Tadeusz Knych

List of Publications by Year in descending order

49 papers	230 citations	1163117 8 h-index	1058476 14 g-index
50 all docs	50 docs citations	50 times ranked	310 citing authors

#	Article	IF	Citations
1	Antimicrobial Properties of Selected Copper Alloys on Staphylococcus aureus and Escherichia coli in Different Simulations of Environmental Conditions: With vs. without Organic Contamination. International Journal of Environmental Research and Public Health, 2017, 14, 813.	2.6	37
2	Impact of oxidation of copper and its alloys in laboratory-simulated conditions on their antimicrobial efficiency. Corrosion Science, 2018, 140, 321-332.	6.6	32
3	Studies on the Process of Heat Treatment of Conductive AlZr Alloys Obtained in Various Productive Processes. Archives of Metallurgy and Materials, 2011, 56, .	0.6	21
4	Characterization of Nanocarbon Copper Composites Manufactured in Metallurgical Synthesis Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 1196-1203.	2.1	18
5	Fabrication, Properties and Microstructures of High Strength and High Conductivity Copper-Silver Wires / Otrzymywanie Oraz WÅ‚asnoÅ›ci I Mikrostruktura Wysokowytrzymałych I Wysoko PrzewodzÄ…cych DrutÃ³w Ze StopÃ³w Cu-Ag. Archives of Metallurgy and Materials, 2012, 57, 1261-1270.	0.6	17
6	Antibiotic resistance, ability to form biofilm and susceptibility to copper alloys of selected staphylococcal strains isolated from touch surfaces in Polish hospital wards. Antimicrobial Resistance and Infection Control, 2017, 6, 80.	4.1	14
7	Effect of Iron Addition to Aluminium on the Structure and Properties of Wires Used for Electrical Purposes. Materials Science Forum, 0, 690, 459-462.	0.3	12
8	New Al-Ag Alloys for Electrical Conductors with Increased Current Carrying Capacity. Archives of Metallurgy and Materials, 2016, 61, 1875-1880.	0.6	12
9	Impact of the Direct Ageing Procedure on the Age Hardening Response of Al-Mg-Si 6101 Alloy. Materials, 2018, 11, 1239.	2.9	8
10	Phenomenology of the creep process ofÂaÂprecipitation-hardenable AlMgSi alloy wires forÂoverhead power lines. Experimental tests. Simulation. Mechanics of Time-Dependent Materials, 2009, 13, 163-181.	4.4	7
11	Fabrication and Cold Drawing of Copper Covetic Nanostructured Carbon Composites/ Otrzymywanie Oraz CiÄ…gnienia KompozytÃ³w Miedzianych Typu Covetic O Strukturze Nanometrycznej. Archives of Metallurgy and Materials, 2014, 59, 1283-1286.	0.6	6
12	Aluminium Alloys with Zirconium Additions, in the Range from 0.05 To 0.32%, Intended for Applications in the Overhead Electrical Power Engineering. Archives of Metallurgy and Materials, 2014, 59, 339-343.	0.6	5
13	Analysis of the strengthening and recrystallization of electrolytic copper (Cu-ETP) and oxygen free copper (Cu-OF). Archives of Civil and Mechanical Engineering, 2019, 19, 186-193.	3.8	5
14	Investigation of the Dendritic Structure Influence on the Electrical and Mechanical Properties Diversification of the Continuously Casted Copper Strand. Materials, 2020, 13, 5513.	2.9	5
15	The Influence of Heat Treatment Parameters on the Electrical Conductivity of AlSi7Mg and AlSi10Mg Aluminum Cast Alloys. , 2012, , 129-135.		5
16	Effect of Selected Alloying Elements on Aluminium Physical Properties and its Effect on Homogenization after Casting. Materials Science Forum, 2013, 765, 471-475.	0.3	3
17	Comparative Characteristics of the AlZr Alloy Materials Electrical and Mechanical Properties. Archives of Metallurgy and Materials, 2014, 59, 633-639.	0.6	3
18	A Study of a New Generation of Multi-Functional Aluminium Alloys for the Power Industry. Materials Science Forum, 0, 690, 439-442.	0.3	2

#	Article	IF	Citations
19	An Sem/Ebsd Study of Shear Bands Formation in Al-0.23%wt.Zr Alloy Deformed in Plane Strain Compression / Krystalograficzne Aspekty Formowania Sie Pasm Scinania W Stopie Al-0.23%Wag.Zr OdkształcaÅ‚anym W PrÃ³bie Nieswobodnego Sciskania. Archives of Metallurgy and Materials, 2013, 58, 145-150.	0.6	2
20	An Analytical Model for the High Temperature Low Sag Conductor Knee Point Determination. Key Engineering Materials, 2015, 641, 173-180.	0.4	2
21	Research into the Impact of Magnesium Content in the AlSi7Mg Aluminum Cast Alloys on the Strength and Electrical Properties of the Material after Different Parameters of Heat Treatment Operations. Key Engineering Materials, 2015, 641, 63-68.	0.4	2
22	Research of Chemical Composition Influence on the Mechanical and Electrical Properties of Al-Mg-Si Wires. Key Engineering Materials, 0, 682, 138-142.	0.4	2
23	Research of the Laboratory Wire Drawing Process of Zinc. Key Engineering Materials, 0, 682, 367-371.	0.4	2
24	Influence of Fe and Si Addition on the Properties and Structure Conductivity Aluminium. Archives of Metallurgy and Materials, 2017, 62, 1541-1547.	0.6	2
25	Electron Microscopy Investigation of Ageing Behavior in a Cuâ€“Niâ€“Si Alloy. Solid State Phenomena, 2012, 186, 267-270.	0.3	1
26	Influence of Casting Velocity on Structure and Properties of AlFe0,5 Alloy. Key Engineering Materials, 0, 641, 56-62.	0.4	1
27	Research into the Aluminum-Zirconium Alloys Dedicated for Electirical Purposes. Key Engineering Materials, 0, 641, 47-55.	0.4	1
28	Researches on the Production of Conductive Aluminium-Graphene Composites. Key Engineering Materials, 2016, 682, 132-137.	0.4	1
29	The Effect of Homogenization and Interrupted Rolling on Microstructure and Properties of Zn-Cu-Ti Rolled Sheets. Key Engineering Materials, 0, 682, 380-386.	0.4	1
30	Semi-Friction Stir Processing the Method for Improvement of the Product Surface Layer. Materials Science Forum, 2011, 690, 83-86.	0.3	0
31	Analysis of the Technology for Manufacturing Heat-Treatable AlMgSi Alloy Wire Rod, in Terms of Physical Phenomena that Affect the Structure and Properties. Materials Science Forum, 2011, 690, 149-152.	0.3	0
32	A Study of the Influence of Strain Hardening and Precipitation Hardening Sequence on Development of Mechanical Properties of AlMgSi Conductor Alloys. Materials Science Forum, 2011, 690, 45-48.	0.3	0
33	Effect of Precipitation Hardening on the Structure and Properties of Al-Mg-Si Conductor Alloys in Different Technological Routes. Materials Science Forum, 0, 765, 823-826.	0.3	0
34	Rheological Inactivity of AlMgSi Conductors (AAAC) in Trend of Negative Stress Gradients. Materials Science Forum, 2013, 765, 808-812.	0.3	0
35	Microstructure and Properties of Al-Mg-Si Wire-Rod Subjected to Continuous Heat Treatment. Materials Science Forum, 0, 794-796, 1217-1220.	0.3	0
36	A Study of the Artificial Ageing on the Low Temperature Creep of AlMgSi (AA6201) Wires. , 2014, , 243-248.		0

#	Article	IF	Citations
37	Studies on Copper â€“ Activated Carbon (CWZ14) Metallurgical Synthesis with the Use of Continuous Casting Method. Key Engineering Materials, 2015, 641, 81-87.	0.4	0
38	Research on the Selection of Heat Treatment Parameters of Casting Aluminum Alloy AlSi5Mg Type. Key Engineering Materials, 2016, 682, 91-98.	0.4	0
39	New Type of Lightweight Railway Overhead Line Carrying Equipment. Key Engineering Materials, 2016, 682, 160-168.	0.4	0
40	Influence of Continuous Casting Conditions on Segregation of Additions in EN AW 1350 Aluminum Alloy. Key Engineering Materials, 2016, 682, 205-211.	0.4	0
41	Analysis of the Antimicrobial Copper Alloys Registered by the Environmental Protection Agency. Key Engineering Materials, 2016, 682, 46-52.	0.4	0
42	New Aluminum Base Materials for Use on Electrical Purposes. Key Engineering Materials, 0, 682, 61-68.	0.4	0
43	Rheological Resistance of CuAg15 Alloy Wires. Key Engineering Materials, 0, 682, 393-400.	0.4	0
44	Microstructure, Mechanical and Electrical Properties Evolution During Cold Rolling of Different 1xxx Series Aluminium After Continuous Casting. , 2012, , 1779-1784.		0
45	Influence of Strain Hardening on Rheological Properties of AlMgSi Wires. , 2012, , 559-564.		0
46	A Study of The Artificial Ageing on The Low Temperature Creep of AlMgSi (AA6201) Wires. , 2014, , 245-248.		0
47	Nowe rozwiÄ…zania niskostratnych przewodÃ³w do napowietrznych linii elektroenergetycznych najwyÅ¼szych napiÄ™Ä‡. Przeglad Elektrotechniczny, 2017, 1, 220-227.	0.2	0
48	Creep in Modern Materials. , 2018, , 1-12.		0
49	Creep in Modern Materials. , 2020, , 517-528.		0