

# Witold Marek Lewandowski

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8381916/witold-marek-lewandowski-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , <b>2022</b> , 239, 121936	7.9	4
37	Method of reconstructing two-dimensional velocity fields on the basis of temperature field values measured with a thermal imaging camera. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 184, 122264	4.9	0
36	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. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 183, 122238	4.9	
35	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> , <b>2021</b> , 173, 121232	4.9	4
34	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> , <b>2021</b> , 165, 120686	4.9	8
33	Thermal Biomass Conversion: A Review. <i>Processes</i> , <b>2020</b> , 8, 516	2.9	33
32	Waste Tyres Pyrolysis for Obtaining Limonene. <i>Materials</i> , <b>2020</b> , 13,	3.5	18
31	Post-Pyrolytic Carbon as a Phase Change Materials (PCMs) Carrier for Application in Building Materials. <i>Materials</i> , <b>2020</b> , 13,	3.5	11
30	Efficiency and proportions of waste tyre pyrolysis products depending on the reactor type – a review. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 140, 25-53	6	103
29	Quantitative study of free convective heat losses from thermodynamic partitions using Thermal Imaging. <i>Energy and Buildings</i> , <b>2018</b> , 167, 370-383	7	8
28	Natural convection in symmetrically heated vertical channels. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 134, 530-540	4.1	12
27	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> , <b>2017</b> , 109, 835-843	4.9	1
26	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> , <b>2017</b> , 114, 958-969	4.9	10
25	The use of lightweight aggregate saturated with PCM as a temperature stabilizing material for road surfaces. <i>Applied Thermal Engineering</i> , <b>2015</b> , 81, 313-324	5.8	37
24	The external walls of a passive building: A classification and description of their thermal and optical properties. <i>Energy and Buildings</i> , <b>2014</b> , 69, 93-102	7	16
23	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> , <b>2014</b> , 78, 1232-1242	4.9	16
22	Attempts of Thermal Imaging Camera Usage in Estimations of the Convective Heat Loss From a Vertical Plate. <i>MATEC Web of Conferences</i> , <b>2014</b> , 18, 03002	0.3	

21	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> , <b>2013</b> , 20, 93-107	1.3	7
20	Study of free convective boundary layer of isothermal lateral surface of axisymmetrical horizontal body. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 3421-3429	4.5	0
19	Experimental verification of natural convective heat transfer phenomenon from isothermal cuboids. <i>Experimental Thermal and Fluid Science</i> , <b>2008</b> , 32, 1034-1038	3	9
18	Experimental Investigations of Natural Convection from Circular Plates at Variable Inclination. <i>Journal of Thermophysics and Heat Transfer</i> , <b>2007</b> , 21, 813-816	1.3	2
17	The Effect of Plate Size on the Natural Convective Heat Transfer Intensity of Horizontal Surfaces. <i>Heat Transfer Engineering</i> , <b>2005</b> , 26, 50-53	1.7	9
16	Free Convective Heat Transfer Structures as a Function of the Width of Isothermal Horizontal Rectangular Plates. <i>Heat Transfer Engineering</i> , <b>2005</b> , 26, 042-050	1.7	6
15	A theoretical consideration of a free convective boundary layer on an isothermal horizontal conic. <i>Applied Mathematical Modelling</i> , <b>2004</b> , 28, 305-321	4.5	3
14	Study of free convective heat transfer from horizontal conic. <i>International Journal of Heat and Mass Transfer</i> , <b>2003</b> , 46, 4925-4934	4.9	5
13	Natural convective heat transfer from isothermal cuboids. <i>International Journal of Heat and Mass Transfer</i> , <b>2003</b> , 46, 2169-2178	4.9	13
12	Natural convective heat-transfers from an isothermal horizontal hemispherical cavity. <i>Applied Energy</i> , <b>2002</b> , 73, 261-275	10.7	28
11	Heat transfer by free convection from an isothermal vertical round plate in unlimited space. <i>Applied Energy</i> , <b>2001</b> , 68, 187-201	10.7	15
10	Heat transfer by natural convection from an isothermal downward-facing round plate in unlimited space. <i>Applied Energy</i> , <b>2001</b> , 68, 347-366	10.7	54
9	Free convection heat transfer and fluid flow above horizontal rectangular plates. <i>Applied Energy</i> , <b>2000</b> , 66, 177-197	10.7	40
8	Natural convective heat transfer from isothermal conic. <i>International Journal of Heat and Mass Transfer</i> , <b>1999</b> , 42, 1895-1907	4.9	11
7	Natural convection heat transfer from complex surface. <i>International Journal of Heat and Mass Transfer</i> , <b>1998</b> , 41, 1857-1868	4.9	19
6	Theoretical and experimental study of natural convection heat transfer from isothermal hemisphere. <i>International Journal of Heat and Mass Transfer</i> , <b>1996</b> , 40, 101-109	4.9	28
5	The limitation of heat losses from horizontal surfaces by a layer of open hexagonal cells. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>1996</b> , 35, 195-201	3.7	2
4	Heat transfer from polygonal horizontal isothermal surfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>1994</b> , 37, 855-864	4.9	8

- |   |  |     |    |
|---|--|-----|----|
| 3 | Reduction of convective heat transfer losses from flat surfaces. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>1992</b> , 31, 331-335         | 3-7 | 2  |
| 2 | Influence of cylindrical screens on free convection heat transfer from a horizontal plate. <i>International Journal of Heat and Fluid Flow</i> , <b>1991</b> , 12, 92-94 | 2-4 | 6  |
| 1 | Natural convection heat transfer from plates of finite dimensions. <i>International Journal of Heat and Mass Transfer</i> , <b>1991</b> , 34, 875-885                    | 4-9 | 32 |