

Abdelali Terfous

List of Publications by Year in descending order

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papers

624
citations

623734

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24
g-index

35
all docs

35
docs citations

35
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the drag coefficient and settling velocity of spherical particles. Powder Technology, 2013, 239, 12-20.	4.2	75
2	Experimental investigation and CFD modelling of flow, sedimentation, and solids separation in a combined sewer detention tank. Computers and Fluids, 2009, 38, 1042-1049.	2.5	59
3	A graphical method to study suspended sediment dynamics during flood events in the Wadi Sebdou, NW Algeria (1973-2004). Journal of Hydrology, 2013, 497, 24-36.	5.4	45
4	Etude du transport solide en suspension dans l'Oued Mouilah (Nord Ouest Alg�rien). Revue Des Sciences De L'Eau, 2001, 14, 173-185.	0.2	37
5	Measurement and modeling of the settling velocity of isometric particles. Powder Technology, 2008, 184, 105-113.	4.2	34
6	Experimental investigation and performance analysis of Archimedes screw generator. Journal of Hydraulic Research/De Recherches Hydrauliques, 2016, 54, 197-209.	1.7	31
7	Experimental investigation of the dynamic behaviour of a fully passive flapping foil hydrokinetic turbine. Journal of Fluids and Structures, 2019, 88, 1-12.	3.4	31
8	Key processes influencing erosion and sediment transport in a semi-arid Mediterranean area: the Upper Tafna catchment, Algeria /<i>Processus clefs influen�ant l'�rosion et le transport des s�diments dans une r�gion semi-aride M�diterran�enne: le bassin versant de la Haute Tafna, Alg�rie</i>. Hydrological Sciences Journal, 2007, 52, 1271-1284.	2.6	29
9	Production et transport des mati�res solides en suspension dans le bassin versant de la Haute-Tafna (Nord-Ouest Alg�rien). Revue Des Sciences De L'Eau, 2003, 16, 369-380.	0.2	28
10	Computational fluid dynamics modeling for the design of Archimedes Screw Generator. Renewable Energy, 2018, 118, 847-857.	8.9	25
11	Comparative study of 1D and 2D flow simulations at open-channel junctions. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 164-170.	1.7	21
12	Variance based sensitivity analysis of 1D and 2D hydraulic models: An experimental urban flood case. Environmental Modelling and Software, 2018, 109, 167-181.	4.5	21
13	Variation temporelle de la d�gradation sp�cifique du bassin versant de l'Oued Mouilah (nord-ouest) Tj ETQq1	1 0.784314 rgBT / Q	2.6 18
14	Comparison between a coupled 1D-2D model and a fully 2D model for supercritical flow simulation in crossroads. Journal of Hydraulic Research/De Recherches Hydrauliques, 2015, 53, 274-281.	1.7	17
15	Fluctuations hydropluviom�triques du bassin-versant de l'oued Tafna �ni Bahdel (Nord-Ouest) Tj ETQq1	1 0.784314 rgBT / Q	0.1 16
16	Etude de la dynamique s�dimentaire dans le bassin versant de l'Oued Bellah (Alg�rie). Hydrological Sciences Journal, 2013, 58, 224-236.	2.6	15
17	Experimental optimisation of the pitching structural parameters of a fully passive flapping foil turbine. Renewable Energy, 2021, 171, 1436-1444.	8.9	15
18	CFD Modeling of Solid Separation in Three Combined Sewer Overflow Chambers. Journal of Environmental Engineering, ASCE, 2009, 135, 776-787.	1.4	14

#	ARTICLE	IF	CITATIONS
19	A comparative study of 1D and 2D approaches for simulating flows at right angled dividing junctions. Applied Mathematics and Computation, 2013, 219, 5070-5082.	2.2	13
20	Numerical and experimental study of an Archimedean Screw Generator. IOP Conference Series: Earth and Environmental Science, 2016, 49, 102002.	0.3	12
21	Hydrodynamic behaviour of a new permeable pavement material under high rainfall conditions. Urban Water Journal, 2016, 13, 687-696.	2.1	12
22	Effects of Inclination Angle on Archimedes Screw Generator Power Production with Constant Head. Journal of Hydraulic Engineering, 2021, 147, .	1.5	11
23	Implementation and validation of a strongly coupled numerical model of a fully passive flapping foil turbine. Journal of Fluids and Structures, 2021, 102, 103248.	3.4	11
24	Hydrodynamic characteristics of a new permeable pavement material produced from recycled concrete and organic matter. Urban Water Journal, 2013, 10, 260-267.	2.1	8
25	Jet-cavity interaction: effect of the cavity depth. Progress in Computational Fluid Dynamics, 2012, 12, 322.	0.2	7
26	IMPROVEMENT OF PHYSICAL-CHEMICAL AND RHEOLOGICAL PROPERTIES OF GHARDAÏA LOESS (SOUTHERN) Tj ET Qq 0 0 rgBT /Over	1.3	7
27	Simulation of a Wall Jet Flow over a Rectangular Cavity. Advanced Materials Research, 0, 274, 1-11.	0.3	3
28	Modeling sediment deposition from marine outfall jets. Environmental Technology (United Kingdom), 2016, 37, 1865-1874.	2.2	3
29	Measurement of liquid particle concentrations in a free jet flow. Chemical Engineering and Processing: Process Intensification, 2009, 48, 348-355.	3.6	2
30	Modélisation 3D du transport et du dépôt de particules dans un pilote de bassin d'orage. Houille Blanche, 2007, 93, 95-100.	0.3	1
31	Quantifying mobile and immobile zones during simulated stormwater infiltration through a new permeable pavement material. Environmental Technology (United Kingdom), 2015, 36, 628-637.	2.2	1
32	Sediment diffusion coefficient model for predicting the vertical distribution of suspended sediment concentration in uniform open-channel flows. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	1
33	Prévoir l'efficacité des bassins d'orage par modélisation 3D: du bassin expérimental à l'ouvrage réel. Houille Blanche, 2008, 94, 92-98.	0.3	1
34	Capitalisation des expériences en génie civil. European Journal of Environmental and Civil Engineering, 2008, 12, 1195-1210.	2.1	0
35	Flapping Foil Hydrokinetic Turbine: From a Strongly Coupled FSI Solver to the Experiment in a Confined Channel. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2021, , 315-325.	0.3	0