Tomasz RzychoÅ„

List of Publications by Year
in descending order

42	382	1163117	888059
papers	citations	8 h-index	17 g-index

42	42	42	346
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafine-Grained Microstructures of Alâ€“Cu Alloys with Hypoeutectic and Hypereutectic Composition Produced by Extrusion Combined with Reversible Torsion. Microscopy and Microanalysis, 2022, , 1-8.	0.4	3
2	The microstructure and creep properties of as-cast Mg-Sn-Si-(Al) magnesium alloys. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	3
3	A simple route for manufacture of photovoltaic devices based on chalcohalide nanowires. Applied Surface Science, 2020, 517, 146138.	6.1	18
4	Thermal and structural analysis of high-tin bronze of chemical composition corresponding to the composition of the singing bowl. Journal of Thermal Analysis and Calorimetry, 2019, 137, 735-741.	3.6	5
5	Sulfateâ€reducing bacteriaâ€assisted hydrogenâ€induced stress cracking of 2205 duplex stainless steels. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 1667-1681.	1.5	5
6	Novel piezoelectric paper based on SbSI nanowires. Cellulose, 2018, 25, 7-15.	4.9	32
7	The crystallization kinetics of Er/Yb co-doped oxyfluoride glasses. Proceedings of SPIE, 2017, , .	0.8	2
8	Microstructure and Creep Properties of Selected Gravity Casting Magnesium Alloys. Key Engineering Materials, 2016, 682, 372-379.	0.4	0
9	Morphology and structure of SbSI photonic crystals fabricated with different approaches. Materials Letters, 2015, 157, 4-6.	2.6	8
10	The Influence of Strontium on the Microstructure of Cast Magnesium Alloys Containing Aluminum and Calcium. Key Engineering Materials, 2014, 607, 37-42.	0.4	1
11	Microstructural Phenomenon Occurring in Elektron 21 Magnesium Alloy During Creep. Materials Science Forum, 2014, 782, 339-343.	0.3	2
12	A new heterostructures fabrication technique and properties of produced SbSI/Sb2S3 heterostructures. Optics and Lasers in Engineering, 2014, 55, 232-236.	3.8	10
13	Microstructure of MgAl5Ca3Sr alloy after creep deformation and highâ€temperature heat treatment. Materialwissenschaft Und Werkstofftechnik, 2014, 45, .	0.9	0
14	Characterization of Mg-rich clusters in the C36 phase of the Mgâ€“5Alâ€“3Caâ€“0.7Srâ€“0.2Mn alloy. Journal of Alloys and Compounds, 2014, 598, 95-105.	5.5	22
15	Microstructure, microstructural stability and mechanical properties of sand-cast Mgâ€“4Alâ€“4RE alloy. Materials Characterization, 2013, 83, 21-34.	4.4	46
16	Microstructure of WE43 Magnesium Matrix Composite Reinforced Ceramic Particles. Solid State Phenomena, 2013, 211, 101-108.	0.3	3
17	The Influence of High-Temperature Heat Treatment on the Microstructure of Mg-5Al-3Ca-0.7Sr-0.2Mn Magnesium Alloy. Solid State Phenomena, 2013, 203-204, 246-249.	0.3	2
18	Methodology for the Quantitative Evaluation of the Structure in Cast Magnesium Alloys. Advanced Structured Materials, 2013, , 87-96.	0.5	0

#	Article	IF	Citations
19	The Thermal Diffusivity of Mg-Al-Sr and Mg-Al-Ca-Sr Sand Casting Magnesium Alloys. Defect and Diffusion Forum, 2012, 326-328, 249-254.	0.4	0
20	The influence of hot-chamber die casting parameters on the microstructure and mechanical properties of magnesium-aluminum alloys containing alkaline elements. Materialwissenschaft Und Werkstofftechnik, 2012, 43, 421-426.	0.9	7
21	Mechanical and creep properties of Mg-4Y-3RE and Mg-3Nd-1Gd magnesium alloy. Procedia Engineering, 2011, 10, 1835-1840.	1.2	22
22	The Influence of Rare Earth, Strontium and Calcium on the Thermal Diffusivity of Mg-Al Alloys. Defect and Diffusion Forum, 2011, 312-315, 824-829.	0.4	8
23	Microstructure and Creep Properties of AJ62 and AE44 Die-Casting Magnesium Alloys. Materials Science Forum, 2010, 638-642, 1546-1551.	0.3	5
24	DSC and Microstructural Investigations of the Elektron 21 Magnesium Alloy. Materials Science Forum, 2010, 638-642, 1447-1452.	0.3	17
25	Microstructural stability and creep properties of die casting Mgâ€“4Alâ€“4RE magnesium alloy. Materials Characterization, 2009, 60, 1107-1113.	4.4	79
26	Characterisation of Î² Phase in WE54 Magnesium Alloy. Solid State Phenomena, 2007, 130, 155-158.	0.3	2
27	Characterization of Î² and Mg₄₁Nd₅ Equilibrium Phases in Elektron 21 Magnesium Alloy after Long-Term Annealing. Solid State Phenomena, 0, 163, 106-109.	0.3	12
28	Structure Refinement of the Multi-Phase Mg-Al-Sr Alloy. Solid State Phenomena, 0, 163, 169-172.	0.3	12
29	Oxidation Behaviour of WE54 and Elektron 21 Magnesium Alloys. Defect and Diffusion Forum, 0, 312-315, 483-488.	0.4	3
30	The Intermetallic Phases in Sand Casting Magnesium Alloys for Elevated Temperature. Materials Science Forum, 0, 690, 214-217.	0.3	22
31	The Influence of Heat Treatment Parameters on the Thermal Diffusivity of WE54 and Elektron 21 Magnesium Alloys. Defect and Diffusion Forum, 0, 312-315, 489-494.	0.4	7
32	Structural Stability of Mgâ€“6Alâ€“2Sr Magnesium Alloy. Solid State Phenomena, 0, 176, 75-82.	0.3	5
33	The Influence of Tin on the Microstructure and Creep Properties of Mg-5Al-3Ca-0.7Sr-0.2Mn Magnesium Alloy. Solid State Phenomena, 0, 191, 151-158.	0.3	8
34	Microstructure of Mg-Ti-Al Composite Hot Pressed at Different Temperature. Solid State Phenomena, 0, 191, 199-207.	0.3	3
35	Microstructure and Thermal Analysis of Mg-Al-Ca-Sr Alloys. Defect and Diffusion Forum, 0, 326-328, 477-481.	0.4	0
36	The Corrosion Resistance of the Mg-Al-Ca-Sr Sand Casting Magnesium Alloys. Defect and Diffusion Forum, 0, 326-328, 255-260.	0.4	2

#	Article	IF	Citations
37	Detection of Intermetallic Compounds in a Mg-5Al-3Ca-0.7Sr-0.2Mn Magnesium Alloy. Solid State Phenomena, 0, 197, 137-142.	0.3	2
38	Corrosion Resistance of Mg-xAl-3Ca-0.8Sr Magnesium Alloys. Defect and Diffusion Forum, 0, 334-335, 213-218.	0.4	1
39	The Influence of Heat Treatment on the Microstructure and Hardness of Mg-5Si-7Sn-5Mn Alloy. Solid State Phenomena, 0, 229, 83-88.	0.3	0
40	The Influence of Calcium on the Primary Mg₂Si Phase in the Hypereutectic Mg-Si Alloys. Solid State Phenomena, 0, 229, 71-76.	0.3	1
41	Microstructure of Hypereutectic Mg-Si Alloy with Sn, Al and Mn Additions. Solid State Phenomena, 0, 229, 65-70.	0.3	1
42	Characterisation of Î² Phase in WE54 Magnesium Alloy. Solid State Phenomena, 0, , 155-158.	0.3	1