

Tadeusz Knych

List of Publications by Year in descending order

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49
papers

230
citations

1163117

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all docs

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docs citations

50
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the Dendritic Structure Influence on the Electrical and Mechanical Properties Diversification of the Continuously Casted Copper Strand. <i>Materials</i> , 2020, 13, 5513.	2.9	5
2	Creep in Modern Materials. , 2020, , 517-528.		0
3	Analysis of the strengthening and recrystallization of electrolytic copper (Cu-ETP) and oxygen free copper (Cu-OF). <i>Archives of Civil and Mechanical Engineering</i> , 2019, 19, 186-193.	3.8	5
4	Impact of the Direct Ageing Procedure on the Age Hardening Response of Al-Mg-Si 6101 Alloy. <i>Materials</i> , 2018, 11, 1239.	2.9	8
5	Impact of oxidation of copper and its alloys in laboratory-simulated conditions on their antimicrobial efficiency. <i>Corrosion Science</i> , 2018, 140, 321-332.	6.6	32
6	Creep in Modern Materials. , 2018, , 1-12.		0
7	Antimicrobial Properties of Selected Copper Alloys on Staphylococcus aureus and Escherichia coli in Different Simulations of Environmental Conditions: With vs. without Organic Contamination. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 813.	2.6	37
8	Antibiotic resistance, ability to form biofilm and susceptibility to copper alloys of selected staphylococcal strains isolated from touch surfaces in Polish hospital wards. <i>Antimicrobial Resistance and Infection Control</i> , 2017, 6, 80.	4.1	14
9	Influence of Fe and Si Addition on the Properties and Structure Conductivity Aluminium. <i>Archives of Metallurgy and Materials</i> , 2017, 62, 1541-1547.	0.6	2
10	Nowe rozwia...zania niskostratnych przewod...w do napowietrznych linii elektroenergetycznych najwy...szych napi...¶. <i>Przegląd Elektrotechniczny</i> , 2017, 1, 220-227.	0.2	0
11	Research on the Selection of Heat Treatment Parameters of Casting Aluminum Alloy AlSi5Mg Type. <i>Key Engineering Materials</i> , 2016, 682, 91-98.	0.4	0
12	Researches on the Production of Conductive Aluminium-Graphene Composites. <i>Key Engineering Materials</i> , 2016, 682, 132-137.	0.4	1
13	New Type of Lightweight Railway Overhead Line Carrying Equipment. <i>Key Engineering Materials</i> , 2016, 682, 160-168.	0.4	0
14	Influence of Continuous Casting Conditions on Segregation of Additions in EN AW 1350 Aluminum Alloy. <i>Key Engineering Materials</i> , 2016, 682, 205-211.	0.4	0
15	Analysis of the Antimicrobial Copper Alloys Registered by the Environmental Protection Agency. <i>Key Engineering Materials</i> , 2016, 682, 46-52.	0.4	0
16	New Al-Ag Alloys for Electrical Conductors with Increased Current Carrying Capacity. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 1875-1880.	0.6	12
17	Studies on Copper " Activated Carbon (CWZ14) Metallurgical Synthesis with the Use of Continuous Casting Method. <i>Key Engineering Materials</i> , 2015, 641, 81-87.	0.4	0
18	An Analytical Model for the High Temperature Low Sag Conductor Knee Point Determination. <i>Key Engineering Materials</i> , 2015, 641, 173-180.	0.4	2

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19	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
20	Fabrication and Cold Drawing of Copper Covetic Nanostructured Carbon Composites/ Otrzymywanie Oraz Ciężnienia Kompozytów Miedzianych Typu Covetic O Strukturze Nanometrycznej. Archives of Metallurgy and Materials, 2014, 59, 1283-1286.	0.6	6
21	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
22	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
23	Comparative Characteristics of the AlZr Alloy Materials Electrical and Mechanical Properties. Archives of Metallurgy and Materials, 2014, 59, 633-639.	0.6	3
24	A Study of the Artificial Ageing on the Low Temperature Creep of AlMgSi (AA6201) Wires. , 2014, , 243-248.		0
25	A Study of The Artificial Ageing on The Low Temperature Creep of AlMgSi (AA6201) Wires. , 2014, , 245-248.		0
26	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
27	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 Odkształcanym W Próbnie Nieswobodnego Sciskania. Archives of Metallurgy and Materials, 2013, 58, 145-150.	0.6	2
28	Rheological Inactivity of AlMgSi Conductors (AAAC) in Trend of Negative Stress Gradients. Materials Science Forum, 2013, 765, 808-812.	0.3	0
29	Fabrication, Properties and Microstructures of High Strength and High Conductivity Copper-Silver Wires / Otrzymywanie Oraz Własności i Mikrostruktura Wysokowytrzymałych i Wysoko Przewodzących Drutów Ze Stopów Cu-Ag. Archives of Metallurgy and Materials, 2012, 57, 1261-1270.	0.6	17
30	Electron Microscopy Investigation of Ageing Behavior in a Cu-Ni-Si Alloy. Solid State Phenomena, 2012, 186, 267-270.	0.3	1
31	The Influence of Heat Treatment Parameters on the Electrical Conductivity of AlSi7Mg and AlSi10Mg Aluminum Cast Alloys. , 2012, , 129-135.		5
32	Microstructure, Mechanical and Electrical Properties Evolution During Cold Rolling of Different 1xxx Series Aluminium After Continuous Casting. , 2012, , 1779-1784.		0
33	Influence of Strain Hardening on Rheological Properties of AlMgSi Wires. , 2012, , 559-564.		0
34	Semi-Friction Stir Processing the Method for Improvement of the Product Surface Layer. Materials Science Forum, 2011, 690, 83-86.	0.3	0
35	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
36	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

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37	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
38	Phenomenology of the creep process of precipitation-hardenable AlMgSi alloy wires for overhead power lines. Experimental tests. Simulation. Mechanics of Time-Dependent Materials, 2009, 13, 163-181.	4.4	7
39	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
40	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
41	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
42	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
43	Influence of Casting Velocity on Structure and Properties of AlFe0,5 Alloy. Key Engineering Materials, 0, 641, 56-62.	0.4	1
44	Research into the Aluminum-Zirconium Alloys Dedicated for Electrical Purposes. Key Engineering Materials, 0, 641, 47-55.	0.4	1
45	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
46	New Aluminum Base Materials for Use on Electrical Purposes. Key Engineering Materials, 0, 682, 61-68.	0.4	0
47	Research of the Laboratory Wire Drawing Process of Zinc. Key Engineering Materials, 0, 682, 367-371.	0.4	2
48	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
49	Rheological Resistance of CuAg15 Alloy Wires. Key Engineering Materials, 0, 682, 393-400.	0.4	0