

Bernd DiekkrÃ¼ger

List of Publications by Year in descending order

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146
papers

4,553
citations

87723

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docs citations

160
times ranked

5444
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the Impact of Climate and Land Use/Land Cover Change on Water Availability in an Inland Valley Catchment in Burkina Faso. <i>Hydrology</i> , 2022, 9, 12.	1.3	15
2	Impact of Climate and Land Use/Land Cover Change on the Water Resources of a Tropical Inland Valley Catchment in Uganda, East Africa. <i>Climate</i> , 2020, 8, 83.	1.2	19
3	Testing the Robustness of a Physically-Based Hydrological Model in Two Data Limited Inland Valley Catchments in Dano, Burkina Faso. <i>Hydrology</i> , 2020, 7, 43.	1.3	5
4	Multitemporal optical and radar metrics for wetland mapping at national level in Albania. <i>Heliyon</i> , 2020, 6, e04496.	1.4	13
5	Managing New Risks of and Opportunities for the Agricultural Development of West-African Floodplains: Hydroclimatic Conditions and Implications for Rice Production. <i>Climate</i> , 2020, 8, 11.	1.2	4
6	Impact of Climate Change on Water Resources in the Kilombero Catchment in Tanzania. <i>Water (Switzerland)</i> , 2019, 11, 859.	1.2	33
7	CO2 fluxes before and after partial deforestation of a Central European spruce forest. <i>Agricultural and Forest Meteorology</i> , 2019, 274, 61-74.	1.9	27
8	Validation of satellite soil moisture in the absence of <i>in situ&/i> soil moisture: the case of the Tropical Yankin Basin. <i>South African Journal of Geomatics</i> , 2019, 7, 243.	0.1	3
9	IMPETUS: Implementing HELP in the Upper OuÃ©mÃ© basin. <i>Water S A</i> , 2019, 34, 481.	0.2	10
10	Niger discharge from radar altimetry: bridging gaps between gauge and altimetry time series. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4113-4128.	1.9	8
11	The Impact of Land Use/Land Cover Change (LULCC) on Water Resources in a Tropical Catchment in Tanzania under Different Climate Change Scenarios. <i>Sustainability</i> , 2019, 11, 7083.	1.6	64
12	Modeling the effect of land use and climate change on water resources and soil erosion in a tropical West African catchment (Dano, Burkina Faso) using SHETRAN. <i>Science of the Total Environment</i> , 2019, 653, 431-445.	3.9	55
13	Modelling the impact of land use management on water resources in a tropical inland valley catchment of central Uganda, East Africa. <i>Science of the Total Environment</i> , 2019, 653, 1052-1066.	3.9	18
14	Land use change increases flood hazard: a multi-modelling approach to assess change in flood characteristics driven by socio-economic land use change scenarios. <i>Natural Hazards</i> , 2019, 98, 1021-1050.	1.6	26
15	Health risk perceptions and local knowledge of water-related infectious disease exposure among Kenyan wetland communities. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 34-48.	2.1	40
16	Impact of the Accuracy of Land Cover Data sets on the Accuracy of Land Cover Change Scenarios in the Mono River Basin, Togo, West Africa. <i>International Journal of Advanced Remote Sensing and GIS</i> , 2019, 8, 3073-3095.	0.2	16
17	Determining hydrological regimes in an agriculturally used tropical inland valley wetland in Central Uganda using soil moisture, groundwater, and digital elevation data. <i>Hydrological Processes</i> , 2018, 32, 349-362.	1.1	20
18	Modeling the impact of climate change on water resources and soil erosion in a tropical catchment in Burkina Faso, West Africa. <i>Catena</i> , 2018, 163, 63-77.	2.2	40

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19	Land surface temperature trends as indicator of land use changes in wetlands. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 70, 62-71.	1.4	58
20	Performance evaluation of reservoir-based irrigation schemes in the Upper East region of Ghana. <i>Agricultural Water Management</i> , 2018, 202, 134-145.	2.4	10
21	The WASCAL Hydrometeorological Observatory in the Sudan Savanna of Burkina Faso and Ghana. <i>Vadose Zone Journal</i> , 2018, 17, 1-20.	1.3	15
22	Computationally Efficient Multivariate Calibration and Validation of a Grid-Based Hydrologic Model in Sparsely Gauged West African River Basins. <i>Water (Switzerland)</i> , 2018, 10, 1418.	1.2	23
23	Quantifying stand water use of a multi-species afforestation site through sap flow and groundwater measurements. <i>Acta Horticulturae</i> , 2018, , 119-124.	0.1	2
24	Using Sap Flow Data to Parameterize the Feddes Water Stress Model for Norway Spruce. <i>Water (Switzerland)</i> , 2018, 10, 279.	1.2	17
25	Exploring the growth response of Norway spruce (<i>Picea abies</i>) along a small-scale gradient of soil water supply. <i>Dendrochronologia</i> , 2018, 52, 123-130.	1.0	14
26	Subsurface sources contribute substantially to fine-grained suspended sediment transported in a tropical West African watershed in Burkina Faso. <i>Land Degradation and Development</i> , 2018, 29, 4092-4105.	1.8	7
27	Modelling blue and green water availability under climate change in the Beninese Basin of the Niger River Basin, West Africa. <i>Hydrological Processes</i> , 2018, 32, 2526-2542.	1.1	26
28	Multi-Objective Validation of SWAT for Sparsely-Gauged West African River Basins – A Remote Sensing Approach. <i>Water (Switzerland)</i> , 2018, 10, 451.	1.2	30
29	Rice Intensification in a Changing Environment: Impact on Water Availability in Inland Valley Landscapes in Benin. <i>Water (Switzerland)</i> , 2018, 10, 74.	1.2	15
30	Modeling Spatial Soil Water Dynamics in a Tropical Floodplain, East Africa. <i>Water (Switzerland)</i> , 2018, 10, 191.	1.2	27
31	Hydrological Modeling in Data-Scarce Catchments: The Kilombero Floodplain in Tanzania. <i>Water (Switzerland)</i> , 2018, 10, 599.	1.2	38
32	Year-Round Irrigation Schedule for a Tomato – Maize Rotation System in Reservoir-Based Irrigation Schemes in Ghana. <i>Water (Switzerland)</i> , 2018, 10, 624.	1.2	7
33	Cosmic Ray Neutron Sensing for Simultaneous Soil Water Content and Biomass Quantification in Drought Conditions. <i>Water Resources Research</i> , 2018, 54, 7383-7402.	1.7	54
34	Assessing seasonal land cover dynamics in the tropical Kilombero floodplain of East Africa. <i>Journal of Applied Remote Sensing</i> , 2018, 12, 1.	0.6	8
35	Challenges in calibrating hydrological models to simultaneously evaluate water resources and flood hazard: a case study of Zou basin, Benin. <i>Episodes</i> , 2018, 41, 105-114.	0.8	1
36	Dry spell, onset and cessation of the wet season rainfall in the Upper Baro-Akobo Basin, Ethiopia. <i>Theoretical and Applied Climatology</i> , 2017, 129, 849-858.	1.3	18

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37	Evaluating the performance of remotely sensed and reanalysed precipitation data over West Africa using HBV light. <i>Journal of Hydrology</i> , 2017, 547, 222-235.	2.3	75
38	Improvement and comparative assessment of a hydrological modelling approach on 20 catchments of various sizes under different climate conditions. <i>Hydrological Sciences Journal</i> , 2017, 62, 1499-1516.	1.2	5
39	Modelling of flood hazard extent in data sparse areas: a case study of the Oti River basin, West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2017, 10, 122-132.	1.0	80
40	Hydrological system analysis and modelling of the Kara River basin (West Africa) using a lumped metric conceptual model. <i>Hydrological Sciences Journal</i> , 2017, 62, 1094-1113.	1.2	7
41	Dynamics of surface runoff and soil loss from a toposequence under varied land use practices in Rwizi catchment, Lake Victoria Basin. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 480-492.	0.8	5
42	Comparing water quantity and quality in three inland valley watersheds with different levels of agricultural development in central Benin. <i>Agricultural Water Management</i> , 2017, 192, 257-270.	2.4	12
43	Evaluation of recent hydro-climatic changes in four tributaries of the Niger River Basin (West Africa). <i>Hydrological Sciences Journal</i> , 2017, 62, 715-728.	1.2	25
44	Sustainability in the Food-Water-Ecosystem Nexus: The Role of Land Use and Land Cover Change for Water Resources and Ecosystems in the Kilombero Wetland, Tanzania. <i>Sustainability</i> , 2017, 9, 1513.	1.6	47
45	Applying SHETRAN in a Tropical West African Catchment (Dano, Burkina Faso)â€™ Calibration, Validation, Uncertainty Assessment. <i>Water (Switzerland)</i> , 2017, 9, 101.	1.2	26
46	Impact of climate change on hydrological conditions in a tropical West African catchment using an ensemble of climate simulations. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2143-2161.	1.9	55
47	Improving Hydro-Climatic Projections with Bias-Correction in Sahelian Niger Basin, West Africa. <i>Climate</i> , 2017, 5, 8.	1.2	17
48	Assessment of Groundwater Resources in the Context of Climate Change and Population Growth: Case of the Klela Basin in Southern Mali. <i>Climate</i> , 2017, 5, 45.	1.2	13
49	Influence of Parameter Sensitivity and Uncertainty on Projected Runoff in the Upper Niger Basin under a Changing Climate. <i>Climate</i> , 2017, 5, 67.	1.2	5
50	Water Balance Analysis over the Niger Inland Delta-Mali: Spatio-Temporal Dynamics of the Flooded Area and Water Losses. <i>Hydrology</i> , 2017, 4, 40.	1.3	6
51	Linkage between Water Level Dynamics and Climate Variability: The Case of Lake Hawassa Hydrology and ENSO Phenomena. <i>Climate</i> , 2017, 5, 21.	1.2	18
52	Integrated Flood Risk Assessment of Rural Communities in the Oti River Basin, West Africa. <i>Hydrology</i> , 2016, 3, 42.	1.3	23
53	Change in Heavy Rainfall Characteristics over the OuÃ©mÃ© River Basin, Benin Republic, West Africa. <i>Climate</i> , 2016, 4, 15.	1.2	15
54	Using High-Resolution Data to Test Parameter Sensitivity of the Distributed Hydrological Model HydroGeoSphere. <i>Water (Switzerland)</i> , 2016, 8, 202.	1.2	24

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55	Future of Water Supply and Demand in the Middle DrÃƒa Valley, Morocco, under Climate and Land Use Change. <i>Water (Switzerland)</i> , 2016, 8, 313.	1.2	43
56	Quantifying Uncertainties in Modeling Climate Change Impacts on Hydropower Production. <i>Climate</i> , 2016, 4, 34.	1.2	32
57	Characterization of Water Level Variability of the Main Ethiopian Rift Valley Lakes. <i>Hydrology</i> , 2016, 3, 1.	1.3	49
58	Regional Flood Frequency Analysis in the Volta River Basin, West Africa. <i>Hydrology</i> , 2016, 3, 5.	1.3	17
59	Impact of Climate Change on Groundwater Resources in the Klela Basin, Southern Mali. <i>Hydrology</i> , 2016, 3, 17.	1.3	20
60	Comparing â†Tmax Determination Approaches for Granier-Based Sapflow Estimations. <i>Sensors</i> , 2016, 16, 2042.	2.1	30
61	Vulnerability and adaptation to climate change in the Comoe River Basin (West Africa). <i>SpringerPlus</i> , 2016, 5, 847.	1.2	14
62	Modeling land use change impacts on water resources in a tropical West African catchment (Dano,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.3	82
63	Tracer sampling frequency influences estimates of young water fraction and streamwater transit time distribution. <i>Journal of Hydrology</i> , 2016, 541, 952-964.	2.3	54
64	A spatially explicit approach to assess the suitability for rice cultivation in an inland valley in central Benin. <i>Agricultural Water Management</i> , 2016, 177, 95-106.	2.4	22
65	Integrated hydrologic modeling as a key for sustainable urban water resources planning. <i>Water Research</i> , 2016, 101, 411-428.	5.3	28
66	How is water availability related to the land use and morphology of an inland valley wetland in Kenya?. <i>Physics and Chemistry of the Earth</i> , 2016, 93, 84-95.	1.2	13
67	Timescales of transformational climate change adaptation in sub-Saharan African agriculture. <i>Nature Climate Change</i> , 2016, 6, 605-609.	8.1	199
68	Inter-comparison of three distributed hydrological models with respect to seasonal variability of soil moisture patterns at a small forested catchment. <i>Journal of Hydrology</i> , 2016, 533, 234-249.	2.3	73
69	Interception effects on stable isotope driven streamwater transit time estimates. <i>Geophysical Research Letters</i> , 2015, 42, 5299-5308.	1.5	29
70	Monitoring and Modeling the Terrestrial System from Pores to Catchments: The Transregional Collaborative Research Center on Patterns in the Soilâ€“Vegetationâ€“Atmosphere System. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1765-1787.	1.7	80
71	Non-Stationary Flood Frequency Analysis in the OuÃƒmÃƒ River Basin, Benin Republic. <i>Hydrology</i> , 2015, 2, 210-229.	1.3	21
72	Soil survey and soil classification of the Koupendri catchment in Benin, West Africa. <i>African Journal of Agricultural Research Vol Pp</i> , 2015, 10, 3938-3951.	0.2	6

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73	Spatio-temporal soil moisture patterns â€“ A meta-analysis using plot to catchment scale data. Journal of Hydrology, 2015, 520, 326-341.	2.3	124
74	Hydro-climatic changes in the Niger basin and consistency of local perceptions. Regional Environmental Change, 2015, 15, 1627-1637.	1.4	44
75	Floodplain wetland mapping in the White Volta River Basin of Ghana. GIScience and Remote Sensing, 2015, 52, 374-395.	2.4	13
76	A terrestrial observatory approach to the integrated investigation of the effects of deforestation on water, energy, and matter fluxes. Science China Earth Sciences, 2015, 58, 61-75.	2.3	50
77	Spatio-temporal variability of soil respiration in a spruce-dominated headwater catchment in western Germany. Biogeosciences, 2014, 11, 4235-4249.	1.3	1
78	Scenario-Based Impacts of Land Use and Climate Change on Land and Water Degradation from the Meso to Regional Scale. Water (Switzerland), 2014, 6, 3152-3181.	1.2	43
79	Comparative study of a physically based distributed hydrological model versus a conceptual hydrological model for assessment of climate change response in the Upper Nile, Baro-Akobo basin: a case study of the Sore watershed, Ethiopia. International Journal of River Basin Management, 2014, 12, 299-318.	1.5	15
80	Significance of scale and lower boundary condition in the 3D simulation of hydrological processes and soil moisture variability in a forested headwater catchment. Journal of Hydrology, 2014, 516, 140-153.	2.3	33
81	Multivariate Prediction of Total Water Storage Changes Over West Africa from Multi-Satellite Data. Surveys in Geophysics, 2014, 35, 913-940.	2.1	72
82	Seasonal soil moisture patterns: Controlling transit time distributions in a forested headwater catchment. Water Resources Research, 2014, 50, 5270-5289.	1.7	45
83	Calibrating a FDR sensor for soil moisture monitoring in a wetland in Central Kenya. Physics and Chemistry of the Earth, 2013, 66, 101-111.	1.2	20
84	A comparison of hydrological models for assessing the impact of land use and climate change on discharge in a tropical catchment. Journal of Hydrology, 2013, 498, 221-236.	2.3	118
85	Using HydroGeoSphere in a Forested Catchment: How does Spatial Resolution Influence the Simulation of Spatio-temporal Soil Moisture Variability?. Procedia Environmental Sciences, 2013, 19, 198-207.	1.3	11
86	Impact of dumped sediment structures on hydrological modelling in the artificial Chicken Creek catchment, Germany. Journal of Hydrology, 2013, 477, 189-202.	2.3	4
87	Groundwater level monitoring and recharge estimation in the White Volta River basin of Ghana. Journal of African Earth Sciences, 2012, 71-72, 80-86.	0.9	40
88	Analyzing the effects of different soil databases on modeling of hydrological processes and sediment yield in Benin (West Africa). Geoderma, 2012, 173-174, 61-74.	2.3	35
89	Potential drought stress in a Swiss mountain catchmentâ€”Ensemble forecasting of high mountain soil moisture reveals a drastic decrease, despite major uncertainties. Water Resources Research, 2012, 48, .	1.7	24
90	Modeling the effects of crop patterns and management scenarios on N and P loads to surface water and groundwater in a semi-humid catchment (West Africa). Agricultural Water Management, 2012, 115, 20-37.	2.4	39

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91	Predicting the impact of linear landscape elements on surface runoff, soil erosion, and sedimentation in the Wahnbach catchment, Germany. <i>Hydrological Processes</i> , 2012, 26, 1642-1654.	1.1	11
92	Grope in the Dark â€“ Hydrological modelling of the artificial Chicken Creek catchment without validation possibilities. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 113-122.	1.2	11
93	Geostatistical regionalization of daily runoff forecasts in Norway. <i>International Journal of River Basin Management</i> , 2011, 9, 3-15.	1.5	12
94	Mountain ecosystem response to global change. <i>Erdkunde</i> , 2011, 65, 189-213.	0.4	41
95	Influence of Soil Heterogeneity and Spatial Discretization on Catchment Water Balance Modeling. <i>Vadose Zone Journal</i> , 2010, 9, 955-969.	1.3	48
96	Drought frequency in the Volta Basin of West Africa. <i>Sustainability Science</i> , 2010, 5, 89-97.	2.5	98
97	Benin 2025â€”Balancing Future Water Availability and Demand Using the WEAP â€”Water Evaluation and Planningâ€™ System. <i>Water Resources Management</i> , 2010, 24, 3591-3613.	1.9	58
98	Impacts of Global Change on the Hydrological Cycle in West and Northwest Africa. , 2010, , .		36
99	Use of chloride mass balance method for estimating the groundwater recharge in northeastern Ghana. <i>International Journal of River Basin Management</i> , 2010, 8, 245-253.	1.5	2
100	The IMPETUS Spatial Decision Support Systems. , 2010, , 360-393.		10
101	Continental hydrosphere. , 2010, , 164-253.		0
102	Introduction: The IMPETUS method. , 2010, , 352-358.		1
103	Hydrological Analyses as a Prerequisite for Soil Erosion Modeling â€” Landscape Related Studies in a Mesoscale Hydrological Catchment. <i>Lecture Notes in Earth Sciences</i> , 2009, , 127-149.	0.5	4
104	Development of a Spatial Decision Support Framework for IMPETUS project in West Africa. <i>Environmental Science and Engineering</i> , 2009, , 132-148.	0.1	0
105	Geostatistical co-regionalization of soil hydraulic properties in a micro-scale catchment using terrain attributes. <i>Geoderma</i> , 2006, 132, 206-221.	2.3	78
106	Numerical experiments on the sensitivity of runoff generation to the spatial variation of soil hydraulic properties. <i>Journal of Hydrology</i> , 2006, 326, 43-58.	2.3	50
107	Physically-based modelling of hydrological processes in a tropical headwater catchment (West) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2006, 10, 829-847.	1.9	51
108	Customizing ArcGIS for spatial decision support: case study on locating potential small water resevoirs in Benin. , 2006, 6421, 281.		1

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109	From local hydrological process analysis to regional hydrological model application in Benin: Concept, results and perspectives. <i>Physics and Chemistry of the Earth</i> , 2005, 30, 347-356.	1.2	15
110	Assessing the effects of land use change on soil physical properties and hydrological processes in the sub-humid tropical environment of West Africa. <i>Physics and Chemistry of the Earth</i> , 2005, 30, 485-496.	1.2	91
111	A conceptual, regional hydrological model for Benin (West Africa): validation, uncertainty assessment and assessment of applicability for environmental change analyses. <i>Physics and Chemistry of the Earth</i> , 2004, 29, 759-768.	1.2	18
112	Possibilities and limitations of regional hydrological models applied within an environmental change study in Benin (West Africa). <i>Physics and Chemistry of the Earth</i> , 2003, 28, 1323-1332.	1.2	35
113	Analysis of the hydrological processes in a small headwater catchment in Benin (West Africa). <i>Physics and Chemistry of the Earth</i> , 2003, 28, 1333-1341.	1.2	46
114	Analysing and modelling solute and sediment transport in the catchment of the Wahnbach River. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 227-237.	1.2	9
115	Modelling the spatial variability of soil moisture in a micro-scale catchment and comparison with field data using geostatistics. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 239-245.	1.2	36
116	Upscaling of Hydrological Models by Means of Parameter Aggregation Technique. , 2003, , 145-165.		6
117	The influence of the spatial structure of soil properties on water balance modeling in a microscale catchment. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 701-710.	1.2	20
118	Modelling solute and sediment transport at different spatial and temporal scales. <i>Earth Surface Processes and Landforms</i> , 2002, 27, 1475-1489.	1.2	6
119	Comparison of the performance of pesticide-leaching models on a cracking clay soil: results using the Brimstone Farm dataset. <i>Agricultural Water Management</i> , 2000, 44, 85-104.	2.4	38
120	Modeling pesticide dynamics of four different sites using the model system SIMULAT. <i>Agricultural Water Management</i> , 2000, 44, 337-355.	2.4	28
121	Regionalization scheme for the simulation of regional water balances using a physically based model system. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 43-48.	0.3	4
122	Impacts of landscape management on the hydrological behaviour of small agricultural catchments. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 291-296.	0.3	16
123	Regionalisation concept for hydrological modelling on different scales using a physically based model: Results and evaluation. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 799-804.	0.3	25
124	Scaling input data by GIS for hydrological modelling. <i>Hydrological Processes</i> , 1999, 13, 611-630.	1.1	70
125	Evaluating spatial and temporal variability in soil erosion risk – rainfall erosivity and soil loss ratios in Andalusia, Spain. <i>Catena</i> , 1999, 34, 209-225.	2.2	117
126	Regionalisierung von Wasserquantität und -qualität – Konzepte und Methoden. , 1999, , 67-78.		1

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127	Measurement and simulation of herbicide transport in macroporous soils. <i>Pest Management Science</i> , 1998, 52, 241-250.	0.7	5
128	Simulation and model comparison of unsaturated movement of pesticides from a large clay lysimeter. <i>Ecological Modelling</i> , 1997, 105, 113-127.	1.2	21
129	Translating environmental xenobiotic fate models across scales. <i>Hydrology and Earth System Sciences</i> , 1997, 1, 895-904.	1.9	2
130	Effective Soil Water Characteristics and Ensemble Soil Water Profiles in Heterogeneous Soils. <i>Water Resources Research</i> , 1996, 32, 1993-2002.	1.7	51
131	Soil-water behaviour in a push terminal moraine: comparison of one- and two-dimensional simulations based on intensive regional field observations. <i>Geoderma</i> , 1996, 69, 249-263.	2.3	1
132	Effects of data availability on estimation of evapotranspiration. <i>Physics and Chemistry of the Earth</i> , 1996, 21, 171-175.	0.3	18
133	A New Approach of Regionalisation by Classifying Hydrological Quantities. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 1996, , 262-269.	0.1	0
134	Implementation of a herbicide simulation model in a geographical information system with an example of a site-specific application. <i>Weed Research</i> , 1995, 35, 333-342.	0.8	4
135	Validity of agroecosystem models a comparison of results of different models applied to the same data set. <i>Ecological Modelling</i> , 1995, 81, 3-29.	1.2	213
136	Simulation of water fluxes using different methods for estimating soil parameters. <i>Ecological Modelling</i> , 1995, 81, 83-95.	1.2	49
137	Modeling pesticide dynamics of a loam site using HERBSIM and SIMULAT. <i>Ecological Modelling</i> , 1995, 81, 111-119.	1.2	20
138	Modelling the microbial breakdown of pesticides in soil using a parameter estimation technique. <i>Pest Management Science</i> , 1994, 40, 285-292.	0.7	12
139	Temporal variability of soil surface crust conductivity. <i>Soil and Tillage Research</i> , 1994, 7, 1-18.	0.4	15
140	BIMODAL POROSITY AND UNSATURATED HYDRAULIC CONDUCTIVITY. <i>Soil Science</i> , 1991, 152, 139-150.	0.9	146
141	Deterministic hydrological site and catchment models for the analysis of agroecosystems. <i>Catena</i> , 1986, 13, 119-137.	2.2	19
142	An interdisciplinary scenario analysis to assess the water availability and water consumption in the Upper OuÛmÛ catchment in Benin. <i>Advances in Geosciences</i> , 0, 9, 3-13.	12.0	30
143	Modelling extreme streamflows under non-stationary conditions in the OuÛmÛ River basin, Benin, West Africa. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 366, 143-144.	1.0	2
144	East African wetland-catchment data base for sustainable wetland management. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 374, 123-128.	1.0	14

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145	Skalenwechsel über Parameter. , 0, , 25-98.		0
146	Heraufskalieren von landwirtschaftlich genutzten Äkoten. , 0, , 150-174.		0