

# Linmin Li

## List of Publications by Year in descending order

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31  
papers

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citations

623188

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552369

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docs citations

31  
times ranked

392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Model and CFD-PBM Coupled Model of Gas-Liquid-Slag Three-Phase Flow in Ladle Metallurgy. ISIJ International, 2015, 55, 1337-1346.	0.6	63
2	Population Balance Modeling of Polydispersed Bubbly Flow in Continuous-Casting Using Multiple-Size-Group Approach. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 406-420.	1.0	55
3	Modeling of spout-fluidized beds and investigation of drag closures using OpenFOAM. Powder Technology, 2017, 305, 364-376.	2.1	55
4	Large Eddy Simulation of Bubbly Flow and Slag Layer Behavior in Ladle with Discrete Phase Model (DPM)–Volume of Fluid (VOF) Coupled Model. Jom, 2015, 67, 1459-1467.	0.9	49
5	Modeling of Gas-Steel-Slag Three-Phase Flow in Ladle Metallurgy: Part II. Multi-scale Mathematical Model. ISIJ International, 2017, 57, 1980-1989.	0.6	44
6	Large Eddy Simulation of Transient Flow, Solidification, and Particle Transport Processes in Continuous-Casting Mold. Jom, 2014, 66, 1184-1196.	0.9	41
7	Investigation of Bubble-Slag Layer Behaviors with Hybrid Eulerian–Lagrangian Modeling and Large Eddy Simulation. Jom, 2016, 68, 2160-2169.	0.9	38
8	Numerical investigation of unsteady cloud cavitating flow around the Clark-Y hydrofoil with adaptive mesh refinement using OpenFOAM. Ocean Engineering, 2020, 206, 107349.	1.9	38
9	Multiscale modeling of tip-leakage cavitating flows by a combined volume of fluid and discrete bubble model. Physics of Fluids, 2021, 33, .	1.6	36
10	Implementation and validation of a volume-of-fluid and discrete-element-method combined solver in OpenFOAM. Particuology, 2018, 39, 109-115.	2.0	34
11	Large Eddy Simulation of Transient Flow and Inclusions Transport in Continuous Casting Mold under Different Electromagnetic Brakes. Jom, 2016, 68, 2180-2190.	0.9	33
12	Numerical modeling of multiphase flow in gas stirred ladles: From a multiscale point of view. Powder Technology, 2020, 373, 14-25.	2.1	29
13	Large eddy simulation of unsteady shedding behavior in cavitating flows with time-average validation. Ocean Engineering, 2016, 125, 1-11.	1.9	19
14	Multiscale Mathematical Model with Discrete–Continuum Transition for Gas–Liquid–Slag Three-Phase Flow in Gas-Stirred Ladles. Jom, 2018, 70, 2900-2908.	0.9	16
15	Large eddy simulation of tip-leakage cavitating flow using a multiscale cavitation model and investigation on model parameters. Physics of Fluids, 2021, 33, .	1.6	16
16	Numerical analysis of thermo-sensitive cavitating flows with special emphasises on flow separation and enstrophy conversion. International Communications in Heat and Mass Transfer, 2021, 125, 105336.	2.9	14
17	A Multi-scale Mathematical Model of Growth and Coalescence of Bubbles Beneath the Anode in an Aluminum Reduction Cell. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 2821-2834.	1.0	13
18	Evaluation of the Power-Law Wind-Speed Extrapolation Method with Atmospheric Stability Classification Methods for Flows over Different Terrain Types. Applied Sciences (Switzerland), 2018, 8, 1429.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Modelling of bubble aggregation, breakage and transport in slab continuous casting mold. Journal of Iron and Steel Research International, 2015, 22, 30-35.	1.4	11
20	Numerical Modeling of Fluid Flow, Heat Transfer and Arc-Melt Interaction in Tungsten Inert Gas Welding. High Temperature Materials and Processes, 2017, 36, 427-439.	0.6	11
21	Effect of Slotted Anode on Gas Bubble Behaviors in Aluminum Reduction Cell. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 3161-3173.	1.0	10
22	Multiscale Simulation of Bubble Behavior in Aluminum Reduction Cell Using a Combined Discrete-Bubble-Model-Volume-of-Fluid-Magnetohydrodynamical Method. Industrial & Engineering Chemistry Research, 2019, 58, 3407-3419.	1.8	10
23	Ventilation in pumped storage power stations: Influence of dehumidifiers in an underground tunnel. Applied Thermal Engineering, 2020, 172, 115162.	3.0	8
24	Investigation of wake characteristics of the MEXICO wind turbine using lattice Boltzmann method. Wind Energy, 2021, 24, 116-132.	1.9	7
25	Large eddy simulation of cavitating flow around a twist hydrofoil and investigation on force element evolution using a multiscale cavitation model. Physics of Fluids, 2022, 34, .	1.6	6
26	Eulerian two-phase modeling of cavitation for high-speed UUV using different turbulence models. , 2015, , .		4
27	Monin-Obukhov Similarity Theory for Modeling of Wind Turbine Wakes under Atmospheric Stable Conditions: Breakdown and Modifications. Applied Sciences (Switzerland), 2019, 9, 4256.	1.3	3
28	Effect of Steel Multi-collector Bars on Current Density and Magnetohydrodynamic Stability in an Aluminum Reduction Cell. Minerals, Metals and Materials Series, 2018, , 565-572.	0.3	2
29	Simulation of different gas-solid flow regimes using a drag law derived from lattice Boltzmann simulations. Journal of Computational Multiphase Flows, 2018, 10, 202-214.	0.8	1
30	Comment on "Numerical study on pore clogging mechanism in pervious pavements". Journal of Hydrology, 2019, 578, 124049.	2.3	1
31	Numerical simulation of cavitating flow around a twist hydrofoil focusing on the erosion behaviour. Journal of Physics: Conference Series, 2022, 2217, 012011.	0.3	0