

Tomasz Bartkowiak

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

425
citations

840776

11
h-index

752698

20
g-index

35
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docs citations

35
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting lithic edge characterization with microCT: multiscale study of edge curvature, re-entrant features, and profile geometry on Olduvai Gorge quartzite flakes. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, 1.	1.8	14
2	Dynamic model of a logistic train with different steering systems and tire models. <i>Latin American Journal of Solids and Structures</i> , 2021, 18, .	1.0	1
3	Application of a simulation model to the prognosis of material loss in wood processing. <i>PLoS ONE</i> , 2021, 16, e0246325.	2.5	1
4	Multiscale Analysis of Surface Texture Quality of Models Manufactured by Laser Powder-Bed Fusion Technology and Machining from 316L Steel. <i>Materials</i> , 2021, 14, 2794.	2.9	21
5	Kinematic Model of a Logistic Train with a Double Ackermann Steering System. <i>International Journal of Simulation Modelling</i> , 2021, 20, 243-254.	1.3	4
6	Contact angle analysis of surface topographies created by electric discharge machining. <i>Tribology International</i> , 2021, 163, 107139.	5.9	31
7	Discharge Energy as a Key Contributing Factor Determining Microgeometry of Aluminum Samples Created by Electrical Discharge Machining. <i>Crystals</i> , 2021, 11, 1371.	2.2	13
8	Discrimination of Surface Topographies Created by Two-Stage Process by Means of Multiscale Analysis. <i>Materials</i> , 2021, 14, 7044.	2.9	2
9	Mechanical Performance of a Polyaxial Locking Plate and the Influence of Screw Angulation in a Fracture Gap Model. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2020, 33, 036-044.	0.5	10
10	3D multiscale curvature analysis of tool edges as an indicator of cereal harvesting intensity. <i>Journal of Archaeological Science: Reports</i> , 2020, 33, 102523.	0.5	6
11	How Do the Locking Screws Lock? A Micro-CT Study of 3.5-mm Locking Screw Mechanism. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2020, 33, 316-326.	0.5	6
12	Analysis of Surface Microgeometry Created by Electric Discharge Machining. <i>Materials</i> , 2020, 13, 3830.	2.9	25
13	Influence of microgeometry of iron surface on the oxidation process – A comparison of multiscale geometric methods and their applicability. <i>Applied Surface Science</i> , 2020, 527, 146838.	6.1	11
14	Multiscale Characterizations of Surface Anisotropies. <i>Materials</i> , 2020, 13, 3028.	2.9	21
15	A design of an automated compact positioning system for workpiece positioning in machine tool workspace. <i>Procedia CIRP</i> , 2019, 81, 186-191.	1.9	0
16	Automated System for Workpiece Leveling on a Machine Tool. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 25-36.	0.4	0
17	Multiscale 3D Curvature Analysis of Processed Surface Textures of Aluminum Alloy 6061 T6. <i>Materials</i> , 2019, 12, 257.	2.9	18
18	Novel approach to semi-automated warehouse for manufacturing: design and simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 591, 012040.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Kinematic model of multiple trailers on a tractor system for production logistics applications. Archives of Mechanical Technology and Materials, 2019, 39, 16-25.	0.3	3
20	Establishing functional correlations between multiscale areal curvatures and coefficients of friction for machined surfaces. Surface Topography: Metrology and Properties, 2018, 6, 034002.	1.6	16
21	A Simulative Study Approach for Improving the Efficiency of Production Process of Floorboard Middle Layer. Lecture Notes in Mechanical Engineering, 2018, , 13-22.	0.4	2
22	A Characterization of Processâ€œSurface Texture Interactions in Micro-Electrical Discharge Machining Using Multiscale Curvature Tensor Analysis. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	21
23	Multiscale analyses and characterizations of surface topographies. CIRP Annals - Manufacturing Technology, 2018, 67, 839-862.	3.6	137
24	Application of Order Statistics in the Evaluation of Flatness Error: Sampling Problem. , 2017, , .		1
25	Novel Type of Biaxial Wheel-Type Haptic Input Device With MR-Brakes to Control Hydraulic Multi-Axis Manipulators. , 2017, , .		1
26	Characterization of 3D Surface Texture Directionality Using Multi-Scale Curvature Tensor Analysis. , 2017, , .		0
27	Reducing negative impact of machine failures on performance of filling and packaging production line - a simulative study. , 2016, , .		7
28	Multi-scale curvature tensor analysis of machined surfaces. Archives of Mechanical Technology and Materials, 2016, 36, 44-50.	0.3	7
29	Improving the performance of a filling line based on simulation. IOP Conference Series: Materials Science and Engineering, 2016, 145, 042024.	0.6	17
30	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.	2.1	0
31	Validation of simulation model of the filling line failures / Walidacja modelu symulacyjnego uszkodzeÅ„ linii napeÅ„niania. Journal of KONBiN, 2016, 38, 179-200.	0.4	2
32	Kinematics of a Novel Type Positioning Table for Cast Alignment on Machine Tool. , 2015, , .		3
33	Computer-aided alignment of castings and machining optimization. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 485-492.	2.1	8
34	Modeling Performance of a Production Line and Optimizing Its Efficiency by Means of Genetic Algorithm. , 2014, , .		8
35	What Is the Cost of Off-Axis Insertion of Locking Screws? A Biomechanical Comparison of a 3.5â€œmm Fixed-Angle and 3.5â€œmm Variable-Angle Stainless Steel Locking Plate Systems. Veterinary and Comparative Orthopaedics and Traumatology, 0, , .	0.5	7