

# Slawomir Blasiak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1116897/publications.pdf>

Version: 2024-02-01

35  
papers

493  
citations

759233

12  
h-index

677142

22  
g-index

36  
all docs

36  
docs citations

36  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	A parametric and dynamic analysis of non-contacting gas face seals with modified surfaces. Tribology International, 2016, 94, 126-137.	5.9	65
2	An analytical approach to heat transfer and thermal distortions in non-contacting face seals. International Journal of Heat and Mass Transfer, 2015, 81, 90-102.	4.8	41
3	Determining the Static Characteristics of Pneumatic Muscles. Measurement and Control, 2016, 49, 62-71.	1.8	40
4	Design of a 3-DOF tripod electro-pneumatic parallel manipulator. Robotics and Autonomous Systems, 2015, 72, 59-70.	5.1	39
5	Direct and inverse heat transfer in non-contacting face seals. International Journal of Heat and Mass Transfer, 2015, 90, 710-718.	4.8	36
6	Parametric analysis of heat transfer in non-contacting face seals. International Journal of Heat and Mass Transfer, 2013, 57, 22-31.	4.8	35
7	A Numerical Analysis of the Grooved Surface Effects on the Thermal Behavior of a Non-Contacting Face Seal. Procedia Engineering, 2012, 39, 315-326.	1.2	34
8	Time-fractional heat transfer equations in modeling of the non-contacting face seals. International Journal of Heat and Mass Transfer, 2016, 100, 79-88.	4.8	33
9	A fuzzy logic controller for the positioning control of an electro-pneumatic servo-drive. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 1335-1343.	1.0	27
10	Heat transfer and thermal deformations in non-contacting face seals. Journal of Thermal Science and Technology, 2014, 9, JTST0011-JTST0011.	1.1	21
11	Fractional relaxation model of materials obtained with selective laser sintering technology. Rapid Prototyping Journal, 2019, 25, 76-86.	3.2	19
12	A Numerical Analysis of the Temperature Distributions in Face Sealing Rings. Procedia Engineering, 2012, 39, 366-378.	1.2	14
13	Influence of the Cutting Strategy on the Temperature and Surface Flatness of the Workpiece in Face Milling. Materials, 2020, 13, 4542.	2.9	11
14	Stress Relaxation and Creep of a Polymer-Aluminum Composite Produced through Selective Laser Sintering. Polymers, 2020, 12, 830.	4.5	11
15	The two dimensional thermohydrodynamic analysis of a lubrication in non-contacting face seals. Journal of Thermal Science and Technology, 2015, 10, JTST0016-JTST0016.	1.1	9
16	Rapid Prototyping of Pneumatic Directional Control Valves. Polymers, 2021, 13, 1458.	4.5	9
17	Geometry, Structure and Surface Quality of a Maraging Steel Milling Cutter Printed by Direct Metal Laser Melting. Materials, 2022, 15, 773.	2.9	8
18	Determination of the temperature distribution in a minichannel using ANSYS CFX and a procedure based on the Trefftz functions. EPJ Web of Conferences, 2017, 143, 02071.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Influence of the cutting parameters on the workpiece temperature during face milling. EPJ Web of Conferences, 2017, 143, 02082.	0.3	5
20	Influence of the Milling Conditions of Aluminium Alloy 2017A on the Surface Roughness. Materials, 2022, 15, 3626.	2.9	5
21	Influence of Thermoelastic Phenomena on the Energy Conservation in Non-Contacting Face Seals. Energies, 2020, 13, 5283.	3.1	4
22	Model tests of wind turbine with a vertical axis of rotation type Lenz 2. EPJ Web of Conferences, 2017, 143, 02150.	0.3	3
23	Experimental and simulation flow rate analysis of the 3/2 directional pneumatic valve. EPJ Web of Conferences, 2017, 143, 02008.	0.3	3
24	Numerical analysis of the non-contacting gas face seals. IOP Conference Series: Materials Science and Engineering, 2017, 233, 012032.	0.6	3
25	Determination of flow-rate characteristics and parameters of piezo pilot valves. EPJ Web of Conferences, 2017, 143, 02126.	0.3	3
26	Heat Transfer Analysis for Non-Contacting Mechanical Face Seals Using the Variable-Order Derivative Approach. Energies, 2021, 14, 5512.	3.1	3
27	THE CREEP OF MATERIAL OBTAINED USING SLS TECHNOLOGY. MM Science Journal, 2020, 2020, 3774-3778.	0.4	3
28	Time-Fractional Fourier Law in a finite hollow cylinder under Gaussian-distributed heat flux. EPJ Web of Conferences, 2018, 180, 02008.	0.3	1
29	Numerical modelling and comparison analysis of pressure distribution in the gas film for non-contacting face seals. EPJ Web of Conferences, 2019, 213, 02005.	0.3	1
30	Numerical modeling and analysis of the noncontacting impulse gas face seals. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 1139-1153.	1.8	1
31	Numerical calculations of the thermal deformations of the rectangular minichannel walls. EPJ Web of Conferences, 2016, 114, 02096.	0.3	0
32	Study of the effect of temperature on the positioning accuracy of the pneumatic muscles. EPJ Web of Conferences, 2017, 143, 02065.	0.3	0
33	Aerodynamics simulation studies on the observation head placed on a board of the unmanned aerial vehicle. EPJ Web of Conferences, 2017, 143, 02057.	0.3	0
34	The influence of physical properties of materials used for slide rings on the process of heat transfer in the non-contacting face seals. EPJ Web of Conferences, 2017, 143, 02009.	0.3	0
35	The simulation tests of the flow in the device stabilizing the working pressure of the cement slurry. EPJ Web of Conferences, 2019, 213, 02061.	0.3	0