

# Jakub Krzysztof Grabski

## List of Publications by Year in descending order

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42  
papers

443  
citations

686830

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752256

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g-index

43  
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43  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A space-time generalized finite difference method for solving unsteady double-diffusive natural convection in fluid-saturated porous media. <i>Engineering Analysis With Boundary Elements</i> , 2022, 142, 138-152.	2.0	8
2	On the sources placement in the method of fundamental solutions for time-dependent heat conduction problems. <i>Computers and Mathematics With Applications</i> , 2021, 88, 33-51.	1.4	15
3	Estimation of the Compressive Strength of Corrugated Cardboard Boxes with Various Perforations. <i>Energies</i> , 2021, 14, 1095.	1.6	29
4	Full-Field Measurements in the Edge Crush Test of a Corrugated Board – Analytical and Numerical Predictive Models. <i>Materials</i> , 2021, 14, 2840.	1.3	13
5	Identification of elastoplastic properties of rods from torsion test using meshless methods and a metaheuristic. <i>Computers and Mathematics With Applications</i> , 2021, 92, 149-158.	1.4	9
6	Elastic – plastic torsion problem with non-linear hardenings using the method of fundamental solution. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	4
7	A meshless generalized finite difference method for solving shallow water equations with the flux limiter technique. <i>Engineering Analysis With Boundary Elements</i> , 2021, 131, 159-173.	2.0	24
8	Estimation of the Compressive Strength of Corrugated Cardboard Boxes with Various Openings. <i>Energies</i> , 2021, 14, 155.	1.6	31
9	A meshless procedure for analysis of fluid flow and heat transfer in an internally finned square duct. <i>Heat and Mass Transfer</i> , 2020, 56, 639-649.	1.2	6
10	Torsional and Transversal Stiffness of Orthotropic Sandwich Panels. <i>Materials</i> , 2020, 13, 5016.	1.3	31
11	Role of Transverse Shear Modulus in the Performance of Corrugated Materials. <i>Materials</i> , 2020, 13, 3791.	1.3	28
12	The Role of Buckling in the Estimation of Compressive Strength of Corrugated Cardboard Boxes. <i>Materials</i> , 2020, 13, 4578.	1.3	38
13	Height of the Countermovement Vertical Jump Determined Based on the Measurements Coming from the Motion Capture System. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 190-199.	0.5	0
14	Assessment of Clinical Variables Importance with the Use of Neural Networks by the Example of Thyroid Blood Test Parameters. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 36-46.	0.5	0
15	Numerical solution of non-Newtonian fluid flow and heat transfer problems in ducts with sharp corners by the modified method of fundamental solutions and radial basis function collocation. <i>Engineering Analysis With Boundary Elements</i> , 2019, 109, 143-152.	2.0	9
16	Determination of the Slip Constant in the Beavers-Joseph Experiment for Laminar Fluid Flow through Porous Media Using a Meshless Method. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-12.	0.6	12
17	Influence of the Most Important Elements of the Prosthesis on Biomechanics of the Human Gait After Amputation of the Lower Limb. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 342-356.	0.3	0
18	Moving pseudo-boundary method of fundamental solutions for nonlinear potential problems. <i>Engineering Analysis With Boundary Elements</i> , 2019, 105, 78-86.	2.0	10

#	ARTICLE	IF	CITATIONS
19	Application of Artificial Neural Networks in the Human Identification Based on Thermal Image of Hands. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 114-122.	0.5	2
20	On Different Methods for Calculating the Flight Height in the Vertical Countermovement Jump Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 242-251.	0.5	0
21	Application of the Motion Capture System in the Biomechanical Analysis of the Injured Knee Joint. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 257-265.	0.3	0
22	Estimation of Apnea-Hypopnea Index in Sleep Breathing Disorders with the Use of Artificial Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 96-106.	0.5	0
23	Artificial neural networks in knee injury risk evaluation among professional football players. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
24	Comparison of some evolutionary algorithms for optimization of the path synthesis problem. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
25	Laminar fluid flow and heat transfer in an internally corrugated tube by means of the method of fundamental solutions and radial basis functions. <i>Computers and Mathematics With Applications</i> , 2018, 75, 1413-1433.	1.4	14
26	Many names of the Trefftz method. <i>Engineering Analysis With Boundary Elements</i> , 2018, 96, 169-178.	2.0	40
27	Gender recognition using artificial neural networks and data coming from force plates. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 53-60.	0.5	3
28	HAMSTRING/QUADRICEPS RATIO IN ACL INJURY PREDICTION IN ELITE FOOTBALL PLAYERS. <i>British Journal of Sports Medicine</i> , 2017, 51, 326.1-326.	3.1	0
29	Computer simulation of the effective viscosity in Brinkman filtration equation using the Trefftz method. <i>Journal of Mechanics of Materials and Structures</i> , 2017, 12, 93-106.	0.4	14
30	Discussion about different cut-off values of conventional hamstring-to-quadriceps ratio used in hamstring injury prediction among professional male football players. <i>PLoS ONE</i> , 2017, 12, e0188974.	1.1	19
31	Comparison of different approaches in the Trefftz method for analysis of fluid flow between regular bundles of cylindrical fibres. <i>Journal of Physics: Conference Series</i> , 2016, 760, 012019.	0.3	0
32	Fluid flow and heat transfer of a power-law fluid in an internally finned tube with different fin lengths. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
33	Laminar flow of a power-law fluid between corrugated plates. <i>Journal of Mechanics of Materials and Structures</i> , 2016, 11, 23-40.	0.4	10
34	Analysis of Carreau fluid flow between corrugated plates. <i>Computers and Mathematics With Applications</i> , 2016, 72, 1501-1514.	1.4	13
35	Generalized Newtonian fluid flow through fibrous porous media. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
36	About some application of special purpose Trefftz function for determination of effective viscosity in filtration equation. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1

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37	Numerical and experimental investigations of the dynamics of a variable mass pendulum. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 2124-2132.	1.1	0
38	Application of meshless procedure for the peristaltic flow analysis. Engineering Analysis With Boundary Elements, 2016, 63, 125-133.	2.0	13
39	Identification of a time-dependent bio-heat blood perfusion coefficient. International Communications in Heat and Mass Transfer, 2016, 75, 218-222.	2.9	18
40	The Recognition of Human by the Dynamic Determinants of the Gait with Use of ANN. Springer Proceedings in Mathematics and Statistics, 2016, , 375-385.	0.1	3
41	Comparison of Selected Meshless Methods for Analysis of Steady, Fully-Developed, Laminar Flow of an Incompressible Newtonian Fluid in Internally Finned Tubes. Applied Mechanics and Materials, 2015, 797, 274-281.	0.2	0
42	Application of the method of fundamental solutions and the radial basis functions for viscous laminar flow in wavy channel. Engineering Analysis With Boundary Elements, 2015, 57, 58-65.	2.0	17