

Vladimir Y Mityakov

List of Publications by Year in descending order

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45
papers

346
citations

933447

10
h-index

888059

17
g-index

45
all docs

45
docs citations

45
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient heat flux sensors for high temperature environments. Sensors and Actuators A: Physical, 2012, 176, 1-9.	4.1	62
2	Thermal parameters determination of battery cells by local heat flux measurements. Journal of Power Sources, 2014, 271, 48-54.	7.8	44
3	Determination of the entropy change profile of a cylindrical lithium-ion battery by heat flux measurements. Journal of Power Sources, 2016, 330, 61-69.	7.8	41
4	Title is missing!. High Temperature, 2002, 40, 620-625.	1.0	15
5	Bismuth-Based Gradient Heat-Flux Sensors in Thermal Experiment. High Temperature, 2004, 42, 629-638.	1.0	14
6	Hydrodynamics and heat transfer of yawed circular cylinder. International Journal of Heat and Mass Transfer, 2017, 115, 333-339.	4.8	13
7	Local Heat Flux Measurement in a Permanent Magnet Motor at No Load. IEEE Transactions on Industrial Electronics, 2013, 60, 4852-4860.	7.9	11
8	Heat flux measurements on the inner walls of a shock tube. Technical Physics Letters, 2004, 30, 76-77.	0.7	10
9	The calibration of gradient heat flux sensors. Measurement Techniques, 2012, 54, 1155-1159.	0.6	10
10	Simultaneous PIV and Gradient Heat Flux Measurement of a Circular Cylinder in Cross-Flow. Applied Mechanics and Materials, 2014, 629, 444-449.	0.2	10
11	Using anisotropic heat flux sensors in aerodynamic experiments. Technical Physics Letters, 2009, 35, 214-216.	0.7	9
12	The Study of Heat Flux Measurement for Heat Transfer during Condensation at Pipe Surfaces. Technical Physics Letters, 2019, 45, 321-323.	0.7	9
13	Local heat fluxes on the surfaces of dimples, ditches, and cavities. Thermal Engineering (English) Tj ETQq1 1 0.784314 rgBT /Qverlock 0,9 8	0.9	8
14	Numerical analysis of the influence of the physical viscosity on the vortex heat transfer in laminar and turbulent flows around a heated plate with a shallow spherical hole. Journal of Engineering Physics and Thermophysics, 2009, 82, 847-859.	0.6	8
15	An Experimental Investigation of the Film Boiling of Subcooled Water by Gradient Heat Flux Measurement. Technical Physics Letters, 2019, 45, 253-255.	0.7	8
16	Measurements of nonstationary heat fluxes by gradient sensors based on single-crystalline anisotropic bismuth. Technical Physics, 2004, 49, 920-926.	0.7	7
17	Cylindrical Li-Ion Battery State of Health Evaluation by Differential Heat Analysis During Calendar Ageing. Journal of the Electrochemical Society, 2019, 166, A2896-A2902.	2.9	6
18	Application of a Heat Flux Sensor in Wind Power Electronics. Energies, 2016, 9, 456.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Gradient Heatmetry Advances. Energies, 2020, 13, 6194.	3.1	5
20	Gradient heat-flux sensors: Possibilities and prospects of use. Thermal Engineering (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	0.9	4
21	Visualization of a Flow in a Spherical Dimple Built in the Lower Wall of the Rectangular-Section Channel of a Water Tunnel and Numerical Identification of the Vortex-Jet Structures in It. Journal of Engineering Physics and Thermophysics, 2015, 88, 452-470.	0.6	4
22	Gradient heat flux measurement as monitoring method for the diesel engine. Journal of Physics: Conference Series, 2017, 891, 012096.	0.4	4
23	Gradient heat flux measurement as monitoring tool for the diesel engine. MATEC Web of Conferences, 2018, 245, 14001.	0.2	4
24	Tasks and Solutions in Gradient Heat Flux Measurement. Russian Aeronautics, 2019, 62, 89-95.	0.2	4
25	Thermal measurements at the body surface in a supersonic nitrogen flow. Technical Physics Letters, 2006, 32, 621-623.	0.7	3
26	Application of the gradient heat flux sensor to study pulsed processes in a shock tube. Technical Physics, 2008, 53, 1634-1635.	0.7	3
27	State and prospects of development of gradient calorimetry. Thermal Engineering (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.9	3
28	Investigating heat transfer augmentation using gradient heat flux measurement and PIV method. MATEC Web of Conferences, 2017, 115, 02006.	0.2	3
29	Study of condensation at the surfaces of tube with gradient heat flux measurement. MATEC Web of Conferences, 2018, 245, 06010.	0.2	3
30	Investigation of flow and heat transfer at the circular fins. MATEC Web of Conferences, 2018, 245, 06001.	0.2	3
31	Condition Monitoring of Wind Power Converters Using Heat Flux Sensor. International Review of Electrical Engineering, 2016, 11, 239.	0.2	3
32	Natural and Mixed Convection Heat Transfer of a Cooling Air in Fissile Material and Spent Fuel Storage Facilities. Heat Transfer Research, 2005, 36, 295-309.	1.6	2
33	Testing and Using of Gradient Heat Flux Sensors. Heat Transfer Research, 2008, 39, 625-626.	1.6	2
34	Methodological possibilities for the solution of new tasks for "Thermophysics of Power Units" Department of SPbPU. Journal of Physics: Conference Series, 2017, 891, 012371.	0.4	1
35	Comprehensive study of flow and heat transfer at the surface of circular cooling fin. Journal of Physics: Conference Series, 2017, 891, 012095.	0.4	1
36	Gradient heat flux measurement while researching of saturated water steam condensation. Journal of Physics: Conference Series, 2017, 891, 012128.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Heat flux based method for determination of thermal parameters of the cylindrical Li-ion battery: Uncertainty analysis. , 2017, , .		1
38	Heat transfer and air flow near a pair of circular cylinders. E3S Web of Conferences, 2019, 140, 06012.	0.5	1
39	Gradient Heat Flux Sensors for Thermophysical Measurements. Heat Transfer Research, 2008, 39, 423-428.	1.6	1
40	Gradient-type sensors for heat flux measurements high temperatures. Technical Physics Letters, 2008, 34, 815-817.	0.7	0
41	High-Temperature Heat Transfer Investigations Using Heterogeneous Gradient Sensors. , 2010, , .		0
42	Oil flow control system based on gradient heat flux sensors for industrial application as industrial forklift. , 2012, , .		0
43	Simultaneous particle image velocimetry and gradient heat flux measurement. , 2015, , .		0
44	Gradient heat flux measurement during condensation at the surfaces of pipes. E3S Web of Conferences, 2019, 140, 06006.	0.5	0
45	Heat Flux Measurement in Boiler Furnaces: Methods, Sensors, First Results. Heat Transfer Research, 2011, 42, 501-522.	1.6	0