

Valery Molochnikov

List of Publications by Year in descending order

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23
papers

111
citations

1478505

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1372567

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23
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45
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Separation of a pulsating flow. Doklady Physics, 2007, 52, 695-698. | 0.7 | 8 |
| 5 | Heat transfer from a cylinder in pulsating cross-flow. Thermophysics and Aeromechanics, 2017, 24, 569-575. | 0.5 | 8 |
| 6 | Flow separation behind a rib in a channel with laminar flow. Thermophysics and Aeromechanics, 2008, 15, 573-582. | 0.5 | 7 |
| 7 | Experimental setup for visualization of pulsating turbulent flows. Instruments and Experimental Techniques, 2014, 57, 499-502. | 0.5 | 6 |
| 8 | Structure of the channel flow behind a surface-mounted rib under conditions of laminar-turbulent transition. Thermophysics and Aeromechanics, 2010, 17, 323-335. | 0.5 | 5 |
| 9 | 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 |
| 10 | Vortex formation behind a cylinder in a fluctuating flow. Fluid Dynamics, 2014, 49, 596-601. | 0.9 | 4 |
| 11 | New technique for laboratory measurements of heat transfer coefficient. Instruments and Experimental Techniques, 2016, 59, 159-161. | 0.5 | 4 |
| 12 | Radial Nozzles for Non-Cavitating Flow of Water at High Pressure Drops. Measurement Techniques, 2017, 60, 912-915. | 0.6 | 4 |
| 13 | Viscous near-wall flow in a wake of circular cylinder at moderate Reynolds numbers. Thermophysics and Aeromechanics, 2017, 24, 873-882. | 0.5 | 4 |
| 14 | Heat transfer of a tube bundle in a pulsating flow. Thermophysics and Aeromechanics, 2019, 26, 547-559. | 0.5 | 4 |
| 15 | Simulation of subsonic flows with separation using the FLUENT program package: software applicability study. Thermophysics and Aeromechanics, 2009, 16, 367-373. | 0.5 | 3 |
| 16 | Von Kármán vortices behind a bluff body in a wall-bounded turbulent flow with a turbulent boundary layer. Fluid Dynamics, 2010, 45, 599-606. | 0.9 | 3 |
| 17 | Pulsating flow past a spanwise rib in a channel at moderate Reynolds numbers. Fluid Dynamics, 2017, 52, 740-750. | 0.9 | 1 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Influence of forced flow pulsations on heat transfer behind a rib in a channel in transitional flow regimes. <i>Journal of Physics: Conference Series</i> , 2018, 1128, 012021. | 0.4 | 0 |
| 20 | Heat transfer obstacle behind an obstacle in a channel at moderate Reynolds numbers in steady and pulsating flow. <i>AIP Conference Proceedings</i> , 2018, , . | 0.4 | 0 |
| 21 | Flow structure behind a spanwise rib in channels of different geometry at moderate Reynolds numbers. <i>Journal of Physics: Conference Series</i> , 2019, 1382, 012025. | 0.4 | 0 |
| 22 | Tornado-like vortices behind a cylinder in a channel at moderate Reynolds numbers. <i>Journal of Physics: Conference Series</i> , 2020, 1675, 012013. | 0.4 | 0 |
| 23 | Patterns of vortex generation behind a cylinder in a wall-bounded cross-flow during transition to turbulence. <i>Journal of Physics: Conference Series</i> , 2020, 1677, 012023. | 0.4 | 0 |