

# Tomas Vit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3876918/publications.pdf>

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	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
2	Digital Holographic Interferometry for the Measurement of Symmetrical Temperature Fields in Liquids. <i>Photonics</i> , 2021, 8, 200.	2.0	7
3	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
4	Measurement of a Temperature Field Generated by a Synthetic Jet Actuator using Digital Holographic Interferometry. <i>Actuators</i> , 2019, 8, 27.	2.3	7
5	Synthetic and Continuous Jets Impinging on a Circular Cylinder. <i>Heat Transfer Engineering</i> , 2019, 40, 1111-1125.	1.9	10
6	Dynamic interferometric measurement with extended unambiguity range in flow measurement. <i>EPJ Web of Conferences</i> , 2018, 180, 02087.	0.3	2
7	Modelling the Turbulent Flow Inside a FGD Tower Model Using OpenFOAM. , 2018, , .		0
8	Dynamic interferometric measurement with extended unambiguity range in flow measurement. <i>EPJ Web of Conferences</i> , 2018, 180, 02087.	0.3	0
9	HYSTERESIS OF PLANAR DOUBLE SLOT IMPINGING AIR JETS. <i>EPJ Web of Conferences</i> , 2018, 180, 02109.	0.3	0
10	Evaluation of CAE Methods Used for Plate Heat Exchanger Design. <i>Energy Procedia</i> , 2017, 111, 141-150.	1.8	6
11	Design of numerical model for thermoacoustic devices using OpenFOAM. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
12	CAE methods for plate heat exchanger design. <i>Energy Procedia</i> , 2017, 134, 234-243.	1.8	12
13	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
14	Validation of digital holographic tomography in flow measurement. <i>EPJ Web of Conferences</i> , 2017, 143, 02097.	0.3	1
15	Investigation of mixing chamber for experimental FGD reactor. <i>MATEC Web of Conferences</i> , 2017, 89, 01001.	0.2	0
16	Active control of continuous air jet with bifurcated synthetic jets. <i>EPJ Web of Conferences</i> , 2017, 143, 02016.	0.3	1
17	Experimental and numerical research of synthetic jet array. <i>EPJ Web of Conferences</i> , 2016, 114, 02014.	0.3	1
18	Measurement of unsteady velocity flow field of pulsating flow. <i>EPJ Web of Conferences</i> , 2016, 114, 02015.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Measurement of reed valve kinematics. EPJ Web of Conferences, 2016, 114, 02020.	0.3	0
20	Design Of Theoretically Optimal Thermoacoustic Cooling Device. EPJ Web of Conferences, 2016, 114, 02124.	0.3	1
21	Heat and mass transfer measurement using method of digital holographic tomography. , 2016, , .		1
22	The mounting system of lenses in ASPIICS coronagraph. Proceedings of SPIE, 2016, , .	0.8	0
23	Multi-wavelength digital holography for shape measurement of grinded surfaces with ultimate accuracy. , 2016, , .		2
24	Digital holographic setups for phase object measurements in micro and macro scale. EPJ Web of Conferences, 2015, 92, 01001.	0.3	3
25	Numerical simulation of flow in the wet scrubber for desulfurization. EPJ Web of Conferences, 2015, 92, 02055.	0.3	2
26	Laser Doppler vibrometry experiment on a piezo-driven slot synthetic jet in water. EPJ Web of Conferences, 2015, 92, 02007.	0.3	1
27	Numerical simulation of deformation and figure quality of precise mirror. Proceedings of SPIE, 2015, , .	0.8	0
28	Numerical Investigation of Counter Flow Plate Heat Exchanger. Energy Procedia, 2015, 83, 341-349.	1.8	16
29	Design status of ASPIICS, an externally occulted coronagraph for PROBA-3. Proceedings of SPIE, 2015, , .	0.8	18
30	Comparison of digital holographic interferometry and constant temperature anemometry for measurement of temperature field in fluid. , 2015, , .		0
31	Investigation of a traveling wave thermoacoustic engine in a looped-tube. EPJ Web of Conferences, 2014, 67, 02086.	0.3	4
32	Difference between working gases in thermoacoustic engine. EPJ Web of Conferences, 2014, 67, 02126.	0.3	2
33	Identification of temperature field in thermoacoustic generator. EPJ Web of Conferences, 2014, 67, 02127.	0.3	1
34	General temperature field measurement by digital holography. Applied Optics, 2013, 52, A319.	1.8	45
35	Standing-wave thermoacoustic engines. EPJ Web of Conferences, 2012, 25, 01061.	0.3	2
36	Digital holographic interferometry used for identification of 2D temperature field. EPJ Web of Conferences, 2012, 25, 02014.	0.3	8

#	ARTICLE	IF	CITATIONS
37	Basic characteristics of array of pulsatile jet. EPJ Web of Conferences, 2012, 25, 02018.	0.3	0
38	Identification of the Temperature Field in Pulsatile Impinging Flow. , 2010, , .		4
39	Heat and Mass Transfer Caused by a Laminar Channel Flow Equipped With a Synthetic Jet Array. Journal of Thermal Science and Engineering Applications, 2010, 2, .	1.5	11
40	Hybrid synthetic jets as the nonzero-net-mass-flux synthetic jets. Physics of Fluids, 2006, 18, 081701.	4.0	55
41	HYBRID SYNTHETIC JET INTENDED FOR ENHANCED JET IMPINGEMENT HEAT/MASS TRANSFER. , 2006, , .		6
42	The Possibility of Visualizing Temperature Fields Using Digital Holographic Interferometry. Applied Mechanics and Materials, 0, 284-287, 988-995.	0.2	1
43	Design of Precise Lightweight Mirror. Applied Mechanics and Materials, 0, 284-287, 2717-2722.	0.2	1
44	Testing of Materials for Heat and Moisture Transport. Advanced Materials Research, 0, 896, 650-655.	0.3	0