

Xinping Long

List of Publications by Year in descending order

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43
papers

1,578
citations

361413

20
h-index

302126

39
g-index

43
all docs

43
docs citations

43
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Large eddy simulation and Euler-Lagrangian coupling investigation of the transient cavitating turbulent flow around a twisted hydrofoil. <i>International Journal of Multiphase Flow</i> , 2018, 100, 41-56.	3.4	161
2	A review of shale swelling by water adsorption. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1421-1431.	4.4	140
3	Experimental investigation on the mechanical properties of a low-clay shale with different adsorption times in sub-/super-critical CO ₂ . <i>Energy</i> , 2018, 147, 1288-1298.	8.8	132
4	A new Euler-Lagrangian cavitation model for tip-vortex cavitation with the effect of non-condensable gas. <i>International Journal of Multiphase Flow</i> , 2021, 134, 103441.	3.4	111
5	Verification and validation of Large Eddy Simulation of attached cavitating flow around a Clark-Y hydrofoil. <i>International Journal of Multiphase Flow</i> , 2019, 115, 93-107.	3.4	104
6	Combined experimental observation and numerical simulation of the cloud cavitation with U-type flow structures on hydrofoils. <i>International Journal of Multiphase Flow</i> , 2016, 79, 10-22.	3.4	103
7	Experimental investigation on the mechanical behaviours of a low-clay shale under water-based fluids. <i>Engineering Geology</i> , 2018, 233, 124-138.	6.3	101
8	Experimental Investigation of Mechanical Properties of Black Shales after CO ₂ -Water-Rock Interaction. <i>Materials</i> , 2016, 9, 663.	2.9	97
9	Experimental investigation of the global cavitation dynamic behavior in a venturi tube with special emphasis on the cavity length variation. <i>International Journal of Multiphase Flow</i> , 2017, 89, 290-298.	3.4	61
10	Numerical investigation of attached cavitation shedding dynamics around the Clark-Y hydrofoil with the FBDCM and an integral method. <i>Ocean Engineering</i> , 2017, 137, 247-261.	4.3	60
11	Experimental investigation on the performance of jet pump cavitation reactor at different area ratios. <i>Experimental Thermal and Fluid Science</i> , 2016, 78, 309-321.	2.7	35
12	A laboratory study of geomechanical characteristics of black shales after sub-critical/super-critical CO ₂ +brine saturation. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2018, 4, 141-156.	2.9	34
13	Experimental study of the cavitation noise and vibration induced by the choked flow in a Venturi reactor. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105183.	8.2	34
14	Suppressing tip-leakage vortex cavitation by overhanging grooves. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	33
15	Unconventional Gas: Experimental Study of the Influence of Subcritical Carbon Dioxide on the Mechanical Properties of Black Shale. <i>Energies</i> , 2016, 9, 516.	3.1	29
16	Experimental investigation on the cavitation performance in a venturi reactor with special emphasis on the choking flow. <i>Experimental Thermal and Fluid Science</i> , 2019, 106, 215-225.	2.7	26
17	Performance of cavitation flow and its induced noise of different jet pump cavitation reactors. <i>Ultrasonics Sonochemistry</i> , 2019, 55, 322-331.	8.2	24
18	Implementation of design of experiment for structural optimization of annular jet pumps. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 585-592.	1.5	23

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19	Influence of nozzle exit tip thickness on the performance and flow field of jet pump. Journal of Mechanical Science and Technology, 2008, 22, 1959-1965.	1.5	22
20	Effects of coring directions on the mechanical properties of Chinese shale. Arabian Journal of Geosciences, 2015, 8, 10289-10299.	1.3	21
21	Movement characteristics of fish in a jet fish pump. Ocean Engineering, 2015, 108, 480-492.	4.3	21
22	Experimental investigation of the cavitation characteristics of jet pump cavitation reactors with special emphasis on negative flow ratios. Experimental Thermal and Fluid Science, 2018, 96, 33-42.	2.7	21
23	Numerical investigation on the recirculation in annular jet pumps. Journal of Mechanical Science and Technology, 2013, 27, 1603-1609.	1.5	19
24	Experimental investigation of cavity length pulsation characteristics of jet pumps during limited operation stage. Energy, 2018, 163, 61-73.	8.8	19
25	Impact of the internal flow in a jet fish pump on the fish. Ocean Engineering, 2016, 126, 313-320.	4.3	18
26	Experimental investigation on the transport of different fish species in a jet fish pump. Aquacultural Engineering, 2017, 79, 42-48.	3.1	15
27	Numerical investigation of turbulent flow coherent structures in annular jet pumps using the LES method. Science China Technological Sciences, 2018, 61, 86-97.	4.0	15
28	One-dimensional/three-dimensional analysis of transient cavitating flow in a venturi tube with special emphasis on cavitation excited pressure fluctuation prediction. Science China Technological Sciences, 2020, 63, 223-233.	4.0	13
29	Shear Cavitation in an Annular Jet Pump Under Recirculation Conditions. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	1.5	11
30	An experimental study of cavitation damage on tissue of Carassius auratus in a jet fish pump. Ocean Engineering, 2019, 174, 43-50.	4.3	11
31	Investigation on cavitation initiation in jet pump cavitation reactors with special emphasis on two mechanisms of cavitation initiation. Physics of Fluids, 2022, 34, .	4.0	9
32	A Damage Constitutive Model for the Effects of CO ₂ -Brine-Rock Interactions on the Brittleness of a Low-Clay Shale. Geofluids, 2018, 2018, 1-14.	0.7	8
33	Experiment on flow dynamics and cavitation structure in an axisymmetric venturi tube based on x-t diagrams and proper orthogonal decomposition. Experimental Thermal and Fluid Science, 2022, 136, 110648.	2.7	8
34	Impact of fish locomotion on the internal flow in a jet fish pump. Ocean Engineering, 2019, 187, 106227.	4.3	6
35	Impact of pressure gradients on fish scales in a jet fish pump. Biosystems Engineering, 2020, 191, 27-34.	4.3	6
36	Three dimensional simulation of the arc inside an insulator-arrester with a multichamber system. AIP Advances, 2016, 6, .	1.3	5

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37	Cavitating Flow in Jet Pump under the Operating Limits. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2009, 45, 59.	0.5	5
38	Experimental Investigation of the Instability of Cavitation in Venturi Tube under Different Cavitation Stage. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2018, 54, 209.	0.5	5
39	Removal of field-collected <i>Microcystis aeruginosa</i> in pilot-scale by a jet pump cavitation reactor. <i>Ultrasonics Sonochemistry</i> , 2022, 83, 105924.	8.2	5
40	Experiment on carbon fiber-reinforced plastic cutting by abrasive waterjet with specific emphasis on surface morphology. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 145-156.	3.0	3
41	Research on the Vibration Characteristic of a Seawater Hydraulic Piston Pump System and Vibration Reduction Approach. <i>IEEE Access</i> , 2021, 9, 90212-90230.	4.2	2
42	Large eddy simulation of turbulent cavitating flow in a Venturi-type section with special emphasis on LES errors and pressure fluctuation analyses. <i>Modern Physics Letters B</i> , 2021, 35, 2150440.	1.9	1
43	Numerical investigation of the multiphase flow patterns and removal effect in a large dissolved air flotation. <i>Water Quality Research Journal of Canada</i> , 2022, 57, 123-139.	2.7	1