Observation and Geoinformation, 2012, 19, 163-172.	1.4	100
120	Integration of soil moisture in SEBS for improving evapotranspiration estimation under water stress conditions. Remote Sensing of Environment, 2012, 121, 261-274.	4.6	117
121	Impact of remotely sensed land-cover proportions on urban runoff prediction. International Journal of Applied Earth Observation and Geoinformation, 2012, 16, 54-65.	1.4	24
122	Impact of Urban Land-Cover Classification on Groundwater Recharge Uncertainty. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 1859-1867.	2.3	21
123	An ecohydrological sketch of climate change impacts on water and natural ecosystems for the Netherlands: bridging the gap between science and society. Hydrology and Earth System Sciences, 2012, 16, 3945-3957.	1.9	23
124	Spatio-temporal impact of climate change on the groundwater system. Hydrology and Earth System Sciences, 2012, 16, 1517-1531.	1.9	67
125	A hierarchical approach on groundwater-surface water interaction in wetlands along the upper Biebrza River, Poland. Hydrology and Earth System Sciences, 2012, 16, 2329-2346.	1.9	43
126	Estimation of Hydraulic Conductivity and Its Uncertainty from Grain-Size Data Using GLUE and Artificial Neural Networks. Mathematical Geosciences, 2012, 44, 739-763.	1.4	39

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127	Improving evapotranspiration in a land surface model using biophysical variables derived from MSG/SEVIRI satellite. Hydrology and Earth System Sciences, 2012, 16, 2567-2583.	1.9	40
128	Application of the WetSpa distributed hydrological model for catchment with significant contribution of organic soil. Upper Biebrza case study. Annals of Warsaw University of Life Sciences, Land Reclamation, 2011, 43, .	0.2	10
129	A simple thermal mapping method for seasonal spatial patterns of groundwaterâ€“surface water interaction. Journal of Hydrology, 2011, 397, 93-104.	2.3	100
130	Improving surfaceâ€“subsurface water budgeting using high resolution satellite imagery applied on a brownfield. Science of the Total Environment, 2011, 409, 800-809.	3.9	16
131	Uma abordagem multi-anÃ¡lise com base em detecÃ§Ã£o remota para mapear recursos hÃdricos subterrÃ¢neos no Vale cÃ¡rsico de Meo Vac, Vietname. Hydrogeology Journal, 2011, 19, 275-287.	0.9	7
132	Flood mapping with remote sensing and hydrochemistry: A new method to distinguish the origin of flood water during floods. Ecological Engineering, 2011, 37, 1334-1349.	1.6	74
133	Groundwater Modelling and Hydrological System Analysis of Wetlands in the Middle Biebrza Basin. GeoPlanet: Earth and Planetary Sciences, 2011, , 89-109.	0.2	10
134	Application of a multimodel approach to account for conceptual model and scenario uncertainties in groundwater modelling. Journal of Hydrology, 2010, 394, 416-435.	2.3	82
135	Assessment of conceptual model uncertainty for the regional aquifer Pampa del Tamarugal â€“ North Chile. Hydrology and Earth System Sciences, 2010, 14, 171-192.	1.9	60
136	Historical land use change has lowered terrestrial silica mobilization. Nature Communications, 2010, 1, 129.	5.8	189
137	Bayesian data fusion for water table interpolation: Incorporating a hydrogeological conceptual model in kriging. Water Resources Research, 2010, 46, .	1.7	28
138	On the value of conditioning data to reduce conceptual model uncertainty in groundwater modeling. Water Resources Research, 2010, 46, .	1.7	41
139	Coupling urban expansion models and hydrological models: How important are spatial patterns?. Land Use Policy, 2010, 27, 965-975.	2.5	52
140	Estimating the effects of climate change on groundwater recharge and baseflow in the upper Ssezibwa catchment, Uganda. Hydrological Sciences Journal, 2009, 54, 713-726.	1.2	77
141	Throughflow as a determining factor for habitat contiguity in a near-natural fen. Journal of Hydrology, 2009, 379, 30-40.	2.3	36
142	Transient or steadyâ€state? Using vertical temperature profiles to quantify groundwaterâ€“surface water exchange. Hydrological Processes, 2009, 23, 2165-2177.	1.1	120
143	Comparison of Two Mathematical Models for 3D Groundwater Flow: Block-Centered Heads and Edge-Based Stream Functions. Transport in Porous Media, 2009, 79, 469-485.	1.2	4
144	Benefit and Implementation of Groundwater Protection Zoning in South Africa. Water Resources Management, 2009, 23, 2895-2911.	1.9	20

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145	Assessing and predicting biodiversity in a floodplain ecosystem: Assimilation of net primary production derived from imaging spectrometer data into a dynamic vegetation model. Remote Sensing of Environment, 2008, 112, 2118-2130.	4.6	28
146	Determining discharges from the Table Mountain Group (TMG) aquifer to wetlands in the Southern Cape, South Africa. Hydrobiologia, 2008, 607, 175-186.	1.0	13
147	Improving Distributed Runoff Prediction in Urbanized Catchments with Remote Sensing based Estimates of Impervious Surface Cover. Sensors, 2008, 8, 910-932.	2.1	82
148	Predicting land-use change and its impact on the groundwater system of the Kleine Nete catchment, Belgium. Hydrology and Earth System Sciences, 2008, 12, 1369-1385.	1.9	92
149	Remote Sensing and Wetland Ecology: a South African Case Study. Sensors, 2008, 8, 3542-3556.	2.1	47
150	Improved distributed runoff modelling of urbanised catchments by integration of multi-resolution remote sensing. , 2007, , .		7
151	Measuring and modeling urban dynamics: impact on quality of life and hydrology. , 2007, , .		3
152	GIS-based recharge estimation by coupling surfaceâ€“subsurface water balances. Journal of Hydrology, 2007, 337, 337-355.	2.3	209
153	Integrating Remote Sensing and Wetland Ecology: a Case Study on South African Wetlands. , 2007, , .		3
154	Effects of climate change on the groundwater system in the Grote-Nete catchment, Belgium. Hydrogeology Journal, 2007, 15, 891-901.	0.9	146
155	Large-scale GIS-based hydrogeological modeling of Flanders: a tool for groundwater management. Environmental Geology, 2006, 50, 1201-1209.	1.2	21
156	Eco-Hydrological Functioning of the Biebrza Wetlands: Lessons for the Conservation and Restoration of Deteriorated Wetlands. Ecological Studies, 2006, , 285-310.	0.4	34
157	Transitions in Ancient Inland Freshwater Resource Management in Sri Lanka Affect Biota and Human Populations in and around Coastal Lagoons. Current Biology, 2005, 15, 579-586.	1.8	137
158	Test of a distributed modelling approach to predict flood flows in the karst Suoimuoi catchment in Vietnam. Environmental Geology, 2005, 48, 931-940.	1.2	28
159	Study of cavernous underground conduits in Nam La (Northwest Vietnam) by an integrative approach. Hydrogeology Journal, 2005, 13, 675-689.	0.9	5
160	Lineament extraction and analysis, comparison of LANDSAT ETM and ASTER imagery. Case study: Suoimuoi tropical karst catchment, Vietnam. , 2005, 5983, 182.		104
161	Application of a Bayesian Approach to Stochastic Delineation of Capture Zones. Ground Water, 2004, 42, 542-551.	0.7	13
162	SEEPAGE, a New MODFLOW DRAIN Package. Ground Water, 2004, 42, 576-588.	0.7	32

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163	Study on the relationship between lineaments and borehole specific capacity in a fractured and karstified limestone area in Vietnam. Hydrogeology Journal, 2004, 12, 662-673.	0.9	54
164	Doode Bemde CASI-SWIR 2002: Hyperspectral sensing of moisture gradients--set-up and first results of a combined field and airborne campaign. , 2004, , .		1
165	Characterization of a cavern conduit system in Vietnam by time series correlation, cross-spectrum and wavelet analyses / CaractÃ©risation du systÃ¨me du conduit dâ€™une grotte au Vietnam par des analyses corrÃ©latoires, spectrales-croisÃ©es et en ondelettes de sÃ©ries temporelles. Hydrological Sciences Journal, 2004, 49, .	1.2	10
166	Regional groundwater discharge: phreatophyte mapping, groundwater modelling and impact analysis of land-use change. Journal of Hydrology, 2003, 275, 86-108.	2.3	145
167	Hydrogeological Characteristics of a Karst Mountainous Catchment in the Northwest of Vietnam. Acta Geologica Sinica, 2001, 75, 260-268.	0.8	10
168	Principal component transformation method to separate active discharge and recharge areas. Journal of the Indian Society of Remote Sensing, 1997, 25, 93-103.	1.2	0
169	A distributed model for water and energy transfer between soil, plants and atmosphere (WetSpa). Physics and Chemistry of the Earth, 1996, 21, 189-193.	0.3	153
170	Quantitative assessment of the flow pattern in the southern Arava Valley (Israel) by environmental tracers and a mixing cell model. Journal of Hydrology, 1992, 136, 333-352.	2.3	33
171	Definition of groundwater flow patterns by environmental tracers in the multiple aquifer system of southern Arava Valley, Israel. Journal of Hydrology, 1990, 117, 339-368.	2.3	26
172	Environmental geological remote sensing and GIS analysis of tropical karst areas in Vietnam. , 0, , .		5
173	Hydrology and ecology: how Natura 2000 and Military use can match. Ecological Questions, 0, 21, 79.	0.1	3