

Pedro A Manso

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

455
citations

777949

13
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889612

19
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26
all docs

26
docs citations

26
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Plunging Circular Jets: Experimental Characterization of Dynamic Pressures near the Stagnation Zone. <i>Water (Switzerland)</i> , 2022, 14, 173.	1.2	2
2	The role of glacier retreat for Swiss hydropower production. <i>Renewable Energy</i> , 2019, 132, 615-627.	4.3	56
3	Synergies entre la production hydroélectrique et la protection contre les crues: cas d'étude de la Sihl en Suisse. <i>Houille Blanche</i> , 2019, 105, 102-115.	0.3	0
4	Multidecadal Sediment Balance Modelling of a Cascade of Alpine Reservoirs and Perspectives Based on Climate Warming. <i>Water (Switzerland)</i> , 2018, 10, 1759.	1.2	12
5	One-Dimensional Fluid-Structure Interaction Models in Pressurized Fluid-Filled Pipes: A Review. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1844.	1.3	25
6	Charting the course: A possible route to a fully renewable Swiss power system. <i>Energy</i> , 2018, 163, 942-955.	4.5	18
7	Fluid-structure interaction in straight pipelines with different anchoring conditions. <i>Journal of Sound and Vibration</i> , 2017, 394, 348-365.	2.1	38
8	Fluid-structure interaction in pipe coils during hydraulic transients. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2017, 55, 491-505.	0.7	9
9	Stress intensity factors for axial semi-elliptical surface cracks and embedded elliptical cracks at longitudinal butt welded joints of steel-lined pressure tunnels and shafts considering weld shape. <i>Engineering Fracture Mechanics</i> , 2017, 179, 93-119.	2.0	18
10	Assessment of hydropower potential in wastewater systems and application to Switzerland. <i>Renewable Energy</i> , 2017, 113, 64-73.	4.3	55
11	New parametric equations to estimate notch stress concentration factors at butt welded joints modeling the weld profile with splines. <i>Engineering Failure Analysis</i> , 2017, 72, 11-24.	1.8	24
12	Energy Recovery Using Micro-Hydropower Technology in Water Supply Systems: The Case Study of the City of Fribourg. <i>Water (Switzerland)</i> , 2016, 8, 344.	1.2	68
13	Experimental distinction of damping mechanisms during hydraulic transients in pipe flow. <i>Journal of Fluids and Structures</i> , 2016, 66, 424-446.	1.5	18
14	Fluid-structure interaction in straight pipelines: Friction coupling mechanisms. <i>Computers and Structures</i> , 2016, 175, 74-90.	2.4	23
15	Opportunity and Economic Feasibility of Inline Microhydropower Units in Water Supply Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, 04016052.	1.3	19
16	Design of Pressure Relief Valves for Protection of Steel-Lined Pressure Shafts and Tunnels Against Buckling During Emptying. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 11-20.	2.6	8
17	Influence of Plunge Pool Geometry on High-Velocity Jet Impact Pressures and Pressure Propagation inside Fissured Rock Media. <i>Journal of Hydraulic Engineering</i> , 2009, 135, 783-792.	0.7	21
18	Discussion of "Effect of jet aeration on hydrodynamic forces on plunge pool floors" Appears in the <i>Canadian Journal of Civil Engineering</i> 35(5): 521-530.. <i>Canadian Journal of Civil Engineering</i> , 2009, 36, 524-526.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Impact pressures of turbulent high-velocity jets plunging in pools with flat bottom. Experiments in Fluids, 2006, 42, 49-60.	1.1	21
20	Large-scale motion induced by turbulent plunging jets in pools created by scouring of the riverbed. , 2006, , .		0
21	Discussion of "Effect of Jet Air Content on Plunge Pool Scour" by Stefano Canepa and Willi H. Hager. Journal of Hydraulic Engineering, 2004, 130, 1128-1130.	0.7	11
22	Dynamic pressure fluctuations at real-life plunge pool bottoms. , 2004, , 117-124.		2
23	Experimental investigations on high-velocity jet characteristics and its influence on plunge pool rock scour. , 2004, , 173-180.		0
24	Reply to the discussion by H. Chanson on "Stability of concrete macro-roughness linings for overflow protection of earth embankment dams". Canadian Journal of Civil Engineering, 2003, 30, 605.	0.7	0
25	Single-phase SPH modelling of plunge pool dynamic pressures at a near-prototype scale. Journal of Hydraulic Research/De Recherches Hydrauliques, 0, , 1-15.	0.7	1