

Iran E Lima Neto

List of Publications by Year in descending order

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59
papers

929
citations

471509

17
h-index

526287

27
g-index

70
all docs

70
docs citations

70
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Bubbly jets in stagnant water. <i>International Journal of Multiphase Flow</i> , 2008, 34, 1130-1141.	3.4	86
2	Sediment redistribution due to a dense reservoir network in a large semi-arid Brazilian basin. <i>Hydrological Sciences Journal</i> , 2011, 56, 319-333.	2.6	65
3	Air Injection in Water with Different Nozzles. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 283-294.	1.4	51
4	Modeling phosphorus exchange between bottom sediment and water in tropical semiarid reservoirs. <i>Chemosphere</i> , 2020, 246, 125686.	8.2	49
5	Horizontal Injection of Gas-Liquid Mixtures in a Water Tank. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1722-1731.	1.5	40
6	Trophic state changes of semi-arid reservoirs as a function of the hydro-climatic variability. <i>Journal of Arid Environments</i> , 2021, 184, 104321.	2.4	40
7	The influence of hydroclimatic conditions and water quality on evaporation rates of a tropical lake. <i>Journal of Hydrology</i> , 2020, 590, 125456.	5.4	34
8	Dissolved Oxygen Downstream of an Effluent Outfall in an Ice-Covered River: Natural and Artificial Aeration. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 1051-1060.	1.4	33
9	Effect of Tank Size and Geometry on the Flow Induced by Circular Bubble Plumes and Water Jets. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 833-842.	1.5	31
10	Assessment of climate change impacts on hydrology and water quality of large semi-arid reservoirs in Brazil. <i>Hydrological Sciences Journal</i> , 2021, 66, 1321-1336.	2.6	29
11	Trade-off between reservoir yield and evaporation losses as a function of lake morphology in semi-arid Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 1113-1125.	0.8	27
12	Assessment of phosphorus loading dynamics in a tropical reservoir with high seasonal water level changes. <i>Science of the Total Environment</i> , 2022, 815, 152875.	8.0	26
13	Modeling flow-related phosphorus inputs to tropical semiarid reservoirs. <i>Journal of Environmental Management</i> , 2021, 295, 113123.	7.8	25
14	Modeling the Liquid Volume Flux in Bubbly Jets Using a Simple Integral Approach. <i>Journal of Hydraulic Engineering</i> , 2012, 138, 210-215.	1.5	23
15	Representing a dense network of ponds and reservoirs in a semi-distributed dryland catchment model. <i>Journal of Hydrology</i> , 2021, 603, 127103.	5.4	23
16	Performance of Low-Cost Ejectors. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2004, 130, 122-128.	1.0	22
17	Effect of Artificial Circulation on the Removal Kinetics of Cyanobacteria in a Hypereutrophic Shallow Lake. <i>Journal of Environmental Engineering, ASCE</i> , 2017, 143, .	1.4	20
18	Monitoramento e modelagem da qualidade de Água em uma bacia hidrográfica semiárida. <i>Engenharia Sanitaria E Ambiental</i> , 2018, 23, 125-135.	0.5	20

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19	Phosphorus dynamics in a highly polluted urban drainage channel-shallow reservoir system in the Brazilian semiarid. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20180441.	0.8	18
20	Modelling the impact of sediment management on the trophic state of a tropical reservoir with high water storage variations. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20181169.	0.8	18
21	Impact of flow conditions on coliform dynamics in an urban lake in the Brazilian semiarid. <i>Urban Water Journal</i> , 2020, 17, 43-53.	2.1	17
22	Maximum suction lift of water jet pumps. <i>Journal of Mechanical Science and Technology</i> , 2011, 25, 391-394.	1.5	16
23	On mixing a density interface by a bubble plume. <i>Journal of Fluid Mechanics</i> , 2016, 802, .	3.4	16
24	Bubble plume modelling with new functional relationships. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012, 50, 134-137.	1.7	15
25	Spatio-temporal Patterns of River Water Quality in the Semiarid Northeastern Brazil. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	14
26	Removal of organic matter in stormwater ponds: a plug-flow model generalisation from waste stabilisation ponds to shallow rivers. <i>Urban Water Journal</i> , 2018, 15, 918-924.	2.1	13
27	Phosphorus mass balance and input load estimation from the wet and dry periods in tropical semiarid reservoirs. <i>Environmental Science and Pollution Research</i> , 2022, 29, 10027-10046.	5.3	13
28	ANÁLISE E MODELAGEM DAS RELAÇÕES ENTRE NUTRIENTES E FITOPLÂNCTON EM RESERVATÓRIOS DO CEARÁ. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2020, , 134-147.	0.4	12
29	Effect of Nozzle Design on Bubbly Jet Entrainment and Oxygen Transfer Efficiency. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	1.5	11
30	Trends of evaporation in Brazilian tropical reservoirs using remote sensing. <i>Journal of Hydrology</i> , 2021, 598, 126473.	5.4	11
31	Impact of artificial destratification on water availability of reservoirs in the Brazilian semiarid. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20171022.	0.8	10
32	Uncovering the influence of hydrological and climate variables in chlorophyll-A concentration in tropical reservoirs with machine learning. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74967-74982.	5.3	10
33	Modelagem da qualidade da Água do rio Poti em Teresina (PI). <i>Engenharia Sanitaria E Ambiental</i> , 2018, 23, 3-14.	0.5	9
34	Monthly and seasonal streamflow forecasting of large dryland catchments in Brazil. <i>Journal of Arid Land</i> , 2021, 13, 205-223.	2.3	9
35	Improved modularity-based approach for partition of Water Distribution Networks. <i>Urban Water Journal</i> , 2021, 18, 69-78.	2.1	8
36	Impact of Orifice-to-Pipe Diameter Ratio on Leakage Flow: An Experimental Study. <i>Water (Switzerland)</i> , 2019, 11, 2189.	2.7	7

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37	Avaliação de nutriente limitante da produção algal em reservatórios do semiárido brasileiro. Brazilian Journal of Environmental Sciences (Online), 2020, 55, 456-478.	0.4	7
38	SELF-SIMILARITY OF VERTICAL BUBBLY JETS. Brazilian Journal of Chemical Engineering, 2015, 32, 475-487.	1.3	6
39	The Bell-Shaped Unit Hydrograph for Overland Planes. Journal of Irrigation and Drainage Engineering - ASCE, 2020, 146, 06020001.	1.0	6
40	Circulation induced by diffused aeration in a shallow lake. Water S A, 2017, 43, 36.	0.4	5
41	Modelagem da drenagem urbana e avaliação das cargas bacteriológicas na Vertente Marítima de Fortaleza, Ceará. Engenharia Sanitaria E Ambiental, 2020, 25, 205-216.	0.5	4
42	Influence of mass transfer on bubble plume hydrodynamics. Anais Da Academia Brasileira De Ciencias, 2016, 88, 411-422.	0.8	3
43	Tamanho de bolhas de ar formadas por difusores não porosos na água. Engenharia Sanitaria E Ambiental, 2015, 20, 175-180.	0.5	3
44	Influence of sediment distribution on the relationships among reservoir yield, spill, and evaporation losses. Engenharia Sanitaria E Ambiental, 2018, 23, 849-856.	0.5	2
45	Programa computacional para simulação do rendimento de ejetores para fins de dragagem. Revista Escola De Minas, 2004, 57, 209-213.	0.1	2
46	Formulação adimensional do fluxo em injetores de fertilizantes. Revista Brasileira De Engenharia Agricola E Ambiental, 2006, 10, 247-251.	1.1	2
47	Flood damping by reservoirs: proposition of a graphical parametric method. Revista Brasileira De Recursos Hidricos, 2017, 22, .	0.5	2
48	Avaliação experimental e modelagem matemática de filtros anaeróbios como alternativa de baixo custo para remoção de algas de efluentes de lagoas de estabilização. Engenharia Sanitaria E Ambiental, 2016, 21, 687-696.	0.5	1
49	Integração do SWMM e ferramentas SIG para modelagem hidrológico-hidráulica de bacia complexa. Engenharia Sanitaria E Ambiental, 2021, 26, 451-459.	0.5	1
50	Transferência de massa em sistemas de aeração por jatos bifásicos. Engenharia Sanitaria E Ambiental, 2013, 18, 9-14.	0.5	1
51	Air entrainment and pressure drop in low-cost ejectors. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20191444.	0.8	1
52	Aqualuz: a new solar disinfection device for treatment of cistern water. Journal of Water Supply: Research and Technology - AQUA, 2022, 71, 682-696.	1.4	1
53	Closure to "Bubble plume modelling with new functional relationships" by IRAN E. LIMA NETO, <i>J. Hydraulic Res</i>. 50(1), 2012, 134-137.. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 648-649.	1.7	0
54	Wave reflection from submerged rectangular obstacles: experiments and predictive formula. Acta Scientiarum - Technology, 2018, 40, 37520.	0.4	0

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55	Plumas em escoamento uniforme com estratificação de duas camadas. Engenharia Sanitaria E Ambiental, 2019, 24, 383-390.	0.5	0
56	Desestratificação de reservatórios por meio de aeração artificial. Engenharia Sanitaria E Ambiental, 2019, 24, 327-334.	0.5	0
57	Prediction of leakage flow rate from upward water jets bursting at the ground. Revista Brasileira De Recursos Hidricos, 0, 27, .	0.5	0
58	Equações adimensionais para determinação de vazões máximas para diferentes tempos de retorno em regiões semiáridas. Engenharia Sanitaria E Ambiental, 2022, 27, 11-23.	0.5	0
59	Asynchronous sensor networks for Nodal water demand estimation in water distribution systems based on sensor grouping analysis. Journal of Cleaner Production, 2022, 365, 132676.	9.3	0