

Tomas Vit

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

249
citations

1163117

8
h-index

996975

15
g-index

46
all docs

46
docs citations

46
times ranked

149
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid synthetic jets as the nonzero-net-mass-flux synthetic jets. <i>Physics of Fluids</i> , 2006, 18, 081701.	4.0	55
2	General temperature field measurement by digital holography. <i>Applied Optics</i> , 2013, 52, A319.	1.8	45
3	Design status of ASPiCS, an externally occulted coronagraph for PROBA-3. <i>Proceedings of SPIE</i> , 2015, , .	0.8	18
4	Numerical Investigation of Counter Flow Plate Heat Exchanger. <i>Energy Procedia</i> , 2015, 83, 341-349.	1.8	16
5	CAE methods for plate heat exchanger design. <i>Energy Procedia</i> , 2017, 134, 234-243.	1.8	12
6	Heat and Mass Transfer Caused by a Laminar Channel Flow Equipped With a Synthetic Jet Array. <i>Journal of Thermal Science and Engineering Applications</i> , 2010, 2, .	1.5	11
7	Synthetic and Continuous Jets Impinging on a Circular Cylinder. <i>Heat Transfer Engineering</i> , 2019, 40, 1111-1125.	1.9	10
8	Development and application of spatial carrier interferometry for whole field real-time investigation of temperatures in liquid media. <i>International Journal of Thermal Sciences</i> , 2019, 145, 106029.	4.9	9
9	Digital holographic interferometry used for identification of 2D temperature field. <i>EPJ Web of Conferences</i> , 2012, 25, 02014.	0.3	8
10	Measurement of a Temperature Field Generated by a Synthetic Jet Actuator using Digital Holographic Interferometry. <i>Actuators</i> , 2019, 8, 27.	2.3	7
11	Digital Holographic Interferometry for the Measurement of Symmetrical Temperature Fields in Liquids. <i>Photonics</i> , 2021, 8, 200.	2.0	7
12	Evaluation of CAE Methods Used for Plate Heat Exchanger Design. <i>Energy Procedia</i> , 2017, 111, 141-150.	1.8	6
13	HYBRID SYNTHETIC JET INTENDED FOR ENHANCED JET IMPINGEMENT HEAT/MASS TRANSFER. , 2006, , .		6
14	Identification of the Temperature Field in Pulsatile Impinging Flow. , 2010, , .		4
15	Investigation of a traveling wave thermoacoustic engine in a looped-tube. <i>EPJ Web of Conferences</i> , 2014, 67, 02086.	0.3	4
16	Direct simulation Monte Carlo method for gas flows in micro-channels with bends with added curvature. <i>EPJ Web of Conferences</i> , 2017, 143, 02131.	0.3	4
17	Digital holographic setups for phase object measurements in micro and macro scale. <i>EPJ Web of Conferences</i> , 2015, 92, 01001.	0.3	3
18	Experimental Study of Horizontal Flow Boiling Heat Transfer Coefficient and Pressure Drop of R134a from Subcooled Liquid Region to Superheated Vapor Region. <i>Energies</i> , 2022, 15, 681.	3.1	3

#	ARTICLE	IF	CITATIONS
19	Standing-wave thermoacoustic engines. EPJ Web of Conferences, 2012, 25, 01061.	0.3	2
20	Difference between working gases in thermoacoustic engine. EPJ Web of Conferences, 2014, 67, 02126.	0.3	2
21	Numerical simulation of flow in the wet scrubber for desulfurization. EPJ Web of Conferences, 2015, 92, 02055.	0.3	2
22	Dynamic interferometric measurement with extended unambiguity range in flow measurement. EPJ Web of Conferences, 2018, 180, 02087.	0.3	2
23	Multi-wavelength digital holography for shape measurement of grinded surfaces with ultimate accuracy. , 2016, , .		2
24	The Possibility of Visualizing Temperature Fields Using Digital Holographic Interferometry. Applied Mechanics and Materials, 0, 284-287, 988-995.	0.2	1
25	Design of Precise Lightweight Mirror. Applied Mechanics and Materials, 0, 284-287, 2717-2722.	0.2	1
26	Identification of temperature field in thermoacoustic generator. EPJ Web of Conferences, 2014, 67, 02127.	0.3	1
27	Laser Doppler vibrometry experiment on a piezo-driven slot synthetic jet in water. EPJ Web of Conferences, 2015, 92, 02007.	0.3	1
28	Experimental and numerical research of synthetic jet array. EPJ Web of Conferences, 2016, 114, 02014.	0.3	1
29	Design Of Theoretically Optimal Thermoacoustic Cooling Device. EPJ Web of Conferences, 2016, 114, 02124.	0.3	1
30	Heat and mass transfer measurement using method of digital holographic tomography. , 2016, , .		1
31	Design of numerical model for thermoacoustic devices using OpenFOAM. AIP Conference Proceedings, 2017, , .	0.4	1
32	Validation of digital holographic tomography in flow measurement. EPJ Web of Conferences, 2017, 143, 02097.	0.3	1
33	Active control of continuous air jet with bifurcated synthetic jets. EPJ Web of Conferences, 2017, 143, 02016.	0.3	1
34	Basic characteristics of array of pulsatile jet. EPJ Web of Conferences, 2012, 25, 02018.	0.3	0
35	Testing of Materials for Heat and Moisture Transport. Advanced Materials Research, 0, 896, 650-655.	0.3	0
36	Numerical simulation of deformation and figure quality of precise mirror. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Comparison of digital holographic interferometry and constant temperature anemometry for measurement of temperature field in fluid. , 2015, , .		0
38	Measurement of unsteady velocity flow field of pulsating flow. EPJ Web of Conferences, 2016, 114, 02015.	0.3	0
39	Measurement of reed valve kinematics. EPJ Web of Conferences, 2016, 114, 02020.	0.3	0
40	The mounting system of lenses in ASPIICS coronagraph. Proceedings of SPIE, 2016, , .	0.8	0
41	Investigation of mixing chamber for experimental FGD reactor. MATEC Web of Conferences, 2017, 89, 01001.	0.2	0
42	Modelling the Turbulent Flow Inside a FGD Tower Model Using OpenFOAM. , 2018, , .		0
43	Dynamic interferometric measurement with extended unambiguity range in flow measurement. EPJ Web of Conferences, 2018, 180, 02087.	0.3	0
44	HYSTERESIS OF PLANAR DOUBLE SLOT IMPINGING AIR JETS. EPJ Web of Conferences, 2018, 180, 02109.	0.3	0