Nicola Fohrer

List of Publications by Year
in descending order

187 papers	7,352 citations	70961 41 h-index	69108 77 g-index
201 all docs	201 docs citations	201 times ranked	6774 citing authors

#	Article	IF	Citations
1	Using integrated models to analyze and predict the variance of diatom community composition in an agricultural area. Science of the Total Environment, 2022, 803, 149894.	3.9	7
2	Epiphytic biofilms in freshwater and interactions with macrophytes: Current understanding and future directions. Aquatic Botany, 2022, 176, 103467.	0.8	36
3	Assessment of Uncertainties in Modelling Land Use Change with an Integrated Cellular Automataâ€“Markov Chain Model. Environmental Modeling and Assessment, 2022, 27, 275-293.	1.2	18
4	Multiple pesticides in lentic small water bodies: Exposure, ecotoxicological risk, and contamination origin. Science of the Total Environment, 2022, 816, 151504.	3.9	16
5	Environment regimes play an important role in structuring traitâ€•and taxonomyâ€‘based temporal beta diversity of riverine diatoms. Journal of Ecology, 2022, 110, 1442-1454.	1.9	22
6	Succession and Driving Factors of Periphytic Community in the Middle Route Project of South-to-North Water Division (Henan, China). International Journal of Environmental Research and Public Health, 2022, 19, 4089.	1.2	2
7	Gain and retain - On the efficiency of modified agricultural drainage ponds for pesticide retention. Science of the Total Environment, 2022, 836, 155405.	3.9	2
8	Representation of hydrological processes in a rural lowland catchment in Northern Germany using<scp>SWAT</scp>and<scp>SWAT</scp>+. Hydrological Processes, 2022, 36, .	1.1	15
9	Influences of land use changes on the dynamics of water quantity and quality in the German lowland catchment of the StÃ¶r. Hydrology and Earth System Sciences, 2022, 26, 2561-2582.	1.9	13
10	Effects of land cover, topography, and soil on stream water quality at multiple spatial and seasonal scales in a German lowland catchment. Ecological Indicators, 2021, 120, 106940.	2.6	57
11	Climate change impacts on the water and groundwater resources of the Lake Tana Basin, Ethiopia. Journal of Water and Climate Change, 2021, 12, 1544-1563.	1.2	22
12	Field insights into leaching and transformation of pesticides and fluorescent tracers in agricultural soil. Science of the Total Environment, 2021, 751, 141658.	3.9	21
13	Omnipresent distribution of herbicides and their transformation products in all water body types of an agricultural landscape in the North German Lowland. Environmental Science and Pollution Research, 2021, 28, 44183-44199.	2.7	12
14	Influences of pesticides, nutrients, and local environmental variables on phytoplankton communities in lentic small water bodies in a German lowland agricultural area. Science of the Total Environment, 2021, 780, 146481.	3.9	32
15	Spatially distributed impacts of climate change and groundwater demand on the water resources in a wadi system. Hydrology and Earth System Sciences, 2021, 25, 5065-5081.	1.9	8
16	Twenty years of change: Land and water resources in the Chindwin catchment, Myanmar between 1999 and 2019. Science of the Total Environment, 2021, 798, 148766.	3.9	16
17	Modeling the impact of climate change on streamflow and major hydrological components of an Iranian Wadi system. Journal of Water and Climate Change, 2021, 12, 1598-1613.	1.2	18
18	Effects of the herbicides metazachlor and flufenacet on phytoplankton communities â€“ A microcosm assay. Ecotoxicology and Environmental Safety, 2021, 228, 113036.	2.9	13

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19	Epiphyton in Agricultural Streams: Structural Control and Comparison to Epilithon. Water (Switzerland), 2021, 13, 3443.	1.2	3
20	Festschrift zum 75. JubilÃum der Agrar- und ErnÃhrungswissenschaftlichen FakultÃt der Christian-Albrechts-UniversitÃt zu Kiel (1946-2021). , 2021, , .		0
21	Regionalization of flood magnitudes using the ecological attributes of watersheds. Geocarto International, 2020, 35, 917-933.	1.7	3
22	Statistical analysis of rainfall and streamflow time series in the Lake Tana Basin, Ethiopia. Journal of Water and Climate Change, 2020, 11, 258-273.	1.2	14
23	Intensive long-term monitoring of soil organic carbon and nutrients in Northern Germany. Nutrient Cycling in Agroecosystems, 2020, 116, 57-69.	1.1	6
24	Effects of dynamic land use/land cover change on water resources and sediment yield in the Anzali wetland catchment, Gilan, Iran. Science of the Total Environment, 2020, 712, 136449.	3.9	128
25	Streamflow-based evaluation of climate model sub-selection methods. Climatic Change, 2020, 163, 1267-1285.	1.7	16
26	Improving Information Extraction From Simulated Discharge Using Sensitivityâ€Weighted Performance Criteria. Water Resources Research, 2020, 56, e2019WR025605.	1.7	2
27	Curved filaments of Aulacoseira complex as ecological indicators in the Pearl River, China. Ecological Indicators, 2020, 118, 106722.	2.6	9
28	Modeling the spatio-temporal flow dynamics of groundwater-surface water interactions of the Lake Tana Basin, Upper Blue Nile, Ethiopia. Hydrology Research, 2020, 51, 1537-1559.	1.1	15
29	Integrating water use systems and soil and water conservation measures into a hydrological model of an Iranian Wadi system. Journal of Arid Land, 2020, 12, 545-560.	0.9	8
30	Structural Characteristics and Driving Factors of the Planktonic Eukaryotic Community in the Danjiangkou Reservoir, China. Water (Switzerland), 2020, 12, 3499.	1.2	10
31	Assessing parameter identifiability for multiple performance criteria to constrain model parameters. Hydrological Sciences Journal, 2020, 65, 1158-1172.	1.2	15
32	When is a hydrological model sufficiently calibrated to depict flow preferences of riverine species?. Ecohydrology, 2020, 13, e2193.	1.1	7
33	An improved process-based representation of stream solute transport in the soil and water assessment tools. Hydrological Processes, 2020, 34, 2599-2611.	1.1	7
34	Developing an improved user interface for a physically-based stream solute transport model. Environmental Modelling and Software, 2020, 129, 104715.	1.9	6
35	Hydrological tracers, the herbicide metazachlor and its transformation products in a retention pond during transient flow conditions. Environmental Science and Pollution Research, 2019, 26, 26706-26720.	2.7	8
36	Analysis of the occurrence, robustness and characteristics of abrupt changes in streamflow time series under future climate change. Climate Risk Management, 2019, 26, 100198.	1.6	8

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37	Identifying the most important spatially distributed variables for explaining land use patterns in a rural lowland catchment in Germany. Journal of Chinese Geography, 2019, 29, 1788-1806.	1.5	12
38	Modeling the impact of agricultural crops on the spatial and seasonal variability of water balance components in the Lake Tana basin, Ethiopia. Hydrology Research, 2019, 50, 1376-1396.	1.1	18
39	Examining lag time using the landscape, pedoscape and lithoscape metrics of catchments. Ecological Indicators, 2019, 105, 36-46.	2.6	16
40	How weather conditions and physico-chemical properties control the leaching of flufenacet, diflufenican, and pendimethalin in a tile-drained landscape. Agriculture, Ecosystems and Environment, 2019, 278, 107-116.	2.5	25
41	Gaining prediction accuracy in land use modeling by integrating modeled hydrologic variables. Environmental Modelling and Software, 2019, 115, 155-163.	1.9	18
42	Climate change impacts on ecologically relevant hydrological indicators in three catchments in three European ecoregions. Ecological Engineering, 2019, 127, 404-416.	1.6	39
43	Towards an improved understanding of hydrological change â€“ linking hydrologic metrics and multiple change point tests. Journal of Water and Climate Change, 2019, 10, 743-758.	1.2	4
44	Analysing spatio-temporal process and parameter dynamics in models to characterise contrasting catchments. Journal of Hydrology, 2019, 570, 863-874.	2.3	15
45	Projected changes in climate and hydrological regimes of the Western Siberian lowlands. Environmental Earth Sciences, 2019, 78, 1.	1.3	6
46	Riverine phytoplankton functional groups response to multiple stressors variously depending on hydrological periods. Ecological Indicators, 2019, 101, 41-49.	2.6	32
47	Simple regression models can act as calibration-substitute to approximate transient storage parameters in streams. Advances in Water Resources, 2019, 123, 201-209.	1.7	9
48	Comparing the effects of dynamic versus static representations of land use change in hydrologic impact assessments. Environmental Modelling and Software, 2019, 122, 103987.	1.9	57
49	Regionalizing time of concentration using landscape structural patterns of catchments. Journal of Hydrology and Hydromechanics, 2019, 67, 135-142.	0.7	5
50	Hydrological and environmental variables outperform spatial factors in structuring species, trait composition, and beta diversity of pelagic algae. Ecology and Evolution, 2018, 8, 2947-2961.	0.8	40
51	Improved structure of vertical flow velocity distribution in natural rivers based on mean vertical profile velocity and relative water depth. Hydrology Research, 2018, 49, 878-892.	1.1	2
52	Regionalizing Flood Magnitudes using Landscape Structural Patterns of Catchments. Water Resources Management, 2018, 32, 2385-2403.	1.9	9
53	Riverine phytoplankton shifting along a lentic-lotic continuum under hydrological, physiochemical conditions and species dispersal. Science of the Total Environment, 2018, 619-620, 1628-1636.	3.9	40
54	PondR: a process-oriented model to simulate the hydrology of drainage ponds. Journal of Hydroinformatics, 2018, 20, 149-163.	1.1	5

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55	Lentic small water bodies: Variability of pesticide transport and transformation patterns. Science of the Total Environment, 2018, 618, 26-38.	3.9	24
56	Modelling of hydrological processes in snowmelt-governed permafrost-free catchments of the Western Siberian lowlands. International Journal of Hydrology Science and Technology, 2018, 8, 289.	0.2	0
57	Length-weight relationships of two fish species from the Jialing River, the largest tributary of the upper Yangtze River, China. Journal of Applied Ichthyology, 2018, 34, 1373-1375.	0.3	4
58	Effects of land-use pattern and physiochemical conditions on phytoplankton communities in a German lowland catchment. Fundamental and Applied Limnology, 2018, 191, 175-187.	0.4	11
59	Effects of hydrological variables on structuring morphological trait (cell size) of diatom community in a lowland river. Ecological Indicators, 2018, 94, 207-217.	2.6	14
60	Diatoms as an indicator for tile drainage flow in a German lowland catchment. Environmental Sciences Europe, 2018, 30, 4.	2.6	5
61	Modelling of hydrological processes in snowmelt-governed permafrost-free catchments of the Western Siberian Lowlands. International Journal of Hydrology Science and Technology, 2018, 1, 1.	0.2	1
62	How to Constrain Multiâ€Objective Calibrations of the SWAT Model Using Water Balance Components. Journal of the American Water Resources Association, 2017, 53, 532-546.	1.0	39
63	Improving hydrological model optimization for riverine species. Ecological Indicators, 2017, 80, 376-385.	2.6	26
64	Assessing the impacts of Best Management Practices on nitrate pollution in an agricultural dominated lowland catchment considering environmental protection versus economic development. Journal of Environmental Management, 2017, 196, 347-364.	3.8	66
65	Application of modified Manning formula in the determination of vertical profile velocity in natural rivers. Hydrology Research, 2017, 48, 133-146.	1.1	5
66	Seasonality of Roughness - the Indicator of Annual River Flow Resistance Condition in a Lowland Catchment. Water Resources Management, 2017, 31, 3299-3312.	1.9	15
67	Combining multivariate statistical techniques and random forests model to assess and diagnose the trophic status of Poyang Lake in China. Ecological Indicators, 2017, 83, 74-83.	2.6	45
68	Best management practices to reduce nitrate pollution in a rural watershed in Germany. Revista Ambiente & Ãgua, 2017, 12, 888.	0.1	6
69	Identifying the connective strength between model parameters and performance criteria. Hydrology and Earth System Sciences, 2017, 21, 5663-5679.	1.9	24
70	Application of a modeling approach to designate soil and soil organic carbon loss to wind erosion on long-term monitoring sites (BDF) in Northern Germany. Aeolian Research, 2017, 25, 135-147.	1.1	28
71	Hydrological modeling in a rural catchment in Germany. Revista Brasileira De Tecnologia Aplicada Nas CiÃªncias AgrÃ¡rias, 2017, 10, .	0.1	1
72	Reactive ditches: A simple approach to implement denitrifying wood chip bioreactors to reduce nitrate exports into aquatic ecosystems?. Environmental Earth Sciences, 2016, 75, 1.	1.3	15

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73	On characterizing the temporal dominance patterns of model parameters and processes. Hydrological Processes, 2016, 30, 2255-2270.	1.1	43
74	Long-term monitoring of soil quality changes in Northern Germany. Geoderma Regional, 2016, 7, 239-249.	0.9	8
75	Simulating impacts of silage maize (Zea mays) in monoculture and undersown with annual grass () Tj ETQq1 1 0.784314 rgBT /Overlo Water Management, 2016, 178, 52-65.	2.4	3
76	Evaluation of Land Use, Land Management and Soil Conservation Strategies to Reduce Non-Point Source Pollution Loads in the Three Gorges Region, China. Environmental Management, 2016, 58, 906-921.	1.2	52
77	Water-related ecosystem services in Western Siberian lowland basinsâ€"Analysing and mapping spatial and seasonal effects on regulating services based on ecohydrological modelling results. Ecological Indicators, 2016, 71, 55-65.	2.6	56
78	Importance of sampling frequency when collecting diatoms. Scientific Reports, 2016, 6, 36950.	1.6	19
79	Demasking the integrated information of discharge: Advancing sensitivity analysis to consider different hydrological components and their rates of change. Water Resources Research, 2016, 52, 8724-8743.	1.7	26
80	Regionalization of Tank Model Using Landscape Metrics of Catchments. Water Resources Management, 2016, 30, 5065-5085.	1.9	13
81	Field data-based implementation of land management and terraces on the catchment scale for an eco-hydrological modelling approach in the Three Gorges Region, China. Agricultural Water Management, 2016, 175, 43-60.	2.4	15
82	A joined multi-metric calibration of river discharge and nitrate loads with different performance measures. Journal of Hydrology, 2016, 536, 534-545.	2.3	34
83	A new model linking macroinvertebrate assemblages to habitat composition in rivers: development, sensitivity and univariate application. Fundamental and Applied Limnology, 2015, 186, 117-133.	0.4	12
84	Dynamic Modelling of Land Use Change Impacts on Nitrate Loads in Rivers. Environmental Processes, 2015, 2, 575-592.	1.7	52
85	Modelling the relationship between catchment attributes and wetland water quality in Japan. Ecohydrology, 2015, 8, 726-737.	1.1	4
86	Process verification of a hydrological model using a temporal parameter sensitivity analysis. Hydrology and Earth System Sciences, 2015, 19, 4365-4376.	1.9	42
87	A Modelling Framework to Assess the Effect of Pressures on River Abiotic Habitat Conditions and Biota. PLoS ONE, 2015, 10, e0130228.	1.1	19
88	Assessment of geo-hazards in a rapidly changing landscape: the three Gorges Reservoir Region in China. Environmental Earth Sciences, 2015, 74, 4939-4960.	1.3	12
89	Simulation, quantification and comparison of in-channel and floodplain sediment processes in a lowland area â€“ A case study of the Upper StÃ¶r catchment in northern Germany. Ecological Indicators, 2015, 57, 118-127.	2.6	9
90	Natural and Anthropogenic Causes of Vegetation Changes in Riparian Wetlands Along the Lower Reaches of the Yellow River, China. Wetlands, 2015, 35, 391-399.	0.7	14

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91	Eco-hydrologic model cascades: Simulating land use and climate change impacts on hydrology, hydraulics and habitats for fish and macroinvertebrates. Science of the Total Environment, 2015, 533, 542-556.	3.9	77
92	An attack on two fronts: predicting how changes in land use and climate affect the distribution of stream macroinvertebrates. Freshwater Biology, 2015, 60, 1443-1458.	1.2	66
93	Detection of dominant nitrate processes in ecohydrological modeling with temporal parameter sensitivity analysis. Ecological Modelling, 2015, 314, 62-72.	1.2	21
94	Water-Related Ecosystem Services â€“ The Case Study of Regulating Ecosystem Services in the Kielstau Basin, Germany. , 2015, , 215-232.		1
95	The impact of land use change in the Xiangxi Catchment (China) on water balance and sediment transport. Regional Environmental Change, 2015, 15, 485-498.	1.4	53
96	Impacts of land use changes on hydrological components and macroinvertebrate distributions in the Poyang lake area. Ecohydrology, 2015, 8, 1119-1136.	1.1	31
97	The Basic Ideas of the Ecosystem Service Concept. , 2015, , 7-33.		7
98	Assessment of the Environmental Fate of the Herbicides Flufenacet and Metazachlor with the SWAT Model. Journal of Environmental Quality, 2014, 43, 75-85.	1.0	54
99	Simulation of Streamflow and Sediment with the Soil and Water Assessment Tool in a Data Scarce Catchment in the Three Gorges Region, China. Journal of Environmental Quality, 2014, 43, 37-45.	1.0	56
100	Temporal variability of nitrogen and phosphorus concentrations in a German catchment: water sampling implication. Revista Brasileira De Engenharia Agricola E Ambiental, 2014, 18, 811-818.	0.4	0
101	A multiâ€storage groundwater concept for the SWAT model to emphasize nonlinear groundwater dynamics in lowland catchments. Hydrological Processes, 2014, 28, 5599-5612.	1.1	75
102	Smart low flow signature metrics for an improved overall performance evaluation of hydrological models. Journal of Hydrology, 2014, 510, 447-458.	2.3	134
103	Modeling daily chlorophyll a dynamics in a German lowland river using artificial neural networks and multiple linear regression approaches. Limnology, 2014, 15, 47-56.	0.8	38
104	Integrating catchment properties in small scale species distribution models of stream macroinvertebrates. Ecological Modelling, 2014, 277, 77-86.	1.2	70
105	How to improve the representation of hydrological processes in SWAT for a lowland catchment â€“ temporal analysis of parameter sensitivity and model performance. Hydrological Processes, 2014, 28, 2651-2670.	1.1	112
106	Contribution of microspatial factors to benthic diatom communities. Hydrobiologia, 2014, 732, 49-60.	1.0	8
107	Simulation and comparison of stream power in-channel and on the floodplain in a German lowland area. Journal of Hydrology and Hydromechanics, 2014, 62, 133-144.	0.7	16
108	Modeling the effects of environmental variables on short-term spatial changes in phytoplankton biomass in a large shallow lake, Lake Taihu. Environmental Earth Sciences, 2014, 72, 3609-3621.	1.3	26

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109	A Comparison of Three Approaches to Predict Phytoplankton Biomass in Gonghu Bay of Lake Taihu. Journal of Environmental Informatics, 2014, 24, 39-51.	6.0	15
110	Assessing the Impacts of Four Land Use Types on the Water Quality of Wetlands in Japan. Water Resources Management, 2013, 27, 2217-2229.	1.9	131
111	Herbicide transport via surface runoff during intermittent artificial rainfall: A laboratory plot scale study. Catena, 2013, 101, 38-49.	2.2	30
112	Application of a hydrological-hydraulic modelling cascade in lowlands for investigating water and sediment fluxes in catchment, channel and reach. Journal of Hydrology and Hydromechanics, 2013, 61, 334-346.	0.7	28
113	Soil structure and herbicide transport on soil surfaces during intermittent artificial rainfall. Zeitschrift FÃ¼r Geomorphologie, 2013, 57, 135-155.	0.3	2
114	Estimating the impacts and uncertainty of changing spatial input data resolutions on streamflow simulations in two basins. Journal of Hydroinformatics, 2012, 14, 902-917.	1.1	4
115	Parameter calibration and uncertainty estimation of a simple rainfall-runoff model in two case studies. Journal of Hydroinformatics, 2012, 14, 1061-1074.	1.1	8
116	Linkage Between In-Stream Total Phosphorus and Land Cover in Chugoku District, Japan: An Ann Approach. Journal of Hydrology and Hydromechanics, 2012, 60, 33-44.	0.7	15
117	Spatial patterns and temporal variability of dryness/wetness in the Yangtze River Basin, China. Quaternary International, 2012, 282, 5-13.	0.7	62
118	Ruralâ€“urban gradient analysis of ecosystem services supply and demand dynamics. Land Use Policy, 2012, 29, 521-535.	2.5	379
119	Development and testing of a phytoplankton index of biotic integrity (P-IBI) for a German lowland river. Ecological Indicators, 2012, 13, 158-167.	2.6	89
120	Development and evaluation of a diatom-based index of biotic integrity (D-IBI) for rivers impacted by run-of-river dams. Ecological Indicators, 2012, 18, 108-117.	2.6	59
121	Modelling of riverine ecosystems by integrating models: conceptual approach, a case study and research agenda. Journal of Biogeography, 2012, 39, 2253-2263.	1.4	52
122	Accuracy, reproducibility and sensitivity of acoustic Doppler technology for velocity and discharge measurements in medium-sized rivers. Hydrological Sciences Journal, 2012, 57, 1626-1641.	1.2	10
123	Training hydrologists to be ecohydrologists and play a leading role in environmental problem solving. Hydrology and Earth System Sciences, 2012, 16, 1685-1696.	1.9	23
124	Assessing the spatial and temporal variations of water quality in lowland areas, Northern Germany. Journal of Hydrology, 2012, 438-439, 137-147.	2.3	44
125	Interaction of River Basins and Coastal Waters â€“ An Integrated Ecohydrological View. , 2011, , 109-150.		3
126	Development and application of a nitrogen simulation model in a data scarce catchment in South China. Agricultural Water Management, 2011, 98, 619-631.	2.4	28

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127	Effects of DEM horizontal resolution and methods on calculating the slope length factor in gently rolling landscapes. Catena, 2011, 87, 368-375.	2.2	37
128	A comparison of phytoplankton assemblages generated by two sampling protocols in a German lowland catchment. Annales De Limnologie, 2011, 47, 313-323.	0.6	11
129	The impact of agricultural Best Management Practices on water quality in a North German lowland catchment. Environmental Monitoring and Assessment, 2011, 183, 351-379.	1.3	136
130	Application of a Simple Raster-Based Hydrological Model for Streamflow Prediction in a Humid Catchment with Polder Systems. Water Resources Management, 2011, 25, 661-676.	1.9	29
131	Distribution of phytoplankton in a German lowland river in relation to environmental factors. Journal of Plankton Research, 2011, 33, 807-820.	0.8	83
132	Structural uncertainty assessment in a discharge simulation model. Hydrological Sciences Journal, 2011, 56, 854-869.	1.2	13
133	Temporal impacts of a small hydropower plant on benthic algal community. Fundamental and Applied Limnology, 2010, 177, 257-266.	0.4	16
134	Impacts of cascade run-of-river dams on benthic diatoms in the Xiangxi River, China. Aquatic Sciences, 2010, 72, 117-125.	0.6	42
135	Streamflow Trends and Climate Variability Impacts in Poyang Lake Basin, China. Water Resources Management, 2010, 24, 689-706.	1.9	99
136	Incorporating landscape depressions and tile drainages of a northern German lowland catchment into a semiâ€distributed model. Hydrological Processes, 2010, 24, 1472-1486.	1.1	71
137	Two-dimensional numerical assessment of the hydrodynamics of the Nile swamps in southern Sudan. Hydrological Sciences Journal, 2010, 55, 17-26.	1.2	14
138	Flooding and drying mechanisms of the seasonal Sudd flood plains along the Bahr el Jebel in southern Sudan. Hydrological Sciences Journal, 2010, 55, 4-16.	1.2	12
139	Modelling point and diffuse source pollution of nitrate in a rural lowland catchment using the SWAT model. Agricultural Water Management, 2010, 97, 317-325.	2.4	118
140	A test of CoupModel for assessing the nitrogen leaching in grassland systems with two different fertilization levels. Journal of Plant Nutrition and Soil Science, 2009, 172, 745-756.	1.1	9
141	Spatial and temporal characteristics of wet spells in the Yangtze River Basin from 1961 to 2003. Theoretical and Applied Climatology, 2009, 98, 107-117.	1.3	20
142	Impact of organic farming systems on runoff formation processesâ€"A long-term sequential rainfall experiment. Soil and Tillage Research, 2009, 102, 45-54.	2.6	18
143	Suitability of S factor algorithms for soil loss estimation at gently sloped landscapes. Catena, 2009, 77, 248-255.	2.2	17
144	Using a simple model as a tool to parameterise the SWAT model of the Xiangxi river in China. Quaternary International, 2009, 208, 116-120.	0.7	28

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145	Modelling of nitrogen leaching under a complex winter wheat and red clover crop rotation in a drained agricultural field. Physics and Chemistry of the Earth, 2009, 34, 530-540.	1.2	37
146	Variability of water quality in a riparian wetland with interacting shallow groundwater and surface water. Journal of Plant Nutrition and Soil Science, 2009, 172, 757-768.	1.1	11
147	Morphological analysis of the Sudd region using land survey and remote sensing data. Earth Surface Processes and Landforms, 2008, 33, 1709-1720.	1.2	12
148	Modelling hydrological processes in mesoscale lowland river basins with SWATâ€"capabilities and challenges. Hydrological Sciences Journal, 2008, 53, 989-1000.	1.2	46
149	Comparison of a simple and a spatially distributed hydrologic model for the simulation of a lowland catchment in Northern Germany. Ecological Modelling, 2007, 209, 21-28.	1.2	18
150	The evaluation of land-use options in mesoscale catchments. Ecological Modelling, 2005, 187, 3-14.	1.2	40
151	SWAT2000: current capabilities and research opportunities in applied watershed modelling. Hydrological Processes, 2005, 19, 563-572.	1.1	1,089
152	Automatic model calibration. Hydrological Processes, 2005, 19, 651-658.	1.1	72
153	Considering spatial distribution and deposition of sediment in lumped and semi-distributed models. Hydrological Processes, 2005, 19, 785-794.	1.1	35
154	Assessment of the effects of land use patterns on hydrologic landscape functions: development of sustainable land use concepts for low mountain range areas. Hydrological Processes, 2005, 19, 659-672.	1.1	152
155	Assessment of the effect of land use patterns on hydrologic landscape functions: a comprehensive GIS-based tool to minimize model uncertainty resulting from spatial aggregation. Hydrological Processes, 2005, 19, 715-727.	1.1	55
156	Assessment of anthropogenic impacts on water quality. Physics and Chemistry of the Earth, 2005, 30, 471.	1.2	2
157	Implementing river water quality modelling issues in mesoscale watershed models for water policy demandsâ€"â€"an overview on current concepts, deficits, and future tasks. Physics and Chemistry of the Earth, 2004, 29, 725-737.	1.2	68
158	Recent developments in river basin research and management. Physics and Chemistry of the Earth, 2003, 28, 1279.	1.2	6
159	Effects of land use changes on the nutrient balance in mesoscale catchments. Physics and Chemistry of the Earth, 2003, 28, 1301-1309.	1.2	41
160	Computer-assisted mapping of the seed bed structure. Journal of Plant Nutrition and Soil Science, 2003, 166, 124-125.	1.1	1
161	Quantification of soil properties based on external information by means of fuzzy-set theory. Journal of Plant Nutrition and Soil Science, 2002, 165, 511.	1.1	5
162	Interdisciplinary modeling and the significance of soil functions. Journal of Plant Nutrition and Soil Science, 2002, 165, 460.	1.1	20

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163	SWAT-G, a version of SWAT99.2 modified for application to low mountain range catchments. Physics and Chemistry of the Earth, 2002, 27, 641-644.	1.2	81
164	Comparison of two different approaches of sensitivity analysis. Physics and Chemistry of the Earth, 2002, 27, 645-654.	1.2	418
165	An interdisciplinary modelling approach to evaluate the effects of land use change. Physics and Chemistry of the Earth, 2002, 27, 655-662.	1.2	62
166	Long-term land use changes in a mesoscale watershed due to socio-economic factors â€" effects on landscape structures and functions. Ecological Modelling, 2001, 140, 125-140.	1.2	122
167	Hydrologic Response to land use changes on the catchment scale. Physics and Chemistry of the Earth, 2001, 26, 577-582.	0.3	305
168	Changing soil and surface conditions during rainfall. Catena, 1999, 37, 355-375.	2.2	111
169	OberflÃchenverschlammung und AbfluÃŸbildung auf BÃ¶den aus LÃ¶ÃŸ und pleistozÃnen Sedimenten. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1995, 158, 43-53.	0.4	8
170	Using residual analysis, auto- and cross-correlations to identify key processes for the calibration of the SWAT model in a data scarce region. Advances in Geosciences, 0, 31, 23-30.	12.0	9
171	Detailed spatial analysis of SWAT-simulated surface runoff and sediment yield in a mountainous watershed in China. Hydrological Sciences Journal, 0, , 1-17.	1.2	16
172	Modelling spatial distribution of surface runoff and sediment yield in a Chinese river basin without continuous sediment monitoring. Hydrological Sciences Journal, 0, , 1-24.	1.2	7
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