

Frederico Fábio Mauad

List of Publications by Year in descending order

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55
papers

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932766

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56
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	A Method for Chlorophyll-a and Suspended Solids Prediction through Remote Sensing and Machine Learning. <i>Sensors</i> , 2020, 20, 2125.	2.1	51
2	An Alternative Method of Spatial Autocorrelation for Chlorophyll Detection in Water Bodies Using Remote Sensing. <i>Sustainability</i> , 2017, 9, 416.	1.6	25
3	Environmental fragility analysis in reservoir drainage basin land use planning: A Brazilian basin case study. <i>Land Use Policy</i> , 2021, 100, 104946.	2.5	23
4	Evaluation of Regression Analysis and Neural Networks to Predict Total Suspended Solids in Water Bodies from Unmanned Aerial Vehicle Images. <i>Sustainability</i> , 2019, 11, 2580.	1.6	17
5	Lumped versus Distributed Hydrological Modeling of the JacarÃ-GuaÃsu Basin, Brazil. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	0.7	15
6	Assessment of the accuracy of different standard methods for determining reservoir capacity and sedimentation. <i>Journal of Soils and Sediments</i> , 2014, 14, 1224-1234.	1.5	14
7	Proposal of a Method to Determine the Correlation between Total Suspended Solids and Dissolved Organic Matter in Water Bodies from Spectral Imaging and Artificial Neural Networks. <i>Sensors</i> , 2018, 18, 159.	2.1	13
8	Evaluation of InVESTâ€™s Water Ecosystem Service Models in a Brazilian Subtropical Basin. <i>Water (Switzerland)</i> , 2022, 14, 1559.	1.2	13
9	Influence of Sedimentation on Hydroelectric Power Generation: Case Study of a Brazilian Reservoir. <i>Journal of Energy Engineering - ASCE</i> , 2015, 141, 04014016.	1.0	12
10	Evaluating a parsimonious watershed model versus SWAT to estimate streamflow, soil loss and river contamination in two case studies in TietÃ river basin, SÃo Paulo, Brazil. <i>Journal of Hydrology: Regional Studies</i> , 2020, 29, 100685.	1.0	11
11	Total phosphorus determination in eutrophic tropical river sediments by laser-induced breakdown spectroscopy techniques. <i>Analytical Methods</i> , 2021, 13, 77-83.	1.3	11
12	Climate change, water-related disasters, flood control and rainfall forecasting: a case study of the SÃo Francisco River, Brazil. <i>Geological Society Special Publication</i> , 2019, 488, 259-276.	0.8	8
13	Evaluation of the impacts of climate change on streamflow through hydrological simulation and under downscaling scenarios: case study in a watershed in southeastern Brazil. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 707.	1.3	8
14	Hydropower reservoir sediment and water quality assessment. <i>Management of Environmental Quality</i> , 2017, 28, 43-56.	2.2	7
15	SimulaÃo dos Impactos das MudanÃas ClimÃ¡ticas na VazÃo da Bacia do RibeirÃo do FeijÃo - SP. <i>Revista Brasileira De Recursos Hidricos</i> , 2015, 20, 741-751.	0.5	7
16	Direct determination of Cu, Cr, and Ni in river sediments using double pulse laser-induced breakdown spectroscopy: Ecological risk and pollution level assessment. <i>Science of the Total Environment</i> , 2022, 837, 155699.	3.9	7
17	Alternative methodology to gap filling for generation of monthly rainfall series with GIS approach. <i>Revista Brasileira De Recursos Hidricos</i> , 2018, 23, .	0.5	5
18	Geometry accuracy of DSM in water body margin obtained from an RGB camera with NIR band and a multispectral sensor embedded in UAV. <i>European Journal of Remote Sensing</i> , 2019, 52, 160-173.	1.7	5

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19	Integrated empirical models to assess nutrient concentration in water resources: case study of a small basin in southeastern Brazil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 23349-23367.	2.7	4
20	Dynamics of environmental conservation: Evaluating the past for a sustainable future. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102452.	1.4	4
21	Uso de SimulaÃ§Ã£o Computacional para Planejamento de um Sistema HÃdrico: Estudo de Caso Qualitativo e Quantitativo. <i>Revista Brasileira De Recursos Hidricos</i> , 2006, 11, 209-219.	0.5	4
22	Sustainable Urban Drainage: a brief review of the compensatory techniques of structural and non-structural measures. <i>Revista EletrÃnica Em GestÃo EducaÃ§Ã£o E Tecnologia Ambiental</i> , 0, 23, 35.	0.0	4
23	Geochemical speciation and risk assessment of metals in sediments of the Lobo-Broa Reservoir, Brazil. <i>Management of Environmental Quality</i> , 2017, 28, 430-443.	2.2	3
24	Defining environmental conservation levels considering anthropic activity in the Uberaba River Basin protected area. <i>Revista Ambiente & Ãgua</i> , 2019, 14, 1.	0.1	3
25	The environmental quality of sediments of rivers near prospection areas of semiprecious rocks. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 364.	1.3	3
26	Evaluation of the laser diffraction method for the measurement of suspended sediment concentration in Mogi-GuaÃu reservoir (SÃo Paulo, Brazil). <i>International Journal of River Basin Management</i> , 2019, 17, 89-99.	1.5	3
27	AnÃlise da qualidade das Ãguas e do estado trÃfico de cursos hÃdricos afluentes ao reservatÃrio do Lobo, Itirapina, SÃo Paulo, Brasil.. <i>Revista Brasileira De Geografia Fisica</i> , 2020, 13, 364.	0.0	3
28	Spatial distribution of areas susceptible to sheet erosion in computing environment. <i>Management of Environmental Quality</i> , 2017, 28, 414-429.	2.2	2
29	Estimating the surface runoff from natural environment data. <i>Management of Environmental Quality</i> , 2017, 28, 515-531.	2.2	2
30	Statistical assessment of cartographic product from photogrammetry and fixed-wing UAV acquisition. <i>European Journal of Remote Sensing</i> , 2020, 53, 27-39.	1.7	2
31	Uso de Geotecnologias para AnÃlise Espacial da Qualidade da Ãgua no ReservatÃrio de Barra Bonita - SP. <i>Revista Brasileira De Recursos Hidricos</i> , 2008, 13, 141-149.	0.5	2
32	Prediction of chlorophyll-a and suspended solids through remote sensing and artificial neural networks. , 2019, , .		2
33	GIS Automation for Spatialization of Water Availability. <i>Anuario Do Instituto De Geociencias</i> , 2016, 38, 47.	0.2	1
34	DISPONIBILIDADE HÃDRICA DO SOLO, EM PONTA GROSSA-PR, A PARTIR DA SIMULAÃÃO DE CENÃRIOS CLIMÃTICOS IMPACTADOS POR MUDANÃAS CLIMÃTICAS GLOBAIS. <i>Revista Brasileira De Climatologia</i> , 0, 23, .	0.3	1
35	RegionalizaÃ§Ã£o de vazÃes mÃnimas: breve revisÃo teÃrica [Regionalization of minimum flows: brief theoretical review]. <i>REEC: Revista EletrÃnica De Engenharia Civil</i> , 2018, 14, .	0.1	1
36	Maximum streamflow: brief description of concepts and methods of regionalization. <i>Revista EletrÃnica Em GestÃo EducaÃ§Ã£o E Tecnologia Ambiental</i> , 0, 23, 42.	0.0	1

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37	Variability and Trend of Air Temperature and Rainfall at Ribeirão do Lobo Hydrographic Basin, Brazil. Revista Brasileira De Geografia Fisica, 2020, 13, 035.	0.0	1
38	Spatial and Seasonal Assessment of Water Quality in the Lobo Stream River Basin, Brazil Using Multivariate Statistical Techniques. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20210072.	0.3	1
39	Density currents at steady regime. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2010, 32, 259-266.	0.8	0
40	Entropia na determinação da concentração de sedimentos em suspensão em reservatório. Engenharia Sanitaria E Ambiental, 2018, 23, 47-54.	0.1	0
41	A computational tool for hydrosedimentological and statistical calculations. Engenharia Sanitaria E Ambiental, 2021, 26, 545-555.	0.1	0
42	Estudio de las reglas de explotación de los embalses del sistema Cantareira, Sao Paulo Brasil. Ingenieria Del Agua, 2006, 13, 129.	0.2	0
43	PLANEJAMENTO E GESTÃO AMBIENTAL MUNICIPAL: UMA PROPOSTA METODOLÓGICA VISANDO A SUSTENTABILIDADE. Holos Environment, 2012, 12, 12.	0.1	0
44	Superfícies analíticas como meio de avaliação de estratégias de processamento de dados batimétricos. Ciencia and Engenharia/ Science and Engineering Journal, 2016, 24, 143-149.	0.1	0
45	Análise da conformidade ambiental das áreas protegidas da microbacia hidrográfica do córrego Santa Maria do Leme, São Carlos - SP. Revista Brasileira De Geografia Fisica, 2018, 11, 2412-2426.	0.0	0
46	Tool for Prospecting of Remaining Hydro-Energetic Potential. Anuario Do Instituto De Geociencias, 2018, 41, 427-437.	0.2	0
47	Spatial-temporal analysis of the risk to water pollution against land use changes in Lobo Stream Drainage Basin, Itirapina-SP, Brazil. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 34.	0.0	0
48	Minimum trends in air temperature in the municipality of Porto Velho - RO from 1971 to 2016. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 39.	0.0	0
49	Water balance and net radiation in forest and pasture area in Southwest Amazon. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 37.	0.0	0
50	Regionalization of average flow: a brief review of the literature. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 41.	0.0	0
51	Comparative analysis of water and energy balance between conventional system and agroforestry system of production. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 38.	0.0	0
52	Hydro-sedimentological computational tool: case study of the Mogi-Guaçu SHP (Brazil-SP). Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 40.	0.0	0
53	Estimativa da erosão em carregadores de cana-de-açúcar através da Equação Universal de Perdas de Solo. Engenharia Sanitaria E Ambiental, 2019, 24, 959-963.	0.1	0
54	Simulation of future climate scenarios and the impact on the water availability in southern Brazil. Acta Scientiarum - Technology, 0, 43, e56026.	0.4	0

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55	Análise do comportamento das chuvas por diferentes Índices climáticos, no município de Itirapina/SP. Revista Brasileira De Climatologia, 0, 30, 47-68.	0.3	0