

Jovan Jovanovic

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2422212/publications.pdf>

Version: 2024-02-01

12
papers

263
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretation of the mechanism associated with turbulent drag reduction in terms of anisotropy invariants. <i>Journal of Fluid Mechanics</i> , 2007, 577, 457-466.	3.4	67
2	Experimental investigations of turbulent drag reduction by surface-embedded grooves. <i>Journal of Fluid Mechanics</i> , 2007, 590, 107-116.	3.4	45
3	On the Mechanism Responsible for Turbulent Drag Reduction by Dilute Addition of High Polymers: Theory, Experiments, Simulations, and Predictions. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2006, 128, 118-130.	1.5	39
4	Numerical investigation of flow through a triangular duct: The coexistence of laminar and turbulent flow. <i>International Journal of Heat and Fluid Flow</i> , 2013, 41, 27-33.	2.4	32
5	Turbulence measurements in a swirling pipe flow. <i>Experiments in Fluids</i> , 2006, 41, 813-827.	2.4	26
6	On peculiar property of the velocity fluctuations in wall-bounded flows. <i>Thermal Science</i> , 2005, 9, 3-12.	1.1	25
7	Toward design of the antiturbulence surface exhibiting maximum drag reduction effect. <i>Journal of Fluid Mechanics</i> , 2018, 850, 262-303.	3.4	12
8	Numerical simulation of turbulent flow through Schiller's wavy pipe. <i>Journal of Fluid Mechanics</i> , 2014, 761, 241-260.	3.4	6
9	Erlangen pipe flow: the concept and DNS results for microflow control of near-wall turbulence. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 429-440.	2.2	5
10	Microflow-based control of near-wall fluctuations for large viscous drag reduction. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 773-780.	2.2	3
11	Numerical investigation of the effect of convex transverse curvature and concave grooves on the turbulent boundary layer along a cylinder in axial flow. <i>International Journal of Heat and Fluid Flow</i> , 2021, 92, 108855.	2.4	2
12	Relaminarization of wall turbulence by high-pressure ramps at low Reynolds numbers. <i>Thermal Science</i> , 2016, 20, 93-102.	1.1	1