

# Celso Augusto Guimarães Santos

## List of Publications by Year in descending order

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128  
papers

2,641  
citations

185998

28  
h-index

264894

42  
g-index

134  
all docs

134  
docs citations

134  
times ranked

2042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall and river flow trends using Mann-Kendall and Sen's slope estimator statistical tests in the Cobres River basin. <i>Natural Hazards</i> , 2015, 77, 1205-1221.	1.6	230
2	Spatiotemporal impact of land use/land cover changes on urban heat islands: A case study of Paço do Lumiar, Brazil. <i>Building and Environment</i> , 2018, 136, 279-292.	3.0	100
3	Daily streamflow forecasting using a wavelet transform and artificial neural network hybrid models. <i>Hydrological Sciences Journal</i> , 2014, 59, 312-324.	1.2	94
4	Future scenarios based on a CA-Markov land use and land cover simulation model for a tropical humid basin in the Cerrado/Atlantic forest ecotone of Brazil. <i>Land Use Policy</i> , 2021, 101, 105141.	2.5	83
5	Analysis of the use of discrete wavelet transforms coupled with ANN for short-term streamflow forecasting. <i>Applied Soft Computing Journal</i> , 2019, 80, 494-505.	4.1	81
6	Daily streamflow forecasting in Sobradinho Reservoir using machine learning models coupled with wavelet transform and bootstrapping. <i>Applied Soft Computing Journal</i> , 2021, 102, 107081.	4.1	63
7	Short term rainfall-runoff modelling using several machine learning methods and a conceptual event-based model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 597-616.	1.9	58
8	Drought assessment using a TRMM-derived standardized precipitation index for the upper São Francisco River basin, Brazil. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 250.	1.3	53
9	Modeling land cover change based on an artificial neural network for a semiarid river basin in northeastern Brazil. <i>Global Ecology and Conservation</i> , 2020, 21, e00811.	1.0	52
10	Cluster Analysis Applied to Spatiotemporal Variability of Monthly Precipitation over Paraíba State Using Tropical Rainfall Measuring Mission (TRMM) Data. <i>Remote Sensing</i> , 2019, 11, 637.	1.8	51
11	Trend analysis of monthly streamflows using Åžen's innovative trend method. <i>Geofizika</i> , 2018, 35, 53-68.	0.1	46
12	Innovative approach for geospatial drought severity classification: a case study of Paraíba state, Brazil. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 545-562.	1.9	44
13	Evaluation of the TRMM product for monitoring drought over Paraíba State, northeastern Brazil: a trend analysis. <i>Scientific Reports</i> , 2021, 11, 1097.	1.6	44
14	Integration of GIS and remote sensing for estimation of soil loss and prioritization of critical sub-catchments: a case study of Tapacur catchment. <i>Natural Hazards</i> , 2012, 62, 953-970.	1.6	43
15	Comparison of different methodologies for rainfall-runoff modeling: machine learning vs conceptual approach. <i>Natural Hazards</i> , 2021, 105, 2987-3011.	1.6	42
16	Geospatial drought severity analysis based on PERSIANN-CDR-estimated rainfall data for Odisha state in India (1983-2018). <i>Science of the Total Environment</i> , 2021, 750, 141258.	3.9	39
17	Geo-ecological impact assessment of severe cyclonic storm Amphan on Sundarban mangrove forest using geospatial technology. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 260, 107486.	0.9	38
18	Rainfall data analyzing using moving average (MA) model and wavelet multi-resolution intelligent model for noise evaluation to improve the forecasting accuracy. <i>Neural Computing and Applications</i> , 2014, 25, 1853-1861.	3.2	36

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19	Hybrid Wavelet Neural Network Approach for Daily Inflow Forecasting Using Tropical Rainfall Measuring Mission Data. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	0.8	36
20	Modeling the impacts of future LULC and climate change on runoff and sediment yield in a strategic basin in the Caatinga/Atlantic forest ecotone of Brazil. <i>Catena</i> , 2021, 203, 105308.	2.2	36
21	MATSUYAMA CITY RAINFALL DATA ANALYSIS USING WAVELET TRANSFORM. <i>Proceedings of Hydraulic Engineering</i> , 2001, 45, 211-216.	0.0	34
22	Monitoring meteorological drought in a semiarid region using two long-term satellite-estimated rainfall datasets: A case study of the Piranhas River basin, northeastern Brazil. <i>Atmospheric Research</i> , 2021, 250, 105380.	1.8	34
23	Identification of precipitation zones within São Francisco River basin (Brazil) by global wavelet power spectra. <i>Hydrological Sciences Journal</i> , 2013, 58, 789-796.	1.2	33
24	Drought impacts, social organization, and public policies in northeastern Brazil: a case study of the upper Paraíba River basin. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 317.	1.3	32
25	Analysis of long- and short-term shoreline change dynamics: A study case of João Pessoa city in Brazil. <i>Science of the Total Environment</i> , 2021, 769, 144889.	3.9	32
26	Automatic Calibration of the SHETRAN Hydrological Modelling System Using MSCE. <i>Water Resources Management</i> , 2013, 27, 4053-4068.	1.9	31
27	Estimation of evapotranspiration for different land covers in a Brazilian semi-arid region: A case study of the Brígida River basin, Brazil. <i>Journal of South American Earth Sciences</i> , 2017, 74, 54-66.	0.6	31
28	Hydrological simulation in a tropical humid basin in the Cerrado biome using the SWAT model. <i>Hydrology Research</i> , 2018, 49, 908-923.	1.1	31
29	Application of an optimization technique to a physically based erosion model. <i>Hydrological Processes</i> , 2003, 17, 989-1003.	1.1	30
30	Integrated spatiotemporal trends using TRMM 3B42 data for the Upper São Francisco River basin, Brazil. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 175.	1.3	30
31	Monthly streamflow forecasting using neuro-wavelet techniques and input analysis. <i>Hydrological Sciences Journal</i> , 2018, 63, 2060-2075.	1.2	30
32	An overview of research on natural resources and indigenous communities: a bibliometric analysis based on Scopus database (1979â€“2020). <i>Environmental Monitoring and Assessment</i> , 2021, 193, 59.	1.3	30
33	Correlation of dengue incidence and rainfall occurrence using wavelet transform for João Pessoa city. <i>Science of the Total Environment</i> , 2019, 647, 794-805.	3.9	29
34	Evaluation and modeling of runoff and sediment yield for different land covers under simulated rain in a semiarid region of Brazil. <i>International Journal of Sediment Research</i> , 2018, 33, 117-125.	1.8	28
35	Assessment of current and future land use/cover changes in soil erosion in the Rio da Prata basin (Brazil). <i>Science of the Total Environment</i> , 2022, 818, 151811.	3.9	28
36	Erosivity, surface runoff, and soil erosion estimation using GIS-coupled runoffâ€“erosion model in the Mamuaba catchment, Brazil. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 8977-8990.	1.3	27

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37	Automated surface energy balance algorithm for land (ASEBAL) based on automating endmember pixel selection for evapotranspiration calculation in MODIS orbital images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 79, 1-11.	1.4	25
38	Analysis of forest cover changes and trends in the Brazilian semiarid region between 2000 and 2018. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	24
39	Analysis of the environmental thermal comfort conditions in public squares in the semiarid region of northeastern Brazil. <i>Building and Environment</i> , 2019, 152, 145-159.	3.0	23
40	Run-offâ€“erosion modelling and water balance in the EpitÃ¡cio Pessoa Dam river basin, ParaÃba State in Brazil. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 3035-3048.	1.8	22
41	Evaluation of the TRMM Product for Monitoring Drought over ParaÃba State, Northeastern Brazil: A Statistical Analysis. <i>Remote Sensing</i> , 2020, 12, 2184.	1.8	22
42	Spatial distribution and estimation of rainfall trends and erosivity in the EpitÃ¡cio Pessoa reservoir catchment, ParaÃba, Brazil. <i>Natural Hazards</i> , 2020, 102, 829-849.	1.6	22
43	Spatiotemporal meteorological drought assessment in a humid Mediterranean region: case study of the Oued Sebaou basin (northern central Algeria). <i>Natural Hazards</i> , 2021, 108, 689-709.	1.6	22
44	Geospatial assessment of eco-environmental changes in desertification area of the Brazilian semi-arid region. <i>Earth Sciences Research Journal</i> , 2018, 22, 175-186.	0.4	21
45	Downscaling of a global climate model for estimation of runoff, sediment yield and dam storage: A case study of Pirapama basin, Brazil. <i>Journal of Hydrology</i> , 2013, 498, 46-58.	2.3	20
46	Wavelet-based variability on streamflow at 40-year timescale in the Black Sea region of Turkey. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	18
47	Streamflow Prediction Based on Artificial Intelligence Techniques. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 2393-2403.	1.0	18
48	EVALUATION OF SOIL LOSS IN GUARAÃRA BASIN BY GIS AND REMOTE SENSING BASED MODEL. <i>Journal of Urban and Environmental Engineering</i> , 2007, 1, 44-52.	0.3	17
49	A new regionalization of rainfall patterns based on wavelet transform information and hierarchical cluster analysis in northeastern Algeria. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1489-1510.	1.3	17
50	Spatiotemporal variability of vegetation due to drought dynamics (2012â€“2017): a case study of the Upper ParaÃba River basin, Brazil. <i>Natural Hazards</i> , 2020, 102, 939-964.	1.6	16
51	Mapping LULC types in the Cerrado-Atlantic Forest ecotone region using a Landsat time series and object-based image approach: A case study of the Prata River Basin, Mato Grosso do Sul, Brazil. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 136.	1.3	16
52	An Enhanced Innovative Triangular Trend Analysis of Rainfall Based on a Spectral Approach. <i>Water (Switzerland)</i> , 2021, 13, 727.	1.2	16
53	THE DEVELOPMENT AND RESEARCH TREND OF USING DSAS TOOL FOR SHORELINE CHANGE ANALYSIS: A SCIENTOMETRIC ANALYSIS. <i>Journal of Urban and Environmental Engineering</i> , 0, , 69-77.	0.3	16
54	Mining impacts on forest cover change in a tropical forest using remote sensing and spatial information from 2001â€“2019: A case study of Odisha (India). <i>Journal of Environmental Management</i> , 2022, 302, 114067.	3.8	16

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55	Determining the Hydrological Behaviour of Catchment Based on Quantitative Morphometric Analysis in the Hard Rock Area of Nand Samand Catchment, Rajasthan, India. <i>Hydrology</i> , 2022, 9, 31.	1.3	16
56	Assessment of trend and current pattern of open educational resources: A bibliometric analysis. <i>Journal of Academic Librarianship</i> , 2022, 48, 102520.	1.3	16
57	Investigating Relationships between Runoff and Erosion Processes and Land Use and Land Cover Using Remote Sensing Multiple Gridded Datasets. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 272.	1.4	16
58	Análise da variabilidade espaço-temporal e identificação do padrão da precipitação na bacia do Rio Tapacurá, Pernambuco. <i>Sociedade &amp; Natureza</i> , 2010, 22, 357-372.	0.0	15
59	Effects of human-induced land degradation on water and carbon fluxes in two different Brazilian dryland soil covers. <i>Science of the Total Environment</i> , 2021, 792, 148458.	3.9	15
60	Optimizing hyperparameters of deep hybrid learning for rainfall prediction: a case study of a Mediterranean basin. <i>Arabian Journal of Geosciences</i> , 2022, 15, .	0.6	15
61	The use of Kohonen neural networks for runoff and erosion modeling. <i>Journal of Soils and Sediments</i> , 2014, 14, 1242-1250.	1.5	14
62	Spatial and temporal water-level variations in the Texas portion of the Ogallala Aquifer. <i>Natural Hazards</i> , 2016, 80, 351-365.	1.6	14
63	Analyzing shoreline dynamicity and the associated socioecological risk along the Southern Odisha Coast of India using remote sensing-based and statistical approaches. <i>Geocarto International</i> , 2022, 37, 3991-4027.	1.7	14
64	Assessment of automated evapotranspiration estimates obtained using the GP-SEBAL algorithm for dry forest vegetation (Caatinga) and agricultural areas in the Brazilian semiarid region. <i>Agricultural Water Management</i> , 2021, 250, 106863.	2.4	14
65	Response of long- to short-term tidal inlet morphodynamics on the ecological ramification of Chilika lake, the tropical Ramsar wetland in India. <i>Science of the Total Environment</i> , 2022, 807, 150769.	3.9	14
66	Remote sensing-based assessment of land degradation and drought impacts over terrestrial ecosystems in Northeastern Brazil. <i>Science of the Total Environment</i> , 2022, 835, 155490.	3.9	14
67	Geo-ecological cues for mass nesting synchronization of Olive Ridley turtles along Rushikulya estuary in Odisha, east coast of India. <i>Marine Pollution Bulletin</i> , 2021, 172, 112881.	2.3	13
68	Geospatial cluster analysis of the state, duration and severity of drought over Paraíba State, northeastern Brazil. <i>Science of the Total Environment</i> , 2021, 799, 149492.	3.9	13
69	KOHONEN NEURAL NETWORKS FOR RAINFALL-RUNOFF MODELING: CASE STUDY OF PIANCÁ RIVER BASIN. <i>Journal of Urban and Environmental Engineering</i> , 0, , 176-182.	0.3	13
70	PREDICTING SOIL EROSION AND SEDIMENT YIELD IN THE TAPACURÁ-CATCHMENT, BRAZIL. <i>Journal of Urban and Environmental Engineering</i> , 0, , 75-82.	0.3	13
71	Evaluation of Karst Spring Discharge Response Using Time-Scale-Based Methods for a Mediterranean Basin of Northern Algeria. <i>Water (Switzerland)</i> , 2021, 13, 2946.	1.2	13
72	CUCKOO SEARCH VIA LEVY FLIGHTS FOR OPTIMIZATION OF A PHYSICALLY-BASED RUNOFF-EROSION MODEL. <i>Journal of Urban and Environmental Engineering</i> , 2012, 6, 123-131.	0.3	12

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73	Assessment of impacts to the sequence of the tropical cyclone Nisarga and monsoon events in shoreline changes and vegetation damage in the coastal zone of Maharashtra, India. <i>Marine Pollution Bulletin</i> , 2022, 174, 113262.	2.3	12
74	Assessing machine learning models for streamflow estimation: a case study in Oued Sebaou watershed (Northern Algeria). <i>Hydrological Sciences Journal</i> , 2022, 67, 1328-1341.	1.2	12
75	Urban forest loss using a GIS-based approach and instruments for integrated urban planning: A case study of João Pessoa, Brazil. <i>Journal of Chinese Geography</i> , 2021, 31, 1529-1553.	1.5	11
76	Multispectral image unsupervised segmentation using watershed transformation and cross-entropy minimization in different land use. <i>GIScience and Remote Sensing</i> , 2014, 51, 613-629.	2.4	10
77	A Transformada Wavelet e sua Aplicação na Análise de Séries Hidrológicas. <i>Revista Brasileira De Recursos Hídricos</i> , 2013, 18, 271-280.	0.5	10
78	Monitoring vegetation loss and shoreline change due to tropical cyclone Fani using Landsat imageries in Balukhand-Konark Wildlife Sanctuary, India. <i>Journal of Coastal Conservation</i> , 2021, 25, 1.	0.7	10
79	Influência do tipo da cobertura vegetal sobre a erosão no semi-árido Paraibano. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2000, 4, 92-96.	0.4	9
80	Optimal level of wavelet decomposition for daily inflow forecasting. <i>Earth Science Informatics</i> , 2020, 13, 1163-1173.	1.6	9
81	Long-term basin-scale comparison of two high-resolution satellite-based remote sensing datasets for assessing rainfall and erosivity in a basin in the Brazilian semiarid region. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1049-1064.	1.3	9
82	Thermal comfort conditions at microclimate scale and surface urban heat island in a tropical city: A study on João Pessoa city, Brazil. <i>International Journal of Biometeorology</i> , 2022, 66, 1079-1093.	1.3	9
83	Hybrid modelling approach for water body change detection at Chalan Beel area in northern Bangladesh. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	8
84	Landslides Triggered by the May 2017 Extreme Rainfall Event in the East Coast Northeast of Brazil. <i>Atmosphere</i> , 2021, 12, 1261.	1.0	8
85	Assessment of land-use change on streamflow using GIS, remote sensing and a physically-based model, SWAT. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 364, 38-43.	1.0	8
86	Climate Indices-Based Analysis of Rainfall Spatiotemporal Variability in Pernambuco State, Brazil. <i>Water (Switzerland)</i> , 2022, 14, 2190.	1.2	8
87	Application of a particle swarm optimization to a physically-based erosion model. <i>Annals of Warsaw University of Life Sciences, Land Reclamation</i> , 2010, 42, 39-49.	0.2	7
88	Application of a simulated annealing optimization to a physically based erosion model. <i>Water Science and Technology</i> , 2012, 66, 2099-2108.	1.2	7
89	Analysis of the response of the Epitácio Pessoa reservoir (Brazilian semiarid region) to potential future drought, water transfer and LULC scenarios. <i>Natural Hazards</i> , 2021, 108, 1347-1371.	1.6	7
90	Evaluation of gridded meteorological datasets and their potential hydrological application to a humid area with scarce data for Pirapama River basin, northeastern Brazil. <i>Theoretical and Applied Climatology</i> , 2021, 145, 393-410.	1.3	7

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91	Discrete wavelet transform coupled with ANN for daily discharge forecasting into Trãs Marias reservoir. Proceedings of the International Association of Hydrological Sciences, 0, 364, 100-105.	1.0	7
92	Spatiotemporal patterns of agricultural and meteorological droughts using SPI and MODIS-based estimates over a Brazilian semiarid region: study case of Upper ParaÅba River basin. Geocarto International, 2022, 37, 11590-11613.	1.7	7
93	Suspended Sediment Load Simulation during Flood Events Using Intelligent Systems: A Case Study on Semiarid Regions of Mediterranean Basin. Water (Switzerland), 2021, 13, 3539.	1.2	7
94	Monthly Streamflow Modeling Based on Self-Organizing Maps and Satellite-Estimated Rainfall Data. Water Resources Management, 2022, 36, 2359-2377.	1.9	7
95	INFLUENCE OF THE CATCHMENT DISCRETIZATION ON THE OPTIMIZATION OF RUNOFF-EROSION MODELLING. Journal of Urban and Environmental Engineering, 2011, 5, 91-102.	0.3	6
96	RAINFALL ANALYSIS IN KLANG RIVER BASIN USING CONTINUOUS WAVELET TRANSFORM. Journal of Urban and Environmental Engineering, 2016, 10, 3-10.	0.3	6
97	Modeling the effects of future climate and land-use changes on streamflow in a headwater basin in the Brazilian Caatinga biome. Geocarto International, 2022, 37, 12436-12465.	1.7	6
98	Spatial analysis of vegetal cover and sediment yield in Tapacurã; river catchment based on remote sensing and GIS. Annals of Warsaw University of Life Sciences, Land Reclamation, 2010, 42, 5-16.	0.2	5
99	CaracterizaÃ§Ã£o HidrodinÃmica dos Solos da Bacia Experimental do Riacho GuaraÃra Utilizando o MÃ©todo Beerkan. Revista Brasileira De Recursos Hidricos, 2012, 17, 149-160.	0.5	5
100	Rainfall Prediction in the State of ParaÅba, Northeastern Brazil Using Generalized Additive Models. Water (Switzerland), 2020, 12, 2478.	1.2	4
101	Comparison of land use/land cover change of fused image and multispectral image of landsat mission: a case study of Rajshahi, Bangladesh. Environmental Earth Sciences, 2021, 80, 1.	1.3	4
102	Estimativa da produÃ§Ã£o de sedimentos mediante uso de um modelo hidrossedimentolÃ3gico acoplado a um SIG. Revista Brasileira De Engenharia Agricola E Ambiental, 2008, 12, 520-526.	0.4	4
103	ANÃLISE DO GRAU DE ERODIBILIDADE E PERDAS DE SOLO NA BACIA DO RIO CAPIÃ-BASEADO EM SIG E SENSORIAMENTO REMOTO. Revista Brasileira De Geografia Fisica, 2009, 2, 26.	0.0	4
104	VIABILITY OF PRECIPITATION FREQUENCY USE FOR RESERVOIR SIZING IN CONDOMINIUMS. Journal of Urban and Environmental Engineering, 2010, 4, 23-28.	0.3	4
105	Long-term temperature and ozone response to natural drivers in the mesospheric region using 16Âyears (2005â€“2020) of TIMED/SABER observation data at 5â€“15Â°N. Advances in Space Research, 2022, 70, 2095-2111.	1.2	4
106	Mapping main risk areas of lightning fatalities between 2000 and 2020 over Odisha state (India): A diagnostic approach to reduce lightning fatalities using statistical and spatiotemporal analyses. International Journal of Disaster Risk Reduction, 2022, 79, 103145.	1.8	4
107	Sediment Yield Observed in a Small Experimental Basin and its Simulation by Runoff-Erosion Modeling. Proceedings of Hydraulic Engineering, 1993, 37, 717-722.	0.0	3
108	Scale Effects of Basin Elements on Coefficients in Runoff-Erosion Modeling. Proceedings of Hydraulic Engineering, 1994, 38, 83-88.	0.0	3

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109	A CONCEPTUAL SOIL EROSION MODEL. Proceedings of Hydraulic Engineering, 1998, 42, 1033-1038.	0.0	3
110	Análise Espacial dos Riscos de Erosão e Inundação na Bacia do Rio Cuiá. Revista Brasileira De Recursos Hidricos, 2010, 15, 21-32.	0.5	3
111	Spatial modeling of soil salinity using multiple linear regression, ordinary kriging and artificial neural network methods in the Lower Cheliff plain, Algeria. Journal of Urban and Environmental Engineering, 2019, 13, 34-41.	0.3	3
112	Land cover and climate change effects on streamflow and sediment yield: a case study of Tapacurá River basin, Brazil. Proceedings of the International Association of Hydrological Sciences, 0, 371, 189-193.	1.0	3
113	A COMPARATIVE STUDY OF SOME OF THE SEDIMENT TRANSPORT EQUATIONS FOR AN ALLUVIAL CHANNEL WITH DUNES. Journal of Urban and Environmental Engineering, 2008, 2, 28-32.	0.3	2
114	Influence of Initial Infiltration on Runoff Hydrographs from a Test Field in a Semiarid Region of Northeastern Brazil. Proceedings of Hydraulic Engineering, 1997, 41, 203-208.	0.0	1
115	SEDIMENT YIELD DUE TO HEAVY RAINFALL FROM A TEST FIELD IN BRAZIL AND ITS ANALYSIS BY A RUNOFF-EROSION MODEL. Doboku Gakkai Ronbunshu, 1998, 1998, 117-126.	0.2	1
116	OPTIMIZATION OF A RUNOFF-EROSION MODEL THROUGH A GENETIC ALGORITHM. Proceedings of Hydraulic Engineering, 1999, 43, 557-561.	0.0	1
117	Role and Concept of Rooftop Disconnection in Terms of Runoff Volume and Flood Peak Quantity. International Journal of Environmental Research, 0, , 1.	1.1	1
118	Perdas de Água e Solo Utilizando Chuva Simulada em Diferentes Coberturas Superficiais e Condições de Umidade no Semiárido Paraibano. Revista Brasileira De Recursos Hidricos, 2012, 17, 217-228.	0.5	1
119	IMPROVEMENT IN A GENETIC ALGORITHM FOR OPTIMIZATION OF RUNOFF-EROSION MODELS. Proceedings of Hydraulic Engineering, 2000, 44, 705-710.	0.0	1
120	Aplicação do modelo hidrológico AUMOD baseado em SIG para a gestão de recursos hídricos do rio Pirapama, Pernambuco, Brasil. Revista Ambiente & Água, 2007, 2, 7-20.	0.1	1
121	PERDAS DE ÁGUA E SEDIMENTO EM DIFERENTES SISTEMAS DE MANEJO NO SEMIÁRIDO DA PARAÍBA. Mercator: Revista De Geografia Da UFC, 2011, 10, 161-170.	0.3	1
122	Detecting hydro-climatic change using spatiotemporal analysis of rainfall time series in the Cobres River basin, Portugal. Proceedings of the International Association of Hydrological Sciences, 0, 366, 125-126.	1.0	1
123	Sediment Yield Equation by Sheet Erosion on Soil Slope for a Semiarid Region. Proceedings of Hydraulic Engineering, 1996, 40, 875-880.	0.0	0
124	Estimativa de Valores Regionais dos Parâmetros do Solo do Modelo KINEROS2 para o Semiárido Paraibano. Revista Brasileira De Recursos Hidricos, 2011, 16, 141-150.	0.5	0
125	ANÁLISE DAS PERDAS DE ÁGUA E SOLO EM UM VERTISSOLO CROMADO SOB DIFERENTES SISTEMAS DE MANEJO. Boletim Goiano De Geografia, 2012, 32, .	0.1	0
126	Rainfall trends over 40 years in the Cobres River basin, Portugal: variability and impacts. Proceedings of the International Association of Hydrological Sciences, 0, 366, 127-128.	1.0	0

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127	Variability of Rainfall in the Semi-Arid Region of Brazil. , 0, , .		0
128	RAINFALL ANALYSIS IN KLANG RIVER BASIN USING CONTINUOUS WAVELET TRANSFORM. Journal of Urban and Environmental Engineering, 2016, 10, 3-10.	0.3	0