

Damir Juric

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

579
citations

933447

10
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

351
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Three-Dimensional Multiphase Flow Using a Level Contour Reconstruction Method for Front Tracking without Connectivity. <i>Journal of Computational Physics</i> , 2002, 180, 427-470.	3.8	292
2	A hybrid interface method for three-dimensional multiphase flows based on front tracking and level set techniques. <i>International Journal for Numerical Methods in Fluids</i> , 2009, 60, 753-778.	1.6	61
3	A solver for massively parallel direct numerical simulation of three-dimensional multiphase flows. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 1739-1751.	1.5	42
4	A hybrid interface tracking “ level set technique for multiphase flow with soluble surfactant. <i>Journal of Computational Physics</i> , 2018, 359, 409-435.	3.8	37
5	High order level contour reconstruction method. <i>Journal of Mechanical Science and Technology</i> , 2007, 21, 311-326.	1.5	32
6	Dynamics of a surfactant-laden bubble bursting through an interface. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	25
7	Role of surfactant-induced Marangoni stresses in drop-interface coalescence. <i>Journal of Fluid Mechanics</i> , 2021, 925, .	3.4	20
8	Dynamics of retracting surfactant-laden ligaments at intermediate Ohnesorge number. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	20
9	Direct numerical simulations of transient turbulent jets: vortex-interface interactions. <i>Journal of Fluid Mechanics</i> , 2021, 922, .	3.4	18
10	Effect of surfactant on elongated bubbles in capillary tubes at high Reynolds number. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	18
11	Three-dimensional dynamics of falling films in the presence of insoluble surfactants. <i>Journal of Fluid Mechanics</i> , 2021, 906, .	3.4	7
12	Adaptive mesh axi-symmetric simulation of droplet impact with a spherical particle in mid-air. <i>International Journal of Multiphase Flow</i> , 2022, 155, 104193.	3.4	5
13	A numerical investigation of three-dimensional falling liquid films. <i>Environmental Fluid Mechanics</i> , 0, 1.	1.6	2