

Witold Marek Lewandowski

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38

papers

580

citations

13

h-index

23

g-index

39

ext. papers

730

ext. citations

4.9

avg, IF

4.49

L-index

#	Paper	IF	Citations
38	Efficiency and proportions of waste tyre pyrolysis products depending on the reactor type – a review. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 140, 25-53	6	103
37	Heat transfer by natural convection from an isothermal downward-facing round plate in unlimited space. <i>Applied Energy</i> , 2001 , 68, 347-366	10.7	54
36	Free convection heat transfer and fluid flow above horizontal rectangular plates. <i>Applied Energy</i> , 2000 , 66, 177-197	10.7	40
35	The use of lightweight aggregate saturated with PCM as a temperature stabilizing material for road surfaces. <i>Applied Thermal Engineering</i> , 2015 , 81, 313-324	5.8	37
34	Thermal Biomass Conversion: A Review. <i>Processes</i> , 2020 , 8, 516	2.9	33
33	Natural convection heat transfer from plates of finite dimensions. <i>International Journal of Heat and Mass Transfer</i> , 1991 , 34, 875-885	4.9	32
32	Natural convective heat-transfers from an isothermal horizontal hemispherical cavity. <i>Applied Energy</i> , 2002 , 73, 261-275	10.7	28
31	Theoretical and experimental study of natural convection heat transfer from isothermal hemisphere. <i>International Journal of Heat and Mass Transfer</i> , 1996 , 40, 101-109	4.9	28
30	Natural convection heat transfer from complex surface. <i>International Journal of Heat and Mass Transfer</i> , 1998 , 41, 1857-1868	4.9	19
29	Waste Tyres Pyrolysis for Obtaining Limonene. <i>Materials</i> , 2020 , 13,	3.5	18
28	The external walls of a passive building: A classification and description of their thermal and optical properties. <i>Energy and Buildings</i> , 2014 , 69, 93-102	7	16
27	Possibility of thermal imaging use in studies of natural convection heat transfer on the example of an isothermal vertical plate. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 78, 1232-1242	4.9	16
26	Heat transfer by free convection from an isothermal vertical round plate in unlimited space. <i>Applied Energy</i> , 2001 , 68, 187-201	10.7	15
25	Natural convective heat transfer from isothermal cuboids. <i>International Journal of Heat and Mass Transfer</i> , 2003 , 46, 2169-2178	4.9	13
24	Natural convection in symmetrically heated vertical channels. <i>International Journal of Thermal Sciences</i> , 2018 , 134, 530-540	4.1	12
23	Post-Pyrolytic Carbon as a Phase Change Materials (PCMs) Carrier for Application in Building Materials. <i>Materials</i> , 2020 , 13,	3.5	11
22	Natural convective heat transfer from isothermal cone. <i>International Journal of Heat and Mass Transfer</i> , 1999 , 42, 1895-1907	4.9	11

21	Infrared techniques for natural convection investigations in channels between two vertical, parallel, isothermal and symmetrically heated plates. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 114, 958-969	4.9	10
20	Experimental verification of natural convective heat transfer phenomenon from isothermal cuboids. <i>Experimental Thermal and Fluid Science</i> , 2008 , 32, 1034-1038	3	9
19	The Effect of Plate Size on the Natural Convective Heat Transfer Intensity of Horizontal Surfaces. <i>Heat Transfer Engineering</i> , 2005 , 26, 50-53	1.7	9
18	Quantitative study of free convective heat losses from thermodynamic partitions using Thermal Imaging. <i>Energy and Buildings</i> , 2018 , 167, 370-383	7	8
17	Heat transfer from polygonal horizontal isothermal surfaces. <i>International Journal of Heat and Mass Transfer</i> , 1994 , 37, 855-864	4.9	8
16	The use of thermal imaging camera to estimate velocity profiles based on temperature distribution in a free convection boundary layer. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 165, 120686	4.9	8
15	Pyrolysis Process of Whole Waste Tires as A Biomass Energy Recycling / Piroliza Opon Samochodowych Jako Energetyczny Recykling Biomasy. <i>Ecological Chemistry and Engineering S</i> , 2013 , 20, 93-107	1.3	7
14	Free Convective Heat Transfer Structures as a Function of the Width of Isothermal Horizontal Rectangular Plates. <i>Heat Transfer Engineering</i> , 2005 , 26, 042-050	1.7	6
13	Influence of cylindrical screens on free convection heat transfer from a horizontal plate. <i>International Journal of Heat and Fluid Flow</i> , 1991 , 12, 92-94	2.4	6
12	Study of free convective heat transfer from horizontal conic. <i>International Journal of Heat and Mass Transfer</i> , 2003 , 46, 4925-4934	4.9	5
11	Evaluating the influence of radiative heat flux on convective heat transfer from a vertical plate in air using an improved heating plate. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 173, 121232	4.9	4
10	Thermal properties of a cement composite containing phase change materials (PCMs) with post-pyrolytic char obtained from spent tyres as a carrier. <i>Energy</i> , 2022 , 239, 121936	7.9	4
9	A theoretical consideration of a free convective boundary layer on an isothermal horizontal conic. <i>Applied Mathematical Modelling</i> , 2004 , 28, 305-321	4.5	3
8	Experimental Investigations of Natural Convection from Circular Plates at Variable Inclination. <i>Journal of Thermophysics and Heat Transfer</i> , 2007 , 21, 813-816	1.3	2
7	The limitation of heat losses from horizontal surfaces by a layer of open hexagonal cells. <i>Chemical Engineering and Processing: Process Intensification</i> , 1996 , 35, 195-201	3.7	2
6	Reduction of convective heat transfer losses from flat surfaces. <i>Chemical Engineering and Processing: Process Intensification</i> , 1992 , 31, 331-335	3.7	2
5	Theoretical consideration of free convective heat transfer from a round isothermal plate slightly inclined from the vertical. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 109, 835-843	4.9	1
4	Study of free convective boundary layer of isothermal lateral surface of axisymmetrical horizontal body. <i>Applied Mathematical Modelling</i> , 2009 , 33, 3421-3429	4.5	0

- 3 Method of reconstructing two-dimensional velocity fields on the basis of temperature field values measured with a thermal imaging camera. *International Journal of Heat and Mass Transfer*, **2021**, 184, 122264 4.9 ○
- 2 Attempts of Thermal Imaging Camera Usage in Estimations of the Convective Heat Loss From a Vertical Plate. *MATEC Web of Conferences*, **2014**, 18, 03002 0.3
- 1 Verification of the method of reconstructing convective velocity fields on the basis of temperature fields in vertical, differential and equally heated, open and closed channels. *International Journal of Heat and Mass Transfer*, **2021**, 183, 122238 4.9