

Frederico Fábio Mauad

List of Publications by Year in descending order

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55
papers

299
citations

932766

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996533

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all docs

56
docs citations

56
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Evaluation of InVEST™s Water Ecosystem Service Models in a Brazilian Subtropical Basin. <i>Water (Switzerland)</i> , 2022, 14, 1559.	1.2	13
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	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
5	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
6	A computational tool for hydrosedimentological and statistical calculations. <i>Engenharia Sanitaria E Ambiental</i> , 2021, 26, 545-555.	0.1	0
7	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
8	Spatial and Seasonal Assessment of Water Quality in the Lobo Stream River Basin, Brazil Using Multivariate Statistical Techniques. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20210072.	0.3	1
9	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
10	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
11	A Method for Chlorophyll-a and Suspended Solids Prediction through Remote Sensing and Machine Learning. <i>Sensors</i> , 2020, 20, 2125.	2.1	51
12	Evaluating a parsimonious watershed model versus SWAT to estimate streamflow, soil loss and river contamination in two case studies in Tietã river basin, SÃo Paulo, Brazil. <i>Journal of Hydrology: Regional Studies</i> , 2020, 29, 100685.	1.0	11
13	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
14	Variability and Trend of Air Temperature and Rainfall at RibeirÃo do Lobo Hydrographic Basin, Brazil. <i>Revista Brasileira De Geografia Fisica</i> , 2020, 13, 035.	0.0	1
15	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
16	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
17	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
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	Climate change, water-related disasters, flood control and rainfall forecasting: a case study of the São Francisco River, Brazil. Geological Society Special Publication, 2019, 488, 259-276.	0.8	8
20	Evaluation of the laser diffraction method for the measurement of suspended sediment concentration in Mogi-Guaçu reservoir (São Paulo, Brazil). International Journal of River Basin Management, 2019, 17, 89-99.	1.5	3
21	Prediction of chlorophyll-a and suspended solids through remote sensing and artificial neural networks. , 2019, , .		2
22	Estimativa da erosão em carreadores de cana-de-açúcar através da Equação Universal de Perdas de Solo. Engenharia Sanitaria E Ambiental, 2019, 24, 959-963.	0.1	0
23	Alternative methodology to gap filling for generation of monthly rainfall series with GIS approach. Revista Brasileira De Recursos Hidricos, 2018, 23, .	0.5	5
24	Entropia na determinação da concentração de sedimentos em suspensão em reservatório. Engenharia Sanitaria E Ambiental, 2018, 23, 47-54.	0.1	0
25	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. Sensors, 2018, 18, 159.	2.1	13
26	Lumped versus Distributed Hydrological Modeling of the Jacaré-Guaçu Basin, Brazil. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	15
27	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
28	Regionalização de vazões mínimas: breve revisão teórica [Regionalization of minimum flows: brief theoretical review]. REEC: Revista Eletrônica De Engenharia Civil, 2018, 14, .	0.1	1
29	Tool for Prospecting of Remaining Hydro-Energetic Potential. Anuario Do Instituto De Geociencias, 2018, 41, 427-437.	0.2	0
30	Spatial distribution of areas susceptible to sheet erosion in computing environment. Management of Environmental Quality, 2017, 28, 414-429.	2.2	2
31	Estimating the surface runoff from natural environment data. Management of Environmental Quality, 2017, 28, 515-531.	2.2	2
32	Hydropower reservoir sediment and water quality assessment. Management of Environmental Quality, 2017, 28, 43-56.	2.2	7
33	Geochemical speciation and risk assessment of metals in sediments of the Lobo-Broa Reservoir, Brazil. Management of Environmental Quality, 2017, 28, 430-443.	2.2	3
34	An Alternative Method of Spatial Autocorrelation for Chlorophyll Detection in Water Bodies Using Remote Sensing. Sustainability, 2017, 9, 416.	1.6	25
35	GIS Automation for Spatialization of Water Availability. Anuario Do Instituto De Geociencias, 2016, 38, 47.	0.2	1
36	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

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37	Influence of Sedimentation on Hydroelectric Power Generation: Case Study of a Brazilian Reservoir. Journal of Energy Engineering - ASCE, 2015, 141, 04014016.	1.0	12
38	Simulação dos Impactos das Mudanças Climáticas na Vazão da Bacia do Ribeirão do Feijão - SP. Revista Brasileira De Recursos Hídricos, 2015, 20, 741-751.	0.5	7
39	Assessment of the accuracy of different standard methods for determining reservoir capacity and sedimentation. Journal of Soils and Sediments, 2014, 14, 1224-1234.	1.5	14
40	PLANEJAMENTO E GESTÃO AMBIENTAL MUNICIPAL: UMA PROPOSTA METODOLÓGICA VISANDO A SUSTENTABILIDADE. Holos Environment, 2012, 12, 12.	0.1	0
41	Density currents at steady regime. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2010, 32, 259-266.	0.8	0
42	Uso de Geotecnologias para Análise Espacial da Qualidade da Água no Reservatório de Barra Bonita - SP. Revista Brasileira De Recursos Hídricos, 2008, 13, 141-149.	0.5	2
43	Uso de Simulação Computacional para Planejamento de um Sistema Hídrico: Estudo de Caso Qualitativo e Quantitativo. Revista Brasileira De Recursos Hídricos, 2006, 11, 209-219.	0.5	4
44	Estudio de las reglas de explotación de los embalses del sistema Cantareira, Sao Paulo Brasil. Ingenieria Del Agua, 2006, 13, 129.	0.2	0
45	DISPONIBILIDADE HÍDRICA DO SOLO, EM PONTA GROSSA-PR, A PARTIR DA SIMULAÇÃO DE CENÁRIOS CLIMÁTICOS IMPACTADOS POR MUDANÇAS CLIMÁTICAS GLOBAIS. Revista Brasileira De Climatologia, 0, 23, .	0.3	1
46	Sustainable Urban Drainage: a brief review of the compensatory techniques of structural and non-structural measures. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 35.	0.0	4
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	Maximum streamflow: brief description of concepts and methods of regionalization. Revista Eletrônica Em Gestão Educação E Tecnologia Ambiental, 0, 23, 42.	0.0	1
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