

# Valery Molochnikov

## List of Publications by Year in descending order

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23  
papers

111  
citations

1478505

6  
h-index

1372567

10  
g-index

23  
all docs

23  
docs citations

23  
times ranked

45  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tornado-like vortices behind a cylinder in a channel at moderate Reynolds numbers. Journal of Physics: Conference Series, 2020, 1675, 012013.	0.4	0
2	Patterns of vortex generation behind a cylinder in a wall-bounded cross-flow during transition to turbulence. Journal of Physics: Conference Series, 2020, 1677, 012023.	0.4	0
3	SIV measurements of flow structure in the near wake of a circular cylinder at Re = 3900. Fluid Dynamics Research, 2019, 51, 055505.	1.3	23
4	Formation and turbulent breakdown of large-scale vortical structures behind an obstacle in a channel at moderate Reynolds numbers. Physics of Fluids, 2019, 31, 104104.	4.0	11
5	Flow structure behind a spanwise rib in channels of different geometry at moderate Reynolds numbers. Journal of Physics: Conference Series, 2019, 1382, 012025.	0.4	0
6	Heat transfer of a tube bundle in a pulsating flow. Thermophysics and Aeromechanics, 2019, 26, 547-559.	0.5	4
7	Influence of forced flow pulsations on heat transfer behind a rib in a channel in transitional flow regimes. Journal of Physics: Conference Series, 2018, 1128, 012021.	0.4	0
8	Heat transfer obstacle behind an obstacle in a channel at moderate Reynolds numbers in steady and pulsating flow. AIP Conference Proceedings, 2018, , .	0.4	0
9	Heat transfer from a cylinder in pulsating cross-flow. Thermophysics and Aeromechanics, 2017, 24, 569-575.	0.5	8
10	Radial Nozzles for Non-Cavitating Flow of Water at High Pressure Drops. Measurement Techniques, 2017, 60, 912-915.	0.6	4
11	Pulsating flow past a spanwise rib in a channel at moderate Reynolds numbers. Fluid Dynamics, 2017, 52, 740-750.	0.9	1
12	Viscous near-wall flow in a wake of circular cylinder at moderate Reynolds numbers. Thermophysics and Aeromechanics, 2017, 24, 873-882.	0.5	4
13	Vortex shedding behind an obstacle in a channel under transition to turbulence in steady and pulsating flows. Journal of Physics: Conference Series, 2017, 899, 052012.	0.4	0
14	New technique for laboratory measurements of heat transfer coefficient. Instruments and Experimental Techniques, 2016, 59, 159-161.	0.5	4
15	Vortex formation behind a cylinder in a fluctuating flow. Fluid Dynamics, 2014, 49, 596-601.	0.9	4
16	Distinctive features of vortical structures generation in separated channel flow behind a rib under transition to turbulence. Thermophysics and Aeromechanics, 2014, 21, 309-317.	0.5	11
17	Experimental setup for visualization of pulsating turbulent flows. Instruments and Experimental Techniques, 2014, 57, 499-502.	0.5	6
18	Evolution of kinematic structure of the flow behind a transverse rib for transitional flow regimes. Thermophysics and Aeromechanics, 2012, 19, 259-266.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Structure of the channel flow behind a surface-mounted rib under conditions of laminar-turbulent transition. <i>Thermophysics and Aeromechanics</i> , 2010, 17, 323-335.	0.5	5
20	Von Kármán vortices behind a bluff body in a wall-bounded turbulent flow with a turbulent boundary layer. <i>Fluid Dynamics</i> , 2010, 45, 599-606.	0.9	3
21	Simulation of subsonic flows with separation using the FLUENT program package: software applicability study. <i>Thermophysics and Aeromechanics</i> , 2009, 16, 367-373.	0.5	3
22	Flow separation behind a rib in a channel with laminar flow. <i>Thermophysics and Aeromechanics</i> , 2008, 15, 573-582.	0.5	7
23	Separation of a pulsating flow. <i>Doklady Physics</i> , 2007, 52, 695-698.	0.7	8