

Suad JakirliÄ

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,525
citations

361296

20
h-index

345118

36
g-index

40
all docs

40
docs citations

40
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Drop impact onto a liquid layer of finite thickness: Dynamics of the cavity evolution. <i>Physical Review E</i> , 2009, 79, 036306.	0.8	443
2	A new approach to modelling near-wall turbulence energy and stress dissipation. <i>Journal of Fluid Mechanics</i> , 2002, 459, 139-166.	1.4	147
3	Contribution towards the second-moment closure modelling of separating turbulent flows. <i>Computers and Fluids</i> , 1998, 27, 137-156.	1.3	108
4	Toward a Universal Roughness Correlation. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017, 139, .	0.8	86
5	Experimental and computational study of the flow induced by a plasma actuator. <i>International Journal of Heat and Fluid Flow</i> , 2013, 41, 80-89.	1.1	75
6	Extending the bounds of "steady" RANS closures: Toward an instability-sensitive Reynolds stress model. <i>International Journal of Heat and Fluid Flow</i> , 2015, 51, 175-194.	1.1	72
7	Inertia dominated flow and heat transfer in liquid drop spreading on a hot substrate. <i>International Journal of Heat and Fluid Flow</i> , 2011, 32, 785-795.	1.1	40
8	Numerical and physical aspects in LES and hybrid LES/RANS of turbulent flow separation in a 3-D diffuser. <i>International Journal of Heat and Fluid Flow</i> , 2010, 31, 820-832.	1.1	39
9	Insights into the periodic gust response of airfoils. <i>Journal of Fluid Mechanics</i> , 2019, 876, 237-263.	1.4	38
10	A new hybrid turbulence modelling strategy for industrial CFD. <i>International Journal for Numerical Methods in Fluids</i> , 2003, 42, 89-116.	0.9	36
11	A Periodically Perturbed Backward-Facing Step Flow by Means of LES, DES and T-RANS: An Example of Flow Separation Control. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2005, 127, 879-887.	0.8	31
12	Computational analysis of locally forced flow over a wall-mounted hump at high-Re number. <i>International Journal of Heat and Fluid Flow</i> , 2006, 27, 707-720.	1.1	31
13	Experimental characterization and modelling of inflow conditions for a gas turbine swirl combustor. <i>International Journal of Heat and Fluid Flow</i> , 2006, 27, 924-936.	1.1	30
14	Near-wall, Reynolds-stress model calculations of transonic flow configurations relevant to aircraft aerodynamics. <i>International Journal of Heat and Fluid Flow</i> , 2007, 28, 602-615.	1.1	28
15	Comparative assessment of Volume-of-Fluid and Level-Set methods by relevance to dendritic ice growth in supercooled water. <i>Computers and Fluids</i> , 2013, 79, 44-52.	1.3	27
16	Computational modelling of flow and conjugate heat transfer of a drop impacting onto a cold wall. <i>International Journal of Heat and Mass Transfer</i> , 2017, 109, 971-980.	2.5	27
17	Experimental characterization of the velocity boundary layer in a motored IC engine. <i>International Journal of Heat and Fluid Flow</i> , 2018, 71, 366-377.	1.1	27
18	Progress in the second-moment closure for bubbly flow based on direct numerical simulation data. <i>Journal of Fluid Mechanics</i> , 2020, 883, .	1.4	23

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19	Quenching of Premixed Flames at Cold Walls: Effects on the Local Flow Field. <i>Flow, Turbulence and Combustion</i> , 2018, 100, 177-196.	1.4	22
20	Crystallization of supercooled water: A level-set-based modeling of the dendrite tip velocity. <i>International Journal of Heat and Mass Transfer</i> , 2013, 66, 830-837.	2.5	21
21	On unified boundary conditions for improved predictions of near-wall turbulence. <i>Journal of Fluid Mechanics</i> , 2010, 656, 530-539.	1.4	15
22	Swirling flow in a tube with variably-shaped outlet orifices: An LES and VLES study. <i>International Journal of Heat and Fluid Flow</i> , 2014, 49, 28-42.	1.1	15
23	Eddy-resolving Simulations of the Notchback â€œDrivAerâ€™ Model: Influence of Underbody Geometry and Wheels Rotation on Aerodynamic Behaviour. , 0, , .		14
24	Shearless and sheared flow past a circular cylinder: Comparative analysis by means of LES. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 703-720.	1.1	13
25	Comparison of wall shear stress estimates obtained by laser Doppler velocimetry, magnetic resonance imaging and numerical simulations. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	12
26	Analysis of the wall shear stress in a generic aneurysm under pulsating and transitional flow conditions. <i>Experiments in Fluids</i> , 2020, 61, 1.	1.1	12
27	DNS, experimental and modelling study of axially compressed in-cylinder swirling flow. <i>International Journal of Heat and Fluid Flow</i> , 2000, 21, 627-639.	1.1	11
28	Experimental and Computational Investigations of Flow and Mixing in a Single-Annular Combustor Configuration. <i>Flow, Turbulence and Combustion</i> , 2009, 83, 425-448.	1.4	11
29	Critical Assessment of Some Popular Scale-Resolving Turbulence Models for Vehicle Aerodynamics. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , 0, 10, 235-250.	0.4	11
30	Comparative study of Euler/Euler and Euler/Lagrange approaches simulating evaporation in a turbulent gasâ€“liquid flow. <i>International Journal for Numerical Methods in Fluids</i> , 2009, 59, 873-906.	0.9	10
31	VLES study of a jet impinging onto a heated wall. <i>International Journal of Heat and Fluid Flow</i> , 2017, 68, 290-297.	1.1	8
32	On Interface Issues in LES/RANS Coupling Strategies: A Method for Turbulence Forcing. <i>Journal of Fluid Science and Technology</i> , 2011, 6, 56-72.	0.2	7
33	Reynolds stress modelling of wake interference of two cylinders in tandem: Conventional vs. eddy-resolving closure. <i>International Journal of Heat and Fluid Flow</i> , 2017, 67, 139-148.	1.1	7
34	Flow and heat transfer in cross-stream type T-junctions: A computational study. <i>International Journal of Heat and Fluid Flow</i> , 2018, 71, 179-188.	1.1	7
35	High performance computing of the Darmstadt stratified burner by means of large eddy simulation and a joint ATF-FGM approach. <i>Computing and Visualization in Science</i> , 2013, 16, 77-88.	1.2	6
36	Computational modeling of freezing of supercooled water using phase-field front propagation with immersed points. <i>International Journal of Multiphase Flow</i> , 2018, 99, 329-346.	1.6	6

#	ARTICLE	IF	CITATIONS
37	VLES Modeling of Flow Over Walls with Variably-shaped Roughness by Reference to Complementary DNS. Flow, Turbulence and Combustion, 2017, 99, 685-703.	1.4	3
38	Performance Assessment of Some Popular RANS Models by Relevance to High-Lift Aerodynamics. , 2009, , .		2
39	Critical evaluation of some popular hybrid LES/RANS methods by reference to flow separation at a curved wall. , 2011, , .		2
40	A tandem approach for collocated measurements of microphysical and radiative cirrus properties. Atmospheric Measurement Techniques, 2017, 10, 3485-3498.	1.2	2