Ronny Berndtsson

List of Publications by Year
in descending order

229 papers	6,418 citations	61857 43 h-index	123241 61 g-index
241 all docs	241 docs citations	241 times ranked	5934 citing authors

#	Article	IF	Citations
1	Is road-side fishpond water in Bangladesh safe for human use? An assessment using water quality indices. Environmental Challenges, 2022, 6, 100434.	2.0	14
2	Distribution of heavy metals and related health risks through soil ingestion in rural areas of western Japan. Chemosphere, 2022, 290, 133316.	4.2	19
3	Drivers of Long-Term Land-Use Pressure in the Merguellil Wadi, Tunisia, Using DPSIR Approach and Remote Sensing. Land, 2022, 11, 138.	1.2	5
4	Parasitological Assessment of Sewage Sludge Samples for Potential Agricultural Reuse in Tunisia. International Journal of Environmental Research and Public Health, 2022, 19, 1657.	1.2	7
5	Areal Precipitation Coverage Ratio for Enhanced AI Modelling of Monthly Runoff: A New Satellite Data-Driven Scheme for Semi-Arid Mountainous Climate. Remote Sensing, 2022, 14, 270.	1.8	4
6	Viciaâ€"Micronucleus Test Application for Saline Irrigation Water Risk Assessment. Plants, 2022, 11, 462.	1.6	0
7	A Combination of Metaheuristic Optimization Algorithms and Machine Learning Methods Improves the Prediction of Groundwater Level. Water (Switzerland), 2022, 14, 751.	1.2	15
8	A hybrid approach based on simulation, optimization, and estimation of conjunctive use of surface water and groundwater resources. Environmental Science and Pollution Research, 2022, 29, 56828-56844.	2.7	5
9	DynSus: Dynamic sustainability assessment in groundwater remediation practice. Science of the Total Environment, 2022, 832, 154992.	3.9	7
10	Urban Flood-Risk Assessment: Integration of Decision-Making and Machine Learning. Sustainability, 2022, 14, 4483.	1.6	21
11	Can Potato Crop on Sandy Soil Be Safely Irrigated with Heavy Metal Polluted Water?. Water (Switzerland), 2022, 14, 1226.	1.2	1
12	Spatial Distribution and Source Identification of Water Quality Parameters of an Industrial Seaport Riverbank Area in Bangladesh. Water (Switzerland), 2022, 14, 1356.	1.2	10
13	Quality Assessment and Rehabilitation of Mountain Forest in the Chongli Winter Olympic Games Area, China. Forests, 2022, 13, 783.	0.9	4
14	Groundwater Extraction Reduction within an Irrigation District by Enhancing the Surface Water Distribution. Water (Switzerland), 2022, 14, 1610.	1.2	4
15	Evaluation of modified Hilhorst models for pore electrical conductivity estimation using a low-cost dielectric sensor. Arabian Journal of Geosciences, 2022, 15, .	0.6	1
16	Urban flood damage claim analyses for improved flood damage assessment. International Journal of Disaster Risk Reduction, 2022, 77, 103099.	1.8	6
17	A probabilistic-deterministic analysis of human health risk related to the exposure to potentially toxic elements in groundwater of Urmia coastal aquifer (NW of Iran) with a special focus on arsenic speciation and temporal variation. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1509.	1.9	46
18	Assessment of hydro-geochemical properties of groundwater under the effect of desalination wastewater discharge in an arid area. Environmental Science and Pollution Research, 2021, 28, 6176-6194.	2.7	1

#	Article	IF	Citations
19	Maize residue effects on PM2.5, PM10, and dust emission from agricultural land. Soil and Tillage Research, 2021, 205, 104738.	2.6	11
20	Impact of spatiotemporal land-use and land-cover changes on surface urban heat islands in a semiarid region using Landsat data. International Journal of Digital Earth, 2021, 14, 250-270.	1.6	26
21	Spatiotemporal variation of nitrate concentrations in soil and groundwater of an intensely polluted agricultural area. Scientific Reports, 2021, 11, 2598.	1.6	24
22	Spatial Characteristics of Groundwater Chemistry in Unzen, Nagasaki, Japan. Water (Switzerland), 2021, 13, 426.	1.2	9
23	Efficient organic mulch thickness for soil and water conservation in urban areas. Scientific Reports, 2021, 11, 6259.	1.6	14
24	Drought impact in the Bolivian Altiplano agriculture associated with the El Niño–Southern Oscillation using satellite imagery data. Natural Hazards and Earth System Sciences, 2021, 21, 995-1010.	1.5	13
25	Linear and Nonlinear Trend Analyzes in Global Satellite–Based Precipitation, 1998–2017. Earth's Future, 2021, 9, e2020EF001835.	2.4	11
26	Assessing data-scarce contaminated groundwater sites surrounding petrochemical industries. Environmental Earth Sciences, 2021, 80, 1.	1.3	10
27	Nutrient and salinity management for spinach production under sprinkler irrigation in the low desert region of California. Irrigation Science, 2021, 39, 735-749.	1.3	6
28	A Comparative Analysis of Root Growth Modules in HYDRUS for SWC of Rice under Deficit Drip Irrigation. Water (Switzerland), 2021, 13, 1892.	1.2	5
29	INSIDE-T: A Groundwater Contamination Transport Model for Sustainability Assessment in Remediation Practice. Sustainability, 2021, 13, 7596.	1.6	9
30	Quantitative Assessment of Environmental Sensitivity to Desertification Using the Modified MEDALUS Model in a Semiarid Area. Sustainability, 2021, 13, 7817.	1.6	18
31	Climate vs. Human Impact: Quantitative and Qualitative Assessment of Streamflow Variation. Water (Switzerland), 2021, 13, 2404.	1.2	9
32	Groundwater nitrogen response to regional land-use management in South Japan. Environmental Earth Sciences, 2021, 80, 1.	1.3	3
33	Novel approach for predicting groundwater storage loss using machine learning. Journal of Environmental Management, 2021, 296, 113237.	3.8	22
34	Is Climate or Direct Human Influence Responsible for Discharge Decrease in the Tunisian Merguellil Basin?. Water (Switzerland), 2021, 13, 2748.	1.2	2
35	Effects of the Japanese 2016 Kumamoto Earthquake on Nitrate Content in Groundwater Supply. Minerals (Basel, Switzerland), 2021, 11, 43.	0.8	4
36	Efficiency of Different Moringa oleifera (Lam.) Varieties as Natural Coagulants for Urban Wastewater Treatment. Sustainability, 2021, 13, 13500.	1.6	5

#	Article	IF	Citations
37	HPI appraisal of concentrations of heavy metals in dynamic and static flow of Ganga River System. Environment, Development and Sustainability, 2020, 22, 33-46.	2.7	18
38	Integrated large‑scale circulation impact on rainy season precipitation in the source region of the Yangtze River. International Journal of Climatology, 2020, 40, 2285-2295.	1.5	9
39	Temporal characteristics of groundwater chemistry affected by the 2016 Kumamoto earthquake using self-organizing maps. Journal of Hydrology, 2020, 582, 124519.	2.3	62
40	Desiccating Lake Urmia: A New Dust Source of Regional Importance. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1483-1487.	1.4	34
41	Evidence of climate shift for temperature and precipitation extremes across Gansu Province in China. Theoretical and Applied Climatology, 2020, 139, 1137-1149.	1.3	15
42	Systemic Inequity in Urban Flood Exposure and Damage Compensation. Water (Switzerland), 2020, 12, 3152.	1.2	14
43	Access to sustainable electrification: Possibilities for rural Mozambique. Cogent Engineering, 2020, 7, 1765688.	1.1	5
44	Application of Advanced Machine Learning Algorithms to Assess Groundwater Potential Using Remote Sensing-Derived Data. Remote Sensing, 2020, 12, 2742.	1.8	46
45	The Future of Water Management in Central Asia. Water (Switzerland), 2020, 12, 2241.	1.2	13
46	Impact of the Sediment Organic vs. Mineral Content on Distribution of the Per- and Polyfluoroalkyl Substances (PFAS) in Lake Sediment. International Journal of Environmental Research and Public Health, 2020, 17, 5642.	1.2	14
47	Fluoride occurrence and human health risk from groundwater use at the west coast of Urmia Lake, Iran. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	45
48	NDVI Dynamics and Its Response to Climate Change and Reforestation in Northern China. Remote Sensing, 2020, 12, 4138.	1.8	45
49	Application of extreme gradient boosting and parallel random forest algorithms for assessing groundwater spring potential using DEM-derived factors. Journal of Hydrology, 2020, 589, 125197.	2.3	78
50	INSIDE: An efficient guide for sustainable remediation practice in addressing contaminated soil and groundwater. Science of the Total Environment, 2020, 740, 139879.	3.9	15
51	Ground Validation of GPM IMERG Precipitation Products over Iran. Remote Sensing, 2020, 12, 48.	1.8	51
52	PODMT3DMS-Tool: proper orthogonal decomposition linked to the MT3DMS model for nitrate simulation in aquifers. Hydrogeology Journal, 2020, 28, 1125-1142.	0.9	13
53	Changes in Precipitation Extremes over the Source Region of the Yellow River and Its Relationship with Teleconnection Patterns. Water (Switzerland), 2020, 12, 978.	1.2	10
54	Use of Heavy Metal Content and Modified Water Quality Index to Assess Groundwater Quality in a Semiarid Area. Water (Switzerland), 2020, 12, 1115.	1.2	48

#	Article	IF	Citations
55	Earthquake effects on artificial groundwater recharge efforts in south Japan. Environmental Earth Sciences, 2020, 79, 1.	1.3	4
56	Application of remote sensing techniques and machine learning algorithms in dust source detection and dust source susceptibility mapping. Ecological Informatics, 2020, 56, 101059.	2.3	61
57	Evaluation of a new X-band weather radar for operational use in south Sweden. Water Science and Technology, 2020, 81, 1623-1635.	1.2	4
58	Analysis of earthquake-induced groundwater level change using self-organizing maps. Environmental Earth Sciences, 2019, 78, 1.	1.3	16
59	Use of sterols to monitor surface water quality change and nitrate pollution source. Ecological Indicators, 2019, 107, 105534.	2.6	15
60	Social Acceptability of Flood Management Strategies under Climate Change Using Contingent Valuation Method (CVM). Sustainability, 2019, 11, 5053.	1.6	11
61	Modeling of Fertilizer Transport for Various Fertigation Scenarios under Drip Irrigation. Water (Switzerland), 2019, 11, 893.	1.2	18
62	Spatiotemporal Changes in Precipitation and Temperature in the Huaibei Plain and the Relation between Local Precipitation and Global Teleconnection Patterns. Journal of Hydrologic Engineering - ASCE, 2019, 24, 05019019.	0.8	1
63	On the Predictability of Daily Rainfall during Rainy Season over the Huaihe River Basin. Water (Switzerland), 2019, 11, 916.	1.2	13
64	Inverse method using boosted regression tree and k-nearest neighbor to quantify effects of point and non-point source nitrate pollution in groundwater. Journal of Cleaner Production, 2019, 228, 1248-1263.	4.6	85
65	Temporal trends and sediment–water partitioning of per- and polyfluoroalkyl substances (PFAS) in lake sediment. Chemosphere, 2019, 227, 624-629.	4.2	56
66	Recent and future trends in sea surface temperature across the Persian Gulf and Gulf of Oman. PLoS ONE, 2019, 14, e0212790.	1.1	55
67	Modelling Lake Titicaca's daily and monthly evaporation. Hydrology and Earth System Sciences, 2019, 23, 657-668.	1.9	24
68	Drivers of changing urban flood risk: A framework for action. Journal of Environmental Management, 2019, 240, 47-56.	3.8	102
69	Climate Change Impact on Flood Frequency and Source Area in Northern Iran under CMIP5 Scenarios. Water (Switzerland), 2019, 11, 273.	1.2	61
70	Mini-Grid Hydropower for Rural Electrification in Mozambique: Meeting Local Needs with Supply in a Nexus Approach. Water (Switzerland), 2019, 11, 305.	1.2	13
71	Influence of Root Distribution on Preferential Flow in Deciduous and Coniferous Forest Soils. Forests, 2019, 10, 986.	0.9	26
72	Laboratory Calibration and Field Validation of Soil Water Content and Salinity Measurements Using the 5TE Sensor. Sensors, 2019, 19, 5272.	2.1	12

#	Article	IF	Citations
73	Multi-Space Seasonal Precipitation Prediction Model Applied to the Source Region of the Yangtze River, China. Water (Switzerland), 2019, 11, 2440.	1.2	2
74	Evaluation of CMIP5 models for west and southwest Iran using TOPSIS-based method. Theoretical and Applied Climatology, 2019, 137, 533-543.	1.3	47
75	Precipitation variability and its relation to climate anomalies in the Bolivian Altiplano. International Journal of Climatology, 2019, 39, 2096-2107.	1.5	26
76	A critical review on the application of the National Sanitation Foundation Water Quality Index. Environmental Pollution, 2019, 244, 575-587.	3.7	147
77	Water in Kazakhstan, a key in Central Asian water management. Hydrological Sciences Journal, 2018, 63, 752-762.	1.2	33
78	Regionalization of precipitation characteristics in Iran's Lake Urmia basin. Theoretical and Applied Climatology, 2018, 132, 363-373.	1.3	47
79	Temporal and depth variation of water quality due to thermal stratification in Karkheh Reservoir, Iran. Journal of Hydrology: Regional Studies, 2018, 19, 279-286.	1.0	30
80	Hydrogeochemical evolution of groundwater in a Quaternary sediment and Cretaceous sandstone unconfined aquifer in Northwestern China. Environmental Earth Sciences, 2018, 77, 1.	1.3	10
81	Relationship between water quality and macro-scale parameters (land use, erosion, geology, and) Tj ETQq1 1 0.784314 rgBT /Overloc 1588-1600.	3.9	45
82	Simplified SMA-inspired 1-parameter SCS-CN model for runoff estimation. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	10
83	Groundwater Pollution Sources Apportionment in the Ghaen Plain, Iran. International Journal of Environmental Research and Public Health, 2018, 15, 172.	1.2	49
84	Surface water chemistry and nitrate pollution in Shimabara, Nagasaki, Japan. Environmental Earth Sciences, 2018, 77, 1.	1.3	15
85	Protozoan Parasites in Drinking Water: A System Approach for Improved Water, Sanitation and Hygiene in Developing Countries. International Journal of Environmental Research and Public Health, 2018, 15, 495.	1.2	139
86	Evolutionary polynomial regression approach to predict longitudinal dispersion coefficient in rivers. Journal of Water Supply: Research and Technology - AQUA, 2018, , jws2018021.	0.6	8
87	Field experiment and numerical simulation of point source irrigation with multiple tracers. PLoS ONE, 2018, 13, e0190500.	1.1	0
88	Impact of complexity on daily and multi-step forecasting of streamflow with chaotic, stochastic, and black-box models. Stochastic Environmental Research and Risk Assessment, 2017, 31, 661-682.	1.9	26
89	Classification of groundwater chemistry in Shimabara, using self-organizing maps. Hydrology Research, 2017, 48, 840-850.	1.1	25
90	Using Floodwater for Artificial Recharge and Spate Irrigation. , 2017, , 697-736.		2

#	Article	IF	Citations
91	On the use of coprostanol to identify source of nitrate pollution in groundwater. Journal of Hydrology, 2017, 550, 663-668.	2.3	39
92	Hydrologic Response of Climate Change in the Source Region of the Yangtze River, Based on Water Balance Analysis. Water (Switzerland), 2017, 9, 115.	1.2	20
93	Could Changing Power Relationships Lead to Better Water Sharing in Central Asia?. Water (Switzerland), 2017, 9, 139.	1.2	30
94	ENSO Influence on Rainy Season Precipitation over the Yangtze River Basin. Water (Switzerland), 2017, 9, 469.	1.2	10
95	Modeling of Salt Sorption in Volcanic Ash Soil. Communications in Soil Science and Plant Analysis, 2017, 48, 2594-2600.	0.6	1
96	Impact of ENSO regimes on developing- and decaying-phase precipitation during rainy season in China. Hydrology and Earth System Sciences, 2017, 21, 5415-5426.	1.9	36
97	The effects of ocean SST dipole on Mongolian summer rainfall. Geofizika, 2017, 34, 199-218.	0.1	3
98	Role of Hydrological Studies for the Development of the TDPS System. Water (Switzerland), 2016, 8, 144.	1.2	13
99	Summer precipitation prediction in the source region of the Yellow River using climate indices. Hydrology Research, 2016, 47, 847-856.	1.1	34
100	The Mass Balance of Glacier No. 1 at the Headwaters of the Urumqi River in Relation to Northern Hemisphere Teleconnection Patterns. Water (Switzerland), 2016, 8, 100.	1.2	7
101	Water Related Health Problems in Central Asiaâ€"A Review. Water (Switzerland), 2016, 8, 219.	1.2	58
102	Re-Thinking Urban Flood Managementâ€"Time for a Regime Shift. Water (Switzerland), 2016, 8, 332.	1.2	84
103	Access to Drinking Water and Sanitation in Rural Kazakhstan. International Journal of Environmental Research and Public Health, 2016, 13, 1115.	1.2	22
104	Groundwater geochemistry of a nitrate-contaminated agricultural site. Environmental Earth Sciences, 2016, 75, 1.	1.3	19
105	Spatial trends of nitrate pollution and groundwater chemistry in Shimabara, Nagasaki, Japan. Environmental Earth Sciences, 2016, 75, 1.	1.3	53
106	Regional sea-surface temperatures explain spatial and temporal variation of summer precipitation in the source region of the Yellow River. Hydrological Sciences Journal, 2016, 61, 1383-1394.	1.2	23
107	The Nile and the Grand Ethiopian Renaissance Dam: Is There a Meeting Point between Nationalism and Hydrosolidarity?. Journal of Contemporary Water Research and Education, 2015, 155, 73-82.	0.7	31
108	Investigating Willingness to Pay to Improve Water Supply Services: Application of Contingent Valuation Method. Water (Switzerland), 2015, 7, 3024-3039.	1.2	55

#	Article	IF	Citations
109	Modeling Solute Transport by DLA in Soils of Northeastern Egypt. PLoS ONE, 2015, 10, e0119943.	1.1	1
110	Challenges of Traditional Rainwater Harvesting Systems in Tunisia. Middle East Critique, 2015, 24, 289-306.	0.2	7
111	Artificial recharge by floodwater spreading estimated by water balances and groundwater modelling in arid Iran. Hydrological Sciences Journal, 2015, 60, 336-350.	1.2	48
112	Development of a Modified SMA Based MSCS-CN Model for Runoff Estimation. Water Resources Management, 2015, 29, 4111-4127.	1.9	52
113	Hydro Climatic Trend and Periodicity for the Source Region of the Yellow River. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	38
114	Catchment Classification Framework in Hydrology: Challenges and Directions. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	58
115	Diurnal Fluctuation of Groundwater Levels Caused by the Invasive Alien Mesquite Plant. Arid Land Research and Management, 2014, 28, 242-246.	0.6	6
116	Phase-space reconstruction and self-exciting threshold modeling approach to forecast lake water levels. Stochastic Environmental Research and Risk Assessment, 2014, 28, 955-971.	1.9	27
117	Adaptation of surface water supply to climate change in central Iran. Journal of Water and Climate Change, 2014, 5, 391-407.	1.2	28
118	SPATE IRRIGATION OF BARLEY THROUGH FLOODWATER HARVESTING IN THE GAREH-BYGONE PLAIN, IRAN. Irrigation and Drainage, 2014, 63, 599-611.	0.8	16
119	Numerical evaluation of subsurface trickle irrigation with brackish water. Irrigation Science, 2013, 31, 1125-1137.	1.3	17
120	SIMULATION OF SOIL WATER AND SALINITY DISTRIBUTION UNDER SURFACE DRIP IRRIGATION. Irrigation and Drainage, 2013, 62, 352-362.	0.8	28
121	Assessment of soil salinization risks under irrigation with brackish water in semiarid Tunisia. Environmental and Experimental Botany, 2013, 92, 176-185.	2.0	73
122	Soil Water and Salinity Distribution under Different Treatments of Drip Irrigation. Soil Science Society of America Journal, 2013, 77, 1144-1156.	1.2	45
123	Natural vs. artificial groundwater recharge, quantification through inverse modeling. Hydrology and Earth System Sciences, 2013, 17, 637-650.	1.9	50
124	Hydrological Response to Climate Change for Gilgel Abay River, in the Lake Tana Basin - Upper Blue Nile Basin of Ethiopia. PLoS ONE, 2013, 8, e79296.	1.1	134
125	Historical aspects of soil erosion in the Mejerda catchment, Tunisia. Hydrological Sciences Journal, 2012, 57, 901-912.	1.2	13
126	Influence of geometric design of alternate partial root-zone subsurface drip irrigation (APRSDI) with brackish water on soil moisture and salinity distribution. Agricultural Water Management, 2012, 103, 182-190.	2.4	32

#	Article	IF	Citations
127	Canopy storage capacity of xerophytic shrubs in Northwestern China. Journal of Hydrology, 2012, 454-455, 152-159.	2.3	58
128	On the importance of hysteresis and heterogeneity in the numerical simulation of unsaturated flow. Hydrological Research Letters, 2012, 6, 59-64.	0.3	5
129	Syrian Water Resources between the present and the Future. Air, Soil and Water Research, 2011, 4, ASWR.S8076.	1.2	8
130	Desert shrub stemflow and its significance in soil moisture replenishment. Hydrology and Earth System Sciences, 2011, 15, 561-567.	1.9	66
131	Potential fresh water saving using greywater in toilet flushing in Syria. Journal of Environmental Management, 2011, 92, 2447-2453.	3.8	81
132	Modeling Solute Transport in Volcanic Ash Soils with Cation Exchange and Anion Retardation. Environmental Modeling and Assessment, 2011, 16, 335-342.	1.2	2
133	SUMMARY AND FUTURE. , 2010, , 463-477.		2
134	Development of a Regional Non-dimensional Return Period Flood Model. Water Resources Management, 2010, 24, 1425-1439.	1.9	4
135	Multi-criteria Decision Analysis (MCDA) for Integrated Water Resources Management (IWRM) in the Lake Poopo Basin, Bolivia. Water Resources Management, 2010, 24, 2267-2289.	1.9	95
136	Spatial soil loss risk and reservoir siltation in semi-arid Tunisia. Hydrological Sciences Journal, 2010, 55, 121-137.	1.2	37
137	NONLINEAR DYNAMICS AND CHAOS IN HYDROLOGY. , 2010, , 411-461.		8
138	Modeling and prediction of complex environmental systems. Stochastic Environmental Research and Risk Assessment, 2009, 23, 861-862.	1.9	7
139	Characterization of insolubilized humic acid and its sorption behaviors. Environmental Geology, 2009, 57, 1847-1853.	1.2	18
140	Effects of land-use change on groundwater recharge model parameters. Hydrological Sciences Journal, 2009, 54, 300-315.	1.2	40
141	Soil heterogeneity effects on acid flushing of lead-contaminated soil. Environmental Modeling and Assessment, 2008, 13, 121-134.	1.2	4
142	Comparison of soil salinity and solute transport for different cultivated soil types in northeastern Egypt / Comparaison de la salinité du sol et du transport de solutés pour différents types de sols cultivés du nord-est de l'Egypte. Hydrological Sciences Journal, 2008, 53, 466-478.	1.2	3
143	Soil water content and salinity determination using different dielectric methods in saline gypsiferous soil / Détermination de la teneur en eau et de la salinité de sols salins gypseux à l'aide de différentes méthodes diélectriques. Hydrological Sciences Journal, 2008, 53, 253-265.	1.2	39
144	Interpolating monthly precipitation by self-organizing map (SOM) and multilayer perceptron (MLP). Hydrological Sciences Journal, 2007, 52, 305-317.	1.2	44

#	Article	IF	Citations
145	Closure to "Hybrid Model for Derivation of Synthetic Unit Hydrograph" by P. K. Bhunya, N. C. Ghosh, S. K. Mishra, C. S. P. Ojha, and R. Berndtsson. Journal of Hydrologic Engineering - ASCE, 2007, 12, 546-547.	0.8	0
146	Identification of typical synoptic patterns causing heavy rainfall in the rainy season in Japan by a Self-Organizing Map. Atmospheric Research, 2007, 83, 185-200.	1.8	74
147	Regionalizing fine time-scale rainfall affected by topography in semi-arid Tunisia /Régionalisation de la pluie à pas de temps fins affectée par la topographie en Tunisie semi-aride. Hydrological Sciences Journal, 2007, 52, 1199-1215.	1.2	17
148	Effect of land alignment and spatial soil salinity distribution on clover and sugar beet yield. Archives of Agronomy and Soil Science, 2007, 53, 391-403.	1.3	1
149	Suitability of Gamma, Chi-square, Weibull, and Beta distributions as synthetic unit hydrographs. Journal of Hydrology, 2007, 334, 28-38.	2.3	65
150	Effects of surface characteristics on infiltration patterns in an arid shrub desert. Hydrological Processes, 2007, 21, 72-79.	1.1	98
151	Monthly runoff simulation: Comparing and combining conceptual and neural network models. Journal of Hydrology, 2006, 321, 344-363.	2.3	75
152	Hydrogeochemical properties of a salinity-affected coastal aquifer in western Japan. Hydrological Processes, 2006, 20, 1425-1435.	1.1	23
153	Closure to "Parameter Estimation of Beta Distribution for Unit Hydrograph Derivation" by P. K. Bhunya, S. K. Mishra, C. S. P. Ojha, and Ronny Berndtsson. Journal of Hydrologic Engineering - ASCE, 2006, 11, 196-198.	0.8	0
154	Sorption kinetics of naphthalene and phenanthrene in loess soils. Environmental Geology, 2005, 47, 467-474.	1.2	14
155	Saltwater intrusion in coastal aquifer ??? comparison between the CIP and MOC simulation technique. Environmental Modeling and Assessment, 2005, 10, 323-329.	1.2	10
156	Closure to "Simplified Two-Parameter Gamma Distribution for Derivation of Synthetic Unit Hydrograph" by P. K. Bhunya, S. K. Mishra, and Ronny Berndtsson. Journal of Hydrologic Engineering - ASCE, 2005, 10, 521-522.	0.8	4
157	Hybrid Model for Derivation of Synthetic Unit Hydrograph. Journal of Hydrologic Engineering - ASCE, 2005, 10, 458-467.	0.8	24
158	Educating the compassionate water engineer—a remedy to avoid future water management failures? / Former des spécialistes de l'eau citoyens—une solution pour éviter de futurs échecs en gestion de l'eau?. Hydrological Sciences Journal, 2005, 50, .	1.2	4
159	Measurement of rainfall interception by xerophytic shrubs in re-vegetated sand dunes / Mesure de l'interception de la pluie par des arbustes xérophiles sur des dunes de sable replantées. Hydrological Sciences Journal, 2005, 50, .	1.2	38
160	Quantitative relationship between SOI and observed precipitation in southern Korea and Japan by nonparametric approaches. Journal of Hydrology, 2005, 301, 54-65.	2.3	36
161	Water balance change for a re-vegetated xerophyte shrub area/Changement du bilan hydrique d'une zone replantée d'arbustes xérophiles. Hydrological Sciences Journal, 2004, 49, .	1.2	37
162	Parameter Estimation of Beta Distribution for Unit Hydrograph Derivation. Journal of Hydrologic Engineering - ASCE, 2004, 9, 325-332.	0.8	35

#	Article	IF	Citations
163	Hydrological processes in macrocatchment water harvesting in the arid region of Tunisia: the traditional system of tabias/Processus hydrologiques au sein d'un aménagement de collecte des eaux dans la région aride tunisienne: le système traditionnel des tabias. Hydrological Sciences Journal, 2004, 49, .	1.2	26
164	Surface and subsurface water balance estimation by the groundwater recharge model and a 3-D two-phase flow model/Estimation de bilan hydrologique de surface et de subsurface à l'aide de modèles de recharge de nappe et d'écoulement diphasique 3-D. Hydrological Sciences Journal, 2004, 49, .	1.2	28
165	Use of a geomorphological transfer function to model design floods in small hillside catchments in semiarid Tunisia. Journal of Hydrology, 2004, 287, 197-213.	2.3	35
166	Characterizing unsaturated solute transport by simultaneous use of dye and bromide. Journal of Hydrology, 2004, 289, 23-35.	2.3	54
167	Estimation of LNAPL saturation in fine sand using time-domain reflectometry / Estimation de la saturation en LPNAL dans du sable fin grâce à la réflectométrie en domaine temporel. Hydrological Sciences Journal, 2004, 49, .	1.2	16
168	Simplified Two-Parameter Gamma Distribution for Derivation of Synthetic Unit Hydrograph. Journal of Hydrologic Engineering - ASCE, 2003, 8, 226-230.	0.8	59
169	Soil Solution Electrical Conductivity Measurements Using Different Dielectric Techniques. Soil Science Society of America Journal, 2003, 67, 1071-1078.	1.2	34
170	Relating Air Temperatures to the Depletion of Snow Covered Area in a Himalayan Basin. Hydrology Research, 2003, 34, 267-280.	1.1	15
171	Reply to "Which chaos in the rainfall-runoff process?" Hydrological Sciences Journal, 2002, 47, 149-158.	1.2	40
172	Is correlation dimension a reliable indicator of low-dimensional chaos in short hydrological time series?. Water Resources Research, 2002, 38, 3-1-3-8.	1.7	50
173	Measuring nonaqueous phase liquid saturation in soil using time domain reflectometry. Water Resources Research, 2002, 38, 22-1-22-8.	1.7	34
174	Multiscaling analysis and random cascade modeling of dye infiltration. Water Resources Research, 2002, 38, 45-1-45-11.	1.7	24
175	Field-scale variation of preferential flow as indicated from dye coverage. Journal of Hydrology, 2002, 257, 164-173.	2.3	65
176	Comparison between rainfall simulator erosion and observed reservoir sedimentation in an erosion-sensitive semiarid catchment. Catena, 2002, 50, 1-16.	2.2	56
177	Predicting the Dielectric Constant–Water Content Relationship Using Artificial Neural Networks. Soil Science Society of America Journal, 2002, 66, 1424-1429.	1.2	37
178	North Atlantic Oscillation; a Climatic Indicator to Predict Hydropower Availability in Scandinavia. Hydrology Research, 2002, 33, 415-424.	1.1	14
179	Transect Scale Solute Transport Measured by Time Domain Reflectometry. Hydrology Research, 2002, 33, 145-164.	1.1	5
180	Characterizing preferential transport during flood irrigation of a heavy clay soil using the dye Vitasyn Blau. Geoderma, 2001, 100, 49-66.	2.3	38

#	ARTICLE	IF	CITATIONS
181	Modeling plot scale dye penetration by a diffusion limited aggregation (DLA) model. Journal of Hydrology, 2001, 250, 98-105.	2.3	28
182	Using neural networks for calibration of time-domain reflectometry measurements. Hydrological Sciences Journal, 2001, 46, 389-398.	1.2	24
183	Evidence of chaos in the rainfall-runoff process. Hydrological Sciences Journal, 2001, 46, 131-145.	1.2	80
184	Nonlinear and scaling spatial properties of soil geochemical element contents. Water Resources Research, 2001, 37, 1031-1042.	1.7	7
185	Monthly runoff prediction using phase space reconstruction. Hydrological Sciences Journal, 2001, 46, 377-387.	1.2	62
186	Solar-Climatic Relationship and Implications for Hydrology. Hydrology Research, 2001, 32, 65-84.	1.1	5
187	Forecasting discharge in Amazonia using artificial neural networks. International Journal of Climatology, 2000, 20, 1495-1507.	1.5	39
188	Dynamics of monthly rainfall-runoff process at the Gota basin: A search for chaos. Hydrology and Earth System Sciences, 2000, 4, 407-417.	1.9	35
189	Solute transport and water content measurements in clay soils using time domain reflectometry. Hydrological Sciences Journal, 2000, 45, 833-847.	1.2	22
190	Estimating transport parameters in an undisturbed soil column using time domain reflectometry and transfer function theory. Journal of Hydrology, 1998, 205, 232-247.	2.3	25
191	Texture and Electrical Conductivity Effects on Temperature Dependency in Time Domain Reflectometry. Soil Science Society of America Journal, 1998, 62, 887-893.	1.2	59
192	Noninvasive Water Content and Electrical Conductivity Laboratory Measurements using Time Domain Reflectometry. Soil Science Society of America Journal, 1998, 62, 1471-1476.	1.2	12
193	LATERAL BROMIDE DISTRIBUTION IN A VERTIC CLAY SOIL. Soil Science, 1998, 163, 544-555.	0.9	4
194	Reactive Solute Transport with a Variable Selectivity Coefficient in an Undisturbed Soil Column. Soil Science Society of America Journal, 1997, 61, 1539-1546.	1.2	22
195	Real-time tracking of convective rainfall properties using a two-dimensional advection-diffusion model. Journal of Hydrology, 1997, 203, 109-118.	2.3	12
196	Multifractal Properties of Daily Rainfall in Two Different Climates. Water Resources Research, 1996, 32, 2463-2472.	1.7	102
197	Parameterization of rain cell properties using an advection-diffusion model and rain gage data. Atmospheric Research, 1996, 42, 67-73.	1.8	9
198	Soil water and temperature patterns in an arid desert dune sand. Journal of Hydrology, 1996, 185, 221-240.	2.3	93

#	Article	IF	Citations
199	Regionalization and spatial properties of Ceará State rainfall in northeast Brazil. Journal of Geophysical Research, 1996, 101, 4221-4233.	3.3	29
200	CHARACTERIZATION OF EXTREME RAINFALL IN AN EAST ASIAN MONSOON-CLIMATE CATCHMENT IN THE UPPER REACHES OF THE HUAI RIVER, CHINA. International Journal of Climatology, 1996, 16, 321-337.	1.5	15
201	Soil water, soil chemical and crop variations in a clay soil. Hydrological Sciences Journal, 1996, 41, 171-178.	1.2	0
202	NITROGEN SOURCE IMPACT ON THE SPATIAL VARIABILITY OF ORGANIC CARBON AND NITROGEN IN SOIL. Soil Science, 1996, 161, 288-297.	0.9	7
203	FIELD VARIABILITY OF ELEMENT CONCENTRATIONS IN WHEAT AND SOIL. Soil Science, 1995, 159, 311-320.	0.9	12
204	Prediction of unspots using reconstructed chaotic system equations. Journal of Geophysical Research, 1995, 100, 14773.	3.3	29
205	Plot-Scale Solute Transport in a Semiarid Agricultural Soil. Soil Science Society of America Journal, 1994, 58, 1052-1060.	1.2	29
206	Variability of soil water content along a transect in a desert area. Journal of Arid Environments, 1994, 27, 127-139.	1.2	31
207	Some Eulerian and Lagrangian statistical properties of rainfall at small space-time scales. Journal of Hydrology, 1994, 153, 339-355.	2.3	12
208	Spatial Dependence of Geochemical Elements in a Semiarid Agricultural Field: I. Scale Properties. Soil Science Society of America Journal, 1993, 57, 1316-1322.	1.2	11
209	Spatial Dependence of Geochemical Elements in a Semiarid Agricultural Field: II. Geostatistical Properties. Soil Science Society of America Journal, 1993, 57, 1323-1329.	1.2	15
210	Real-time rainfall prediction at small space-time scales using a two-dimensional stochastic advection-diffusion model. Water Resources Research, 1993, 29, 1489-1504.	1.7	23
211	Fractal analysis of high‐resolution rainfall time series. Journal of Geophysical Research, 1993, 98, 23265-23274.	3.3	145
212	Application of the Extended Kalman Filter for Reconstructing Systems from Chaotic Numerical Time Series. Proceedings of Hydraulic Engineering, 1993, 37, 853-856.	0.0	3
213	Small-Scale Spatial Patterns of Bulk Atmospheric Deposition. Journal of Environmental Quality, 1993, 22, 349-360.	1.0	7
214	An analysis of the rainfall time structure by box counting—some practical implications. Journal of Hydrology, 1992, 137, 261-277.	2.3	42
215	Analysis of soil water dynamics in time and space by use of pattern recognition. Water Resources Research, 1991, 27, 1623-1636.	1.7	19
216	On the Temporal and Spatial Characteristics of Short-Term Urban-Scale Rainfall and Its Real-Time Prediction.. Proceedings of Hydraulic Engineering, 1991, 35, 63-68.	0.0	2

#	Article	IF	Citations
217	Transport and sedimentation of pollutants in a river reach: A chemical mass balance approach. Water Resources Research, 1990, 26, 1549-1558.	1.7	5
218	Topographical and coastal influence on spatial precipitation patterns in Tunisia. International Journal of Climatology, 1989, 9, 357-369.	1.5	14
219	Temporal patterns and spatial scale of soil water variability in a small humid catchment. Journal of Hydrology, 1988, 104, 111-128.	2.3	25
220	Spatial and temporal scales in rainfall analysis â€" Some aspects and future perspectives. Journal of Hydrology, 1988, 100, 293-313.	2.3	73
221	Temporal variability in spatial correlation of daily rainfall. Water Resources Research, 1988, 24, 1511-1517.	1.7	26
222	Application of infiltration equations to a catchment with large spatial variability in infiltration. Hydrological Sciences Journal, 1987, 32, 399-413.	1.2	16
223	Spatial variability of infiltration in a semi-arid environment. Journal of Hydrology, 1987, 90, 117-133.	2.3	56
224	On the use of cross-correlation analysis in studies of patterns of rainfall variability. Journal of Hydrology, 1987, 93, 113-134.	2.3	21
225	Spatial and temporal characteristics of high-intensive rainfall in northern Tunisia. Journal of Hydrology, 1986, 87, 285-298.	2.3	19
226	A simple and efficient conceptual catchment model allowing for spatial variation in rainfall. Hydrological Sciences Journal, 1986, 31, 475-487.	1.2	0
227	Prefaceâ€"Hydrology and Peace in the Middle East. Hydrological Sciences Journal, 0, , 1-1.	1.2	1
228	Traditional irrigation techniques in MENA with focus on Tunisia. Hydrological Sciences Journal, 0, , .	1.2	6
229	Shortcomings in Current Practices for Decision-Making Process and Contaminated Sites Remediation. , 0, , .		3