

Daniel Duda

List of Publications by Year in descending order

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38
papers

345
citations

759233

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888059

17
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38
all docs

38
docs citations

38
times ranked

110
citing authors

#	ARTICLE	IF	CITATIONS
1	Lagrangian accelerations of particles in superfluid turbulence. Journal of Fluid Mechanics, 2013, 717, .	3.4	44
2	Small-scale universality of particle dynamics in quantum turbulence. Physical Review B, 2016, 94, .	3.2	31
3	Visualization of viscous and quantum flows of liquid ^4He due to an oscillating cylinder of rectangular cross section. Physical Review B, 2015, 92, .	3.2	20
4	Spatial Spectrum From Particle Image Velocimetry Data. Journal of Nuclear Engineering and Radiation Science, 2019, 5, .	0.4	20
5	Secondary flow of second kind in a short channel observed by PIV. European Journal of Mechanics, B/Fluids, 2020, 79, 444-453.	2.5	18
6	On the Visualization of Thermal Counterflow of He II Past a Circular Cylinder. Journal of Low Temperature Physics, 2014, 175, 331-338.	1.4	16
7	An Experimental Study of Turbulent Mixing in Channel Flow Past a Grid. Processes, 2020, 8, 1355.	2.8	16
8	PIV of air flow over a step and discussion of fluctuation decompositions. AIP Conference Proceedings, 2018, , .	0.4	15
9	Wake Width: Discussion of Several Methods How to Estimate It by Using Measured Experimental Data. Energies, 2021, 14, 4712.	3.1	15
10	Structure turbulent flow behind a square cylinder with an angle of incidence. European Journal of Mechanics, B/Fluids, 2021, 85, 110-123.	2.5	14
11	Streaming flow due to a quartz tuning fork oscillating in normal and superfluid ^4He . Physical Review B, 2017, 96, .	3.2	13
12	Research of a wind tunnel parameters by means of cross-section analysis of air flow profiles. AIP Conference Proceedings, 2019, , .	0.4	13
13	Spatial Patterns of ^4He Mortality Associated with Rapid ^4He Death and Ungulate Presence. Forests, 2021, 12, 1035.	2.1	13
14	Effect of Manufacturing Inaccuracies on the Wake Past Asymmetric Airfoil by PIV. Energies, 2022, 15, 1227.	3.1	13
15	Anisotropy of turbulent flow behind an asymmetric airfoil. SN Applied Sciences, 2021, 3, 1.	2.9	9
16	Velocity Statistics in Quantum Turbulence. Procedia IUTAM, 2013, 9, 79-85.	1.2	8
17	Creation of recombination corrective algorithm for research of a wind tunnel parameters. AIP Conference Proceedings, 2019, , .	0.4	8
18	Experimental Investigation of the Unsteady Stator/Rotor Wake Characteristics Downstream of an Axial Air Turbine. International Journal of Turbomachinery, Propulsion and Power, 2021, 6, 22.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Hot-Wire Investigation of Turbulence Topology behind Blades at Different Shape Qualities. Processes, 2022, 10, 522.	2.8	8
20	Cavitation Bubbles Generated by Vibrating Quartz Tuning Fork in Liquid ^4He Close to the λ . Journal of Low Temperature Physics, 2017, 187, 376-382.	1.4	6
21	Preliminary PIV measurement of an air jet. AIP Conference Proceedings, 2018, , .	0.4	5
22	Visualization of secondary flow in a corner of a channel. AIP Conference Proceedings, 2019, , .	0.4	5
23	Using ARAMIS system for measurement of structural stability of running wind tunnel. MATEC Web of Conferences, 2020, 328, 01003.	0.2	4
24	Particle image velocimetry measurement inside axial air test turbine " Effect of window. AIP Conference Proceedings, 2021, , .	0.4	3
25	How Manufacturing Inaccuracies Affect Vortices in an Airfoil Wake. , 0, , .		3
26	The PIV study of air flow past the counter-swirler 53983. MATEC Web of Conferences, 2018, 168, 05004.	0.2	3
27	Experimental and Numerical Study on Vortical Structures and Their Dynamics in a Pump Sump. Water (Switzerland), 2022, 14, 2039.	2.7	3
28	Hydrodynamic education with rheoscopic fluid. EPJ Web of Conferences, 2019, 213, 02014.	0.3	2
29	Turbulent jet stability increased by ribs inside the nozzle " Stereo PIV measurement one diameter past the nozzle. MATEC Web of Conferences, 2021, 345, 00006.	0.2	2
30	Searching of Individual Vortices in Experimental Data. , 0, , .		2
31	Lagrangian velocity distributions in thermal counterflow of superfluid ^4He . EPJ Web of Conferences, 2013, 45, 01005.	0.3	1
32	Dimensional analysis parameters of turbulence in the wake of a square cylinder. AIP Conference Proceedings, 2021, , .	0.4	1
33	Observation of flow structure past a full-stage axial air turbine at the nominal and off-design states. AIP Conference Proceedings, 2021, , .	0.4	1
34	The structure of turbulent flow behind the NACA 0012 airfoil at high angles of attack and low Reynolds number. MATEC Web of Conferences, 2021, 345, 00034.	0.2	1
35	Vortices inside a single-stage axial air turbine captured by Particle Image Velocimetry. MATEC Web of Conferences, 2020, 328, 05002.	0.2	1
36	Influence of secondary flow corner vortex to boundary layer in a channel flow. AIP Conference Proceedings, 2019, , .	0.4	0

#	ARTICLE	IF	CITATIONS
37	Designing a top cooling system for an electromagnetic calorimeter. MATEC Web of Conferences, 2021, 345, 00015.	0.2	0
38	VISUALIZATION OF LARGE-SCALE FLOW DUE TO AN OSCILLATING TUNING FORK IN NORMAL AND SUPERFLUID HELIUM. , 0, , .		0