Eduardo Mario Mendiondo

List of Publications by Year
in descending order

87 papers	2,371 citations	361045 20 h-index	223531 46 g-index
104 all docs	104 docs citations	104 times ranked	2995 citing authors

#	Article	IF	Citations
1	Droughts in São Paulo: challenges and lessons for a water-adaptive society. Urban Water Journal, 2023, 20, 1682-1694.	1.0	2
2	Multi-driver ensemble to evaluate the water utility business interruption cost induced by hydrological drought risk scenarios in Brazil. Urban Water Journal, 2023, 20, 1517-1531.	1.0	1
3	Low Impact Development practices in the context of United Nations Sustainable Development Goals: A new concept, lessons learned and challenges. Critical Reviews in Environmental Science and Technology, 2022, 52, 2538-2581.	6.6	27
4	The effect of intra-urban mobility flows on the spatial heterogeneity of social media activity: investigating the response to rainfall events. International Journal of Geographical Information Science, 2022, 36, 1140-1165.	2.2	6
5	Can we scale Digital Twins of Nature-based Solutions for stormwater and transboundary water security projects?. Journal of Hydroinformatics, 2022, 24, 749-764.	1.1	6
6	Advances in Technological Research for Online and In Situ Water Quality Monitoring—A Review. Sustainability, 2022, 14, 5059.	1.6	20
7	Linking Urban Floods to Citizen Science and Low Impact Development in Poorly Gauged Basins under Climate Changes for Dynamic Resilience Evaluation. Water (Switzerland), 2022, 14, 1467.	1.2	4
8	Modular Design of Bioretention Systems for Sustainable Stormwater Management under Drivers of Urbanization and Climate Change. Sustainability, 2022, 14, 6799.	1.6	6
9	Nature-Based Solutions and Real-Time Control: Challenges and Opportunities. Water (Switzerland), 2021, 13, 651.	1.2	22
10	Blue and grey urban water footprints through citizens' perception and time series analysis of Brazilian dynamics. Hydrological Sciences Journal, 2021, 66, 408-421.	1.2	7
11	Unveiling water security in Brazil: current challenges and future perspectives. Hydrological Sciences Journal, 2021, 66, 759-768.	1.2	12
12	Assessing the Impact of Climate Change on Transportation Infrastructure Using the Hydrologic-Footprint-Residence Metric. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	0.8	6
13	Spatial Assessment of Overland Flow, Pollutant Concentration, and First Flush Using a 2D Non-Point Source Pollution and Hydrological Model for Urban Catchments. , 2021, , .		0
14	Permeable Pavement Hydrological Model to Assess the Long-Term Efficiency of Maintenance Using High-Resolution Temperature and Rainfall Data. , 2021, , .		1
15	Evaluating low impact development practices potentials for increasing flood resilience and stormwater reuse through lab-controlled bioretention systems. Water Science and Technology, 2021, 84, 1103-1124.	1.2	9
16	A novel multistage risk management applied to water-related disaster using diversity of measures: A theoretical approach. Ecohydrology and Hydrobiology, 2021, 21, 443-453.	1.0	4
17	Urban flood risk under global changes: a socio-hydrological and cellular automata approach in a Brazilian catchment. Hydrological Sciences Journal, 2021, 66, 2011-2021.	1.2	2
18	Different Configurations of a Bioretention System Focused on Stormwater Harvesting in Brazil. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	3

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19	Citizens' viewpoints on stormwater Beneficial Management Practices (BMPs) in Brazil. Journal of Cleaner Production, 2021, 328, 129569.	4.6	3
20	A data-driven framework for identifying productivity zones and the impact of agricultural droughts in sugarcane using SPI and unsupervised learning. , 2021, , .		2
21	Automatic Spatial Rainfall Estimation on Limited Coverage Areas. , 2021, , .		0
22	Anticipated Memories and Adaptation from Past Flood Events in GregÃ³rio Creek Basin, Brazil. Water (Switzerland), 2021, 13, 3394.	1.2	1
23	A Theoretical Framework for Multi-Hazard Risk Mapping on Agricultural Areas Considering Artificial Intelligence, IoT, and Climate Change Scenarios. , 2021, 9, .		3
24	Urban waters. Brazilian Journal of Biology, 2021, 83, e250000.	0.4	0
25	Towards urban resilience through Sustainable Drainage Systems: A multi-objective optimisation problem. Journal of Environmental Management, 2020, 275, 111173.	3.8	44
26	Multi-Year Index-Based Insurance for Adapting Water Utility Companies to Hydrological Drought: Case Study of a Water Supply System of the Sao Paulo Metropolitan Region, Brazil. Water (Switzerland), 2020, 12, 2954.	1.2	6
27	Ecosystem service valuation method through grey water footprint in partially-monitored subtropical watersheds. Science of the Total Environment, 2020, 738, 139408.	3.9	9
28	Using historical source data to understand urban flood risk: a socio-hydrological modelling application at GregÃ³rio Creek, Brazil. Hydrological Sciences Journal, 2020, 65, 1075-1083.	1.2	20
29	Improving flood forecasting using an input correction method in urban models in poorly gauged areas. Hydrological Sciences Journal, 2020, 65, 1096-1111.	1.2	8
30	Implications of the New Operational Rules for Cantareira Water System: Re-Reading the 2014-2016 Water Crisis. Journal of Water Resource and Protection, 2020, 12, 261-274.	0.3	12
31	Stormwater volume reduction and water quality improvement by bioretention: Potentials and challenges for water security in a subtropical catchment. Science of the Total Environment, 2019, 647, 923-931.	3.9	54
32	Bioretention performance under different rainfall regimes in subtropical conditions: A case study in SÃ£o Carlos, Brazil. Journal of Environmental Management, 2019, 248, 109266.	3.8	23
33	Application of a Disaggregation Method for the Generation of Climate Changed Intensity-Duration-Frequency Curves for Predicting Future Extreme Rainfall Impacts on Transportation Infrastructure. MATEC Web of Conferences, 2019, 271, 04002.	0.1	4
34	Phosphorus and thermotolerant coliforms' loads in Brazilian watersheds with limited data: considerations on the integrated analysis of water quality and quantity. Revista Brasileira De Recursos Hidricos, 2019, 24, .	0.5	5
35	Linkages between Water and Forests in South American Watersheds under Restoration. , 2019, , .		0
36	Flood modelling using synthesised citizen science urban streamflow observations. Journal of Flood Risk Management, 2019, 12, .	1.6	14

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37	Sustainable urban drainage: delineation of a scientific domain of knowledge production. Revista Tecnologia E Sociedade, 2019, 15, .	0.0	3
38	Geo-social media as a proxy for hydrometeorological data for streamflow estimation and to improve flood monitoring. Computers and Geosciences, 2018, 111, 148-158.	2.0	52
39	Performance of bioretention experimental devices: contrasting laboratory and field scales through controlled experiments. Revista Brasileira De Recursos Hidricos, 2018, 23, .	0.5	6
40	Modeling freshwater quality scenarios with ecosystem-based adaptation in the headwaters of the Cantareira system, Brazil. Hydrology and Earth System Sciences, 2018, 22, 4699-4723.	1.9	21
41	Decentralized Low Impact Development (LID) Practices Addressing the Security of the Water-Energy-Food Nexus. , 2018, , .		0
42	The Effects of Climate Change on Low Impact Development (LID) Performanceâ€"A Case of Study in Sao Carlos, Brazil. , 2018, , .		1
43	Seasonâ€based rainfallâ€"runoff modelling using the probabilityâ€distributed model (PDM) for large basins in southeastern Brazil. Hydrological Processes, 2018, 32, 2217-2230.	1.1	13
44	Bridging the gap between decision-making and emerging big data sources: An application of a model-based framework to disaster management in Brazil. Decision Support Systems, 2017, 97, 12-22.	3.5	113
45	Mining Rainfall Spatio-Temporal Patterns in Twitter: A Temporal Approach. Lecture Notes in Geoinformation and Cartography, 2017, , 19-37.	0.5	5
46	Economic indicators of hydrologic drought insurance under water demand and climate change scenarios in a Brazilian context. Ecological Economics, 2017, 140, 66-78.	2.9	23
47	Learning from the operation, pathology and maintenance of a bioretention system to optimize urban drainage practices. Journal of Environmental Management, 2017, 204, 454-466.	3.8	22
48	Hydrological services in the Atlantic Forest, Brazil: An ecosystem-based adaptation using ecohydrological monitoring. Climate Services, 2017, 8, 1-16.	1.0	38
49	Impact of soil moisture over Palmer Drought Severity Index and its future projections in Brazil. Revista Brasileira De Recursos Hidricos, 2017, 22, .	0.5	18
50	Field investigations of the 2013â€"14 drought through quali-quantitative freshwater monitoring at the headwaters of the Cantareira System, Brazil. Water International, 2016, 41, 776-800.	0.4	25
51	Improving the accuracy of a flood forecasting model by means of machine learning and chaos theory. Neural Computing and Applications, 2016, 27, 1129-1141.	3.2	36
52	Hydrologic Monitoring Plan of the Brazilian Water Producer/PCJ Project. Journal of Environmental Protection, 2016, 07, 1956-1970.	0.3	9
53	Assessing uncertainties in surface water security: An empirical multimodel approach. Water Resources Research, 2015, 51, 9013-9028.	1.7	14
54	A seca e a crise hÃdrica de 2014-2015 em SÃ£o Paulo. Revista USP, 2015, , 31-44.	0.1	84

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55	Contrasting American and Brazilian Systems for Water Allocation and Transfers. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	1.3	14
56	Development of a spatial decision support system for flood risk management in Brazil that combines volunteered geographic information with wireless sensor networks. Computers and Geosciences, 2015, 80, 84-94.	2.0	127
57	Urbanização e Impactos no Ciclo Hidrológico na Bacia do Mineirinho. Floresta E Ambiente, 2015, 22, 211-222.	0.1	3
58	Vazões afluentes em trincheira de infiltração domiciliar. Ciencia and Engenharia/ Science and Engineering Journal, 2015, 24, 89-98.	0.1	4
59	Combining Wireless Sensor Networks and Machine Learning for Flash Flood Nowcasting. , 2014, , .		13
60	A blue/green water–based accounting framework for assessment of water security. Water Resources Research, 2014, 50, 7187-7205.	1.7	100
61	An Accurate Flood Forecasting Model Using Wireless Sensor Networks and Chaos Theory: A Case Study with Real WSN Deployment in Brazil. Communications in Computer and Information Science, 2014, , 92-102.	0.4	6
62	Hydrological benefits in the context of Brazilian environmental services program. Environment, Development and Sustainability, 2013, 15, 1037-1048.	2.7	3
63	Integração entre curvas de permanência de quantidade e qualidade da água como uma ferramenta para a gestão eficiente dos recursos hídricos. Engenharia Sanitaria E Ambiental, 2012, 17, 369-376.	0.1	12
64	A middleware platform to support river monitoring using wireless sensor networks. Journal of the Brazilian Computer Society, 2011, 17, 85-102.	0.8	37
65	Hydrologic pulses and remaining natural vegetation in Jaú and Jacaré-Pepira watersheds. Brazilian Archives of Biology and Technology, 2010, 53, 1127-1136.	0.5	2
66	Calibration of QUAL2K model in brazilian micro watershed: effects of the land use on water quality. Acta Limnologica Brasiliensia, 2010, 22, 474-485.	0.4	12
67	Challenging issues of urban biodiversity related to ecohydrology. Brazilian Journal of Biology, 2008, 68, 983-1002.	0.4	19
68	Sistema de informações geográficas para a gestão de programas municipais de cuidado a idosos. Texto E Contexto Enfermagem, 2008, 17, 17-25.	0.4	6
69	Metodologia para o Dimensionamento de Trincheiras de Infiltração para o Controle do Escoamento Superficial na Origem. Revista Brasileira De Recursos Hidricos, 2008, 13, 207-214.	0.5	4
70	Simulação Hidráulica de Trincheiras de Infiltração de Águas Pluviais. Revista Brasileira De Recursos Hidricos, 2008, 13, 89-99.	0.5	4
71	Comparação entre equações empíricas para estimativa da evapotranspiração de referência na Bacia do Rio Jacupiranga. Revista Brasileira De Engenharia Agricola E Ambiental, 2007, 11, 293-300.	0.4	38
72	Análise de Incertezas de Observações Hidrológicas e sua Influência na Modelagem de Pequenas Bacias Urbanas. Revista Brasileira De Recursos Hidricos, 2007, 12, 107-116.	0.5	3

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73	HistÃ³rico da ExpansÃ£o Urbana e IncidÃªncia de InundaÃ§Ãµes: O Caso da Bacia do GregÃ³rio, SÃ£o Carlos - SP. Revista Brasileira De Recursos Hidricos, 2007, 12, 17-27.	0.5	13
74	CÃ¡lculo de Ã•reas InundÃ¡veis Devido a Enchentes para o Plano Diretor de Drenagem Urbana de SÃ£o Carlos (PDDUSC) na Bacia Escola do CÃ³rrego do GregÃ³rio. Revista Brasileira De Recursos Hidricos, 2007, 12, 5-17.	0.5	6
75	Modelo de Seguro para Riscos HidrolÃ³gicos. Revista Brasileira De Recursos Hidricos, 2007, 12, 107-113.	0.5	1
76	Water Scarcity Under Scenarios for Global Climate Change and Regional Development in Semiarid Northeastern Brazil. Water International, 2004, 29, 209-220.	0.4	37
77	IAHS Decade on Predictions in Ungauged Basins (PUB), 2003â€"2012: Shaping an exciting future for the hydrological sciences. Hydrological Sciences Journal, 2003, 48, 857-880.	1.2	982
78	Um Modelo de Seguro AgrÃcola para a GestÃ£o de Riscos na Agricultura em Sequeiro. Revista Brasileira De Recursos Hidricos, 2001, 6, 83-94.	0.5	0
79	Uncertainties in mean discharges from two large South American rivers due to rating curve variability. Hydrological Sciences Journal, 2000, 45, 221-236.	1.2	41
80	Escalas hidrolÃ³gicas I: Conceitos. Revista Brasileira De Recursos Hidricos, 1997, 2, 59-79.	0.5	2
81	Escalas hidrolÃ³gicas III: hipÃ³tese integradora. Revista Brasileira De Recursos Hidricos, 1997, 2, 101-122.	0.5	0
82	Escalas hidrolÃ³gicas II: Diversidade de processos na bacia vertente. Revista Brasileira De Recursos Hidricos, 1997, 2, 81-100.	0.5	0
83	Water footprint analysis of temporary crops produced in SÃ£o Carlos (SP), Brazil. Revista Brasileira De Recursos Hidricos, 0, 25, .	0.5	4
84	Nature-based solutions and Real-time control: Challenges and opportunities. , 0, , .		1
85	Multi-stage resilience analysis of the nexus flood-sanitation-public health in urban environments: a theoretical framework. Urban Water Journal, 0, , 1-18.	1.0	1
86	Multi-objective methods for crop insurance premiums: framework proposal and a case study in sugarcane. , 0, , .		0
87	Review article: Design and Evaluation of Weather Index Insurance for Multi-Hazard Resilience and Food Insecurity. , 0, , .		0