

# Miroslaw Rucki

## List of Publications by Year in descending order

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96  
papers

483  
citations

687220

13  
h-index

887953

17  
g-index

104  
all docs

104  
docs citations

104  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of europium, cobalt and strontium from water solutions using MnO(OH)-modified diatomite. Journal of Environmental Chemical Engineering, 2022, 10, 106944.	3.3	9
2	Real-time monitoring of the rubber belt tension in an industrial conveyor. Reports in Mechanical Engineering, 2022, 3, 1-10.	4.9	4
3	Removing Auxetic Properties in f.c.c. Hard Sphere Crystals by Orthogonal Nanochannels with Hard Spheres of Another Diameter. Materials, 2022, 15, 1134.	1.3	11
4	Synthesis of TiO <sub>2</sub> nanoparticles out of fluoride solutions. Journal of Materials Research and Technology, 2022, 17, 2267-2279.	2.6	4
5	Po co mieszkaÅ„cy Jerozolimy krzyczeli â€œHosannaâ€?. Scriptura Sacra, 2022, , 209-225.	0.0	0
6	DESIGN AND CALIBRATION OF THE SYSTEM SUPERVISING BELT TENSION AND WEAR IN AN INDUSTRIAL FEEDER. Facta Universitatis, Series: Mechanical Engineering, 2022, 20, 167.	2.3	2
7	Iluzje polityczne stwarzane przez misjonarzy wÅrÃ³d AsyryjczykÃ³w w Hakkari: opis dziaÅ„alnoÅ„ci misyjnej sporzÃ„dzony przez R. Termena. Teologia I CzÅ„owiek, 2022, 57, 103-123.	0.0	0
8	Investigation of deep learning models on identification of minimum signal length for precise classification of conveyor rubber belt loads. Advances in Mechanical Engineering, 2022, 14, 168781322211027.	0.8	6
9	Study on the sorption properties of (NH <sub>4</sub> ) <sub>2</sub> TiOF <sub>4</sub> particles. Chemical Engineering Journal, 2022, 447, 137559.	6.6	2
10	Part decomposition efficiency expectation evaluation in additive manufacturing process planning. International Journal of Production Research, 2021, 59, 6745-6757.	4.9	4
11	Concept and assessment of the novel design of tribological tester. Measurement: Journal of the International Measurement Confederation, 2021, 170, 108724.	2.5	6
12	Sintered nanocomposites ZrO <sub>2</sub> -WC obtained with field assisted hot pressing. Composite Structures, 2021, 259, 113443.	3.1	12
13	Uptake of Radionuclides <sup>60</sup> Co, <sup>137</sup> Cs, and <sup>90</sup> Sr with Î±-Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> Particles from Aqueous Environment. Materials, 2021, 14, 2899.	1.3	7
14	Feasibility of Cobalt-Free Nanostructured WC Cutting Inserts for Machining of a TiC/Fe Composite. Materials, 2021, 14, 3432.	1.3	14
15	Temperature Field During the Hot Pressing of Ceramic Gas Turbine Components. , 2021, , .		0
16	Fast and Precise Non-Contact Measurement of Cylindrical Surfaces with Air Gauges. Materials, 2021, 14, 3728.	1.3	3
17	Wear Resistance of the Glass-Fiber Reinforced Polymer Composite with the Addition of Quartz Filler. Materials, 2021, 14, 3825.	1.3	4
18	A novel automatic mass comparator with a resolution of 10Ång for calibration of masses below 2Åmg. Precision Engineering, 2021, 72, 576-582.	1.8	1

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19	A new MAX phases-based electroconductive coating for high-temperature oxidizing environment. <i>Composite Structures</i> , 2021, 277, 114649.	3.1	16
20	Wear Resistance Improvement of Cemented Tungsten Carbide Deep-Hole Drills after Ion Implantation. <i>Materials</i> , 2021, 14, 239.	1.3	23
21	Analysis of the Electroconsolidation Process of Fine-Dispersed Structures Out of Hot Pressed Al <sub>2</sub> O <sub>3</sub> â€“WC Nanopowders. <i>Materials</i> , 2021, 14, 6503.	1.3	14
22	Effect of SiC Addition to Al <sub>2</sub> O <sub>3</sub> Ceramics Used in Cutting Tools. <i>Materials</i> , 2020, 13, 5195.	1.3	18
23	Formation of TiO <sub>2</sub> particles during thermal decomposition of Ti(NO <sub>3</sub> ) <sub>4</sub> , TiOF <sub>2</sub> and TiOSO <sub>4</sub> . <i>Journal of Materials Research and Technology</i> , 2020, 9, 12201-12212.	2.6	16
24	Performance of Maraging Steel Sleeves Produced by SLM with Subsequent Age Hardening. <i>Materials</i> , 2020, 13, 3408.	1.3	7
25	Effect of Yttrium and Rhenium Ion Implantation on the Performance of Nitride Ceramic Cutting Tools. <i>Materials</i> , 2020, 13, 4687.	1.3	6
26	Accuracy of the pneumatic follower for the wooden surface quality assessment. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 1149-1159.	1.3	5
27	Novel Microwave-Assisted Method of Y <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> Powder Synthesis. <i>Materials</i> , 2020, 13, 5621.	1.3	6
28	Repeatability of High-Pressure Measurement in a Diesel Engine Test Bed. <i>Sensors</i> , 2020, 20, 3478.	2.1	10
29	Investigation of influence of aircraft propeller modal parameters on small airplane performance. <i>Eksploatacja I Niezawodnosc</i> , 2020, 22, 1-5.	1.1	6
30	Nanoscale composites based on Al <sub>2</sub> O <sub>3</sub> and SiC prepared by electroconsolidation method. , 2020, , .		0
31	Dynamics of in-process control with non-contact air gauges. <i>Reports in Mechanical Engineering</i> , 2020, 1, 180-186.	4.9	1
32	SĂ...d BoĂ...y w Biblii jako pozytywne wyczekiwane doĂ...wiadczenie. <i>Scriptura Sacra</i> , 2020, , 111-130.	0.0	0
33	Kontekst i przebieg noworocznej liturgii rodzinnej judaizmu w Ă...wietle ksiĂ...gi Sefer habrachot. <i>Liturgia Sacra</i> , 2020, 55, 167-185.	0.0	0
34	Program formacyjny Ruchu Wiernych Serc jako propozycja sposobu wyjĂ...cia z kryzysu. <i>Teologia I CzĂ...owiek</i> , 2020, 51, 179.	0.0	1
35	Pisarze asyryjscy w wykazie metropolity Mar Abdiszo (XIII w.). <i>Teologia I CzĂ...owiek</i> , 2020, 51, 199.	0.0	0
36	Synthesis of Zinc, Copper, Cadmium, and Iron Sulfides and Their Sorption Properties. , 2020, , 5-66.		0

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37	Formation and Sorption Properties of Iron Oxides and Manganese Oxyhydroxide. , 2020, , 67-98.		0
38	Computer approximation of air gauge dynamic characteristics using the sine input test rig. MATEC Web of Conferences, 2019, 252, 02002.	0.1	0
39	Application of Acoustic Emission Signals Pattern Recognition for a Firearm Identification. Lecture Notes in Mechanical Engineering, 2019, , 11-24.	0.3	1
40	Uncertainty of Sine Input Calibration Apparatus for the Air Gauges. Lecture Notes in Mechanical Engineering, 2019, , 82-94.	0.3	0
41	Composite material for instrumental applications based on micro powder Al <sub>2</sub> O <sub>3</sub> with additives nano-powder SiC. International Journal of Refractory Metals and Hard Materials, 2019, 82, 336-339.	1.7	24
42	Extraction of radionuclides of cerium, europium, cobalt and strontium with Mn <sub>3</sub> O <sub>4</sub> , MnO <sub>2</sub> , and MNOOH sorbents. Chemical Engineering Research and Design, 2019, 125, 157-163.	2.7	22
43	Composite materials based on fine-dispersed Al <sub>2</sub> O <sub>3</sub> with enhanced physical and mechanical properties. Journal of Physics: Conference Series, 2019, 1347, 012046.	0.3	1
44	Durability and exploitation performance of cutting tools made out of chromium oxide nanocomposite materials. Eksploatacja I Niezawodnosc, 2019, 21, 686-691.	1.1	3
45	STUDY OF THE GEOMETRY OF GRINDING MACHINES USED FOR LARGE SCALE CRANKSHAFT MACHINING. Cutting & Tools in Technological System, 2019, .	0.1	1
46	TRIBOLOGICAL TESTS OF THE CERAMIC CUTTING TOOLS AFTER YTTRIUM (Y+) AND RHENIUM (Re+) ION IMPLANTATION. Tribologia, 2019, 285, 71-77.	0.0	2
47	Phase formation in the SiC-Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> system during hot pressing by the method of electroconsolidation. Functional Materials, 2019, 26, 78-82.	0.4	0
48	Znaczenie rytuału w paschalnej liturgii rodzinnej w świetle księgi „Sefer habrachot”. Ruch Biblijny I Liturgiczny, 2019, 72, .	0.3	0
49	Klasztory jako ośrodki działalności pisarzy syriackich. Studia Teologiczno-Historyczne Śląska Opolskiego, 2019, 36, 129-152.	0.1	0
50	Iluzje polityczne stwarzane przez misjonarzy w Asyryjczyków w Hakkari: relacja R. Termena i jej kontekst polityczno-religijny. Teologia I Czołowiek, 2019, 46, 153.	0.0	1
51	Drill Base Body Fabricated with Additive Manufacturing Technology: Structure, Strength, and Reliability. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	0
52	Hot Pressing of Tungsten Monocarbide Nanopowder Mixtures by Electroconsolidation. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	0
53	Zerwanie szóstej pieczęci i „dzień wielki gniewu ich” (Ap 6, 17). Ruch Biblijny I Liturgiczny, 2019, 72, 293-309.		0
54	Air gauge back-pressure uncertainty estimation for the advanced test rig. International Journal of Materials and Product Technology, 2018, 57, 274.	0.1	4

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55	Pneumatic follower for the wooden surface quality assessment. Journal of Physics: Conference Series, 2018, 1065, 142012.	0.3	0
56	Application of the microscopic and Mössbauer studies to the analysis of a marine diesel engine crankshaft. Journal of Marine Engineering and Technology, 2018, 17, 160-167.	1.9	5
57	Ion implantation of the tool's rake face for machining of the Ti-6Al-4V alloy. Journal of Manufacturing Processes, 2018, 34, 274-280.	2.8	19
58	Internal Stresses Analysis in the Shrink-Fitted Joints of the Assembled Crankshafts. Lecture Notes in Mechanical Engineering, 2018, , 633-640.	0.3	2
59	Cutting Capacity and Wear Resistance of Cr <sub>2</sub> O <sub>3</sub> -AlN Nanocomposite Ceramic Obtained by Field Activated Sintering Technique (Fast). Advances in Materials Science, 2018, 18, 15-21.	0.4	2
60	Air gauge back-pressure uncertainty estimation for the advanced test rig. International Journal of Materials and Product Technology, 2018, 57, 274.	0.1	0
61	Liturgia powitania szabatu a relacje rodzinne. Ruch Biblijny I Liturgiczny, 2018, 71, 139.	0.3	0
62	Wear Resistance of the Cermet Cutting Tools After Aluminum (Al <sup>+</sup> ) and Nitrogen (N <sup>+</sup> ) Ion Implantation. Advances in Materials Science, 2018, 18, 92-99.	0.4	1
63	Eucharystyczne trwanie z perspektywy nauk ÅcisÅych. Teologia I CzÅowiek, 2018, 43, 81.	0.0	0
64	Uncertainty of the air gauge test rig. International Journal of Precision Engineering and Manufacturing, 2017, 18, 479-485.	1.1	10
65	Ceramic cutting tools out of nanostructured refractory compounds. International Journal of Refractory Metals and Hard Materials, 2017, 68, 142-144.	1.7	19
66	Metallurgical quality evaluation of the wind turbine main shaft 42CrMo4 steel: microscopic and Mössbauer studies. Nukleonika, 2017, 62, 171-176.	0.3	5
67	Comparison of the Models of the Air Gauge Static Characteristics. Archive of Mechanical Engineering, 2017, 64, 93-110.	0.7	3
68	Synthesis of Nanopowders and Consolidation of Nanoceramics of Various Applications. Journal of Advances in Nanomaterials, 2017, 2, .	0.4	4
69	Does dying mean exclusion?. Colloquia Theologica Ottoniana, 2017, 2, 179-195.	0.1	0
70	KsiÅ™ga "Sefer habrachot" do Åydowskiej liturgii domowej. Liturgia Sacra, 2017, 51, 93-104.	0.0	1
71	Asyryjczycy Å“ narÅ³d, jÅ™zyk, wiara. Teologia I CzÅowiek, 2017, 39, 199.	0.0	0
72	Structure formation of hot pressed Al <sub>2</sub> O <sub>3</sub> powders under the alternating electric current: experimental observations. Advanced Materials Letters, 2017, 8, 945-949.	0.3	1

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73	Air Gauge Characteristics Linearity Improvement. Journal of Control Science and Engineering, 2016, 2016, 1-7.	0.8	5
74	Dynamics of the Non-Contact Roundness Measurement with Air Gages. Acta Mechanica Et Automatica, 2016, 10, 227-232.	0.3	3
75	Static Characteristics of Air Gauges Applied in the Roundness Assessment. Metrology and Measurement Systems, 2016, 23, 85-96.	1.4	15
76	Plastic Deformations of Measured Object Surface in Contact with Undeformable Surface of Measuring Tool. Measurement Science Review, 2016, 16, 254-259.	0.6	16
77	Wychowanie do czystości w Prawie Mojżeszowym. Roczniki Pedagogiczne, 2016, 8(44), 101-119.	0.1	1
78	Air gauging: measurements of cylindrical surfaces. , 2016, , 105-108.	0.2	0
79	Air gauging: laboratory investigations on measurements of cylindrical surfaces. , 2016, , 186-190.	0.2	0
80	„Nie gotuj kołtka w mleku jego matki” czy „nie mieszaj potraw młsnych z nabiaem”. Teologia I Człowiek, 2016, 32, 145.	0.0	0
81	Sześć dni stworzenia „ Heksaameron. Teologia I Człowiek, 2016, 33, 85.	0.0	1
82	Variations of the time constant within the measuring range of an air gauge. , 2015, , 193/228-193/237.	0.2	0
83	Technological obstacles of the evolution driven by natural selection. , 2015, , 195/309-195/316.	0.2	0
84	Jajka wielkanocne w początkach chrześcijaństwa. Teologia I Człowiek, 2015, 29, 295.	0.0	2
85	Dynamic Properties of Small Chamber Air Gages. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	6
86	Mathematical Model of Dynamic Work Conditions in the Measuring Chamber of an Air Gauge. Metrology and Measurement Systems, 2012, 19, 29-38.	1.4	2
87	Air gauges as a part of the dimensional inspection systems. Measurement: Journal of the International Measurement Confederation, 2010, 43, 83-91.	2.5	18
88	Correction of the metrological properties of the pneumatic length measuring gauges through changes of the measuring nozzle head surface shape. Measurement: Journal of the International Measurement Confederation, 2010, 43, 1217-1227.	2.5	9
89	Reduction of Uncertainty in Air Gauge Adjustment Process. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 52-57.	2.4	5
90	Analysis of air gage inaccuracy caused by flow instability. Measurement: Journal of the International Measurement Confederation, 2008, 41, 655-661.	2.5	20

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91	The roundness deviation measurement with CMM. , 2008, , .		11
92	Analysis of Digitizing and Traditional Measuring System at Surface Measurement of Lids. Key Engineering Materials, 2008, 381-382, 217-220.	0.4	2
93	Analysis of CMM Accuracy in the Measurement of Roundness. , 2008, , .		2
94	Dimensional Inspection Systems Based on Air Gauges. , 2008, , .		0
95	Air Gauge Adjustment Uncertainty Reduction. , 2007, , .		3
96	Uncertainty in CMM Measurement of Roundness. , 2007, , .		3