Samuel Beskow

List of Publications by Year
in descending order

71	1,323	394286	395590
papers	citations	19 h-index	33 g-index

71	71	71	1239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil erosion prediction in the Grande River Basin, Brazil using distributed modeling. Catena, 2009, 79, 49-59.	2.2	223
2	Multivariate models for annual rainfall erosivity in Brazil. Geoderma, 2013, 202-203, 88-102.	2.3	95
3	Impacts of Land-use Changes on the Hydrology of the Grande River Basin Headwaters, Southeastern Brazil. Water Resources Management, 2014, 28, 4537-4550.	1.9	55
4	Multiparameter probability distributions for heavy rainfall modeling in extreme southern Brazil. Journal of Hydrology: Regional Studies, 2015, 4, 123-133.	1.0	55
5	Modeling the effects of climate change on hydrology and sediment load in a headwater basin in the Brazilian Cerrado biome. Ecological Engineering, 2019, 133, 20-31.	1.6	49
6	Rainfall erosivity in South America: Current patterns and future perspectives. Science of the Total Environment, 2020, 724, 138315.	3.9	48
7	SimulaÃ§Ã£o hidrolÃ³gica em uma bacia hidrogrÃ¡fica representativa dos Latossolos na regiÃ£o Alto Rio Grande, MG. Revista Brasileira De Engenharia Agricola E Ambiental, 2013, 17, 69-76.	0.4	46
8	Performance of a distributed semi-conceptual hydrological model under tropical watershed conditions. Catena, 2011, 86, 160-171.	2.2	43
9	Multi-scale correlations between soil hydraulic properties and associated factors along a Brazilian watershed transect. Geoderma, 2017, 286, 15-24.	2.3	43
10	Hydrological Prediction in a Tropical Watershed Dominated by Oxisols Using a Distributed Hydrological Model. Water Resources Management, 2013, 27, 341-363.	1.9	42
11	Agricultural watershed modeling: a review for hydrology and soil erosion processes. Ciencia E Agrotecnologia, 2016, 40, 7-25.	1.5	38
12	Potential of the LASH model for water resources management in data-scarce basins: a case study of the Fragata River basin, southern Brazil. Hydrological Sciences Journal, 2016, 61, 2567-2578.	1.2	38
13	Rainfall partitioning measurement and rainfall interception modelling in a tropical semi-deciduous Atlantic forest remnant. Agricultural and Forest Meteorology, 2019, 275, 170-183.	1.9	33
14	Applicability of the LASH Model for Hydrological Simulation of the Grande River Basin, Brazil. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1639-1652.	0.8	29
15	Modelagem probabilÃstica de eventos de precipitaÃ§Ã£o extrema no estado do Rio Grande do Sul. Revista Brasileira De Engenharia Agricola E Ambiental, 2015, 19, 197-203.	0.4	29
16	Spatial distribution of water erosion risk in a watershed with eucalyptus and Atlantic Forest. Ciencia E Agrotecnologia, 2013, 37, 427-434.	1.5	25
17	At-Site Flood Frequency Analysis Coupled with Multiparameter Probability Distributions. Water Resources Management, 2018, 32, 285-300.	1.9	23
18	Artificial intelligence techniques coupled with seasonality measures for hydrological regionalization of Q90 under Brazilian conditions. Journal of Hydrology, 2016, 541, 1406-1419.	2.3	22

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19	Application of the Soil and Water Assessment Tool (SWAT) for Sediment Transport Simulation at a Headwater Watershed in Minas Gerais State, Brazil. Transactions of the ASABE, 2013, 56, 697-709.	1.1	21
20	Development, sensitivity and uncertainty analysis of LASH model. Scientia Agricola, 2011, 68, 265-274.	0.6	20
21	Interpolation methods for improving the RUSLE R-factor mapping in Brazil. Journal of Soils and Water Conservation, 2015, 70, 182-197.	0.8	19
22	Artificial intelligence for identifying hydrologically homogeneous regions: A stateâ€ofâ€theâ€art regional flood frequency analysis. Hydrological Processes, 2019, 33, 1101-1116.	1.1	18
23	LASH hydrological model: An analysis focused on spatial discretization. Catena, 2019, 173, 183-193.	2.2	18
24	Dominant Control of Macroporosity on Saturated Soil Hydraulic Conductivity at Multiple Scales and Locations Revealed by Wavelet Analyses. Journal of Soil Science and Plant Nutrition, 2020, 20, 1686-1702.	1.7	18
25	Identifying regionalized co-variate driving factors to assess spatial distributions of saturated soil hydraulic conductivity using multivariate and state-space analyses. Catena, 2020, 191, 104583.	2.2	16
26	Estimativa do escoamento superficial em uma bacia hidrogrÃ¡fica com base em modelagem dinÃ¢mica e distribuÃda. Revista Brasileira De Ciencia Do Solo, 2009, 33, 169-178.	0.5	14
27	Influence of the wind on water application uniformity of a mechanical lateral move irrigation equipment using rotating plate sprinklers. Ciencia Rural, 2016, 46, 83-88.	0.3	13
28	Regional flood frequency analysis using Lâ€moments for geographically defined regions: An assessment in Brazil. Journal of Flood Risk Management, 2019, 12, .	1.6	13
29	Climate Change Impacts on Water Resources of the Largest Hydropower Plant Reservoir in Southeast Brazil. Water (Switzerland), 2021, 13, 1560.	1.2	13
30	Modelagem das perdas de Ã¡gua por evaporaÃ§Ã£o e arraste em aspersores de mÃ©dia pressÃ£o. Revista Brasileira De Engenharia Agricola E Ambiental, 2011, 15, 221-228.	0.4	11
31	Assessment of soil loss vulnerability in data-scarce watersheds in southern Brazil. Ciencia E Agrotecnologia, 2018, 42, 575-587.	1.5	11
32	Spatial distribution of top soil water content in an experimental catchment of Southeast Brazil. Scientia Agricola, 2011, 68, 285-294.	0.6	10
33	Hydrological regionalization of maximum stream flows using an approach based on L-moments. Revista Brasileira De Recursos Hidricos, 2017, 22, .	0.5	10
34	Daily rainfall erosivity as an indicator for natural disasters: assessment in mountainous regions of southeastern Brazil. Natural Hazards, 2020, 103, 947-966.	1.6	10
35	Irrigation distribution uniformity analysis on a lateral-move irrigation system. Irrigation Science, 2019, 37, 195-206.	1.3	9
36	Aplicabilidade do lisem (limburg soil erosion) para simulaÃ§Ã£o hidrolÃ³gica em uma bacia hidrogrÃ¡fica tropical. Revista Brasileira De Ciencia Do Solo, 2008, 32, 2483-2492.	0.5	9

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37	Modelagem dos efeitos do vento na uniformidade da irrigaÃ§Ã£o por aspersÃ£o: aspersores de tamanho mÃ©dio. Revista Brasileira De Engenharia Agricola E Ambiental, 2012, 16, 133-141.	0.4	8
38	Sediment yield in Paraopeba River Basin â€“ MG, Brazil. International Journal of River Basin Management, 2016, 14, 367-377.	1.5	8
39	Identifying Covariates to Assess the Spatial Variability of Saturated Soil Hydraulic Conductivity Using Robust Cokriging at the Watershed Scale. Journal of Soil Science and Plant Nutrition, 2020, 20, 1491-1502.	1.7	8
40	Ãndices de sazonalidade para regionalizaÃ§Ã£o hidrolÃ³gica de vazÃµes de estiagem no Rio Grande do Sul. Revista Brasileira De Engenharia Agricola E Ambiental, 2014, 18, 748-754.	0.4	7
41	Evaluation of Flood Timing and Regularity over Hydrological Regionalization in Southern Brazil. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	7
42	Water balance of an Atlantic forest remnant under a prolonged drought period. Ciencia E Agrotecnologia, 0, 45, .	1.5	7
43	Modelagem HidrolÃ³gica em uma Sub-bacia HidrogrÃ¡fica do Baixo Rio Araguaia, TO. Journal of Biotechnology and Biodiversity, 2012, 3, 38-47.	0.1	7
44	SYHDA â€“ System of Hydrological Data Acquisition and Analysis. Revista Brasileira De Recursos Hidricos, 0, 24, .	0.5	6
45	SimulaÃ§Ã£o das perdas de Ã¡gua por evaporaÃ§Ã£o e arraste, no aspersor NY-7 (4,6 mm x 4,0 mm), em sistemas de aspersÃ£o convencional. Engenharia Agricola, 2008, 28, 427-437.	0.2	6
46	VazÃµes mÃ¡ximas e mÃnimas para bacias hidrogrÃ¡ficas da regiÃ£o alto Rio Grande, MG. Ciencia E Agrotecnologia, 2010, 34, 494-502.	1.5	6
47	Geomorphology-based unit hydrograph models for flood risk management: case study in Brazilian watersheds with contrasting physiographic characteristics. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1873-1890.	0.3	5
48	Spatial discretization influence on flood modeling using unit hydrograph theory. Revista Brasileira De Recursos Hidricos, 2019, 24, .	0.5	5
49	Assessment of Spatial and Temporal Soil Water Storage Using a Distributed Hydrological Model. Water Resources Management, 2020, 34, 5031-5046.	1.9	5
50	Modelagem das perdas de Ã¡gua por evaporaÃ§Ã£o e arraste de sprays de placa oscilante. Revista Brasileira De Engenharia Agricola E Ambiental, 2015, 19, 719-726.	0.4	4
51	Wind Speed and Direction on Water Application Uniformity of a Mechanical Lateral-Move Irrigation System. Applied Engineering in Agriculture, 2017, 33, 543-549.	0.3	4
52	Evaluation of geomorphological approaches combined with digital elevation models for the Nash's instantaneous unit hydrograph. Journal of South American Earth Sciences, 2021, 107, 103153.	0.6	4
53	Capability of LISEM to estimate flood hydrographs in a watershed with predominance of long-duration rainfall events. Natural Hazards, 2021, 109, 593-614.	1.6	4
54	Examining the implications of spatial variability of saturated soil hydraulic conductivity on direct surface runoff hydrographs. Catena, 2021, 207, 105693.	2.2	4

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55	Modelagem espacial da erosÃ£o hÃdrica do solo associada Ã sazonalidade agroclimÃ¡tica na regiÃ£o sul do Rio Grande do Sul, Brasil. Engenharia Sanitaria E Ambiental, 2020, 25, 933-946.	0.1	4
56	Influence of different relief information sources on the geomorphological characterization of small watersheds. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20191317.	0.3	3
57	MODELAGEM HIDROLÃ“GICA DETERMINÃSTICA CHUVA-VAZÃƒO EM BACIAS HIDROGRÃFICAS: UMA ABORDAGEM INTRODUTÃ“RIA. Revista Brasileira De Engenharia E Sustentabilidade, 2018, 5, 22.	0.1	3
58	SIA: Modelo para simulaÃ§Ã£o da irrigaÃ§Ã£o por aspersÃ£o - CalibraÃ§Ã£o e validaÃ§Ã£o. Revista Brasileira De Engenharia Agricola E Ambiental, 2013, 17, 253-260.	0.4	3
59	SimulaÃ§Ã£o da distribuiÃ§Ã£o de Ã¡gua em diferentes condiÃ§Ãµes de vento e espaÃ§amentos entre aspersores. Revista Brasileira De Engenharia Agricola E Ambiental, 2013, 17, 918-925.	0.4	3
60	Estresse hidrolÃ³gico: aplicaÃ§Ã£o Ãs bacias dos rios Paraopeba e SapucaÃ; Minas Gerais. Revista Brasileira De Recursos Hidricos, 2015, 20, 352-359.	0.5	3
61	DAILY RAINFALL DISAGGREGATION: AN ANALYSIS FOR THE RIO GRANDE DO SUL STATE - DESAGREGAÃ‡ÃƒO DE CHUVA DIÃRIA: UMA ANÃLISE PARA O ESTADO DO RIO GRANDE DO SUL. Scientia Agraria, 2016, 16, .	0.5	3
62	DistorÃ§Ã£o do vento na Ã¡rea molhada por canhÃµes hidrÃ¡ulicos: extensÃ£o da modelagem para aspersores mÃ©dios. Revista Brasileira De Engenharia Agricola E Ambiental, 2012, 16, 699-705.	0.4	2
63	PERDAS DE ÃGUA POR EVAPORAÃ‡ÃƒO E ARRASTE NA IRRIGAÃ‡ÃƒO POR ASPERSÃƒO NAS CONDIÃ‡Ã•ES CLIMÃTICAS DE LAVRAS-MG, UTILIZANDO ASPERSORES DE TAMANHO MÃ‰DIO. Irriga, 2008, 13, 113-127.	0.2	2
64	ESTIMATIVA DAS PERDAS DE SOLO E DEPOSIÃ‡ÃƒO DE SEDIMENTOS EM UMA SUB-BACIA HIDROGRÃFICA SOB PROCESSO DE DEGRADAÃ‡ÃƒO AMBIENTAL. Revista De CiÃªncias Ambientais, 2015, 9, .	0.0	1
65	Minimum streamflow regionalization in a Brazilian watershed under different clustering approaches. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20210538.	0.3	1
66	Soil loss estimated by means of the RUSLE model in a subtropical climate watershed. Revista Brasileira De Ciencia Do Solo, 2021, 45, .	0.5	1
67	Application of the Soil and Water Assessment Tool (SWAT) for sediment transport simulation at a headwater watershed in Minas Gerais State, Brazil. , 2011, , .		0
68	Spatial uncertainty analysis of the saturated soil hydraulic conductivity in a subtropical watershed. Environmental Earth Sciences, 2021, 80, 1.	1.3	0
69	TRENDS IN THE HYDROMETEOROLOGICAL REGIME ON AN ISLAND IN THE SOUTH ATLANTIC OCEAN (TENDÊNCIAS NO REGIME HIDROMETEOROLÃ“GICO EM UMA ILHA OCEÂNICA NO OCEANO ATLÂNTICO SUL). Revista Brasileira De Climatologia, 0, 18, .	0.3	0
70	Spatial distribution of climatic variables in Tocantins State, Brazil. CientÃfica, 2019, 47, 269.	0.1	0
71	Applicability of geomorphological approaches combined with the modified Clarkâ€™s model for flood hydrograph estimation. Catena, 2022, 213, 106200.	2.2	0