

# Andrzej Kielbus

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

315  
citations

10  
h-index

16  
g-index

56  
ext. papers

356  
ext. citations

0.8  
avg, IF

3.46  
L-index

#	Paper	IF	Citations
52	Microstructural stability and creep properties of die casting Mg-Al-RE magnesium alloy. <i>Materials Characterization</i> , <b>2009</b> , 60, 1107-1113	3.9	64
51	Microstructure, microstructural stability and mechanical properties of sand-cast Mg-Al-RE alloy. <i>Materials Characterization</i> , <b>2013</b> , 83, 21-34	3.9	37
50	Mechanical and creep properties of Mg-4Y-3RE and Mg-3Nd-1Gd magnesium alloy. <i>Procedia Engineering</i> , <b>2011</b> , 10, 1835-1840		20
49	The Intermetallic Phases in Sand Casting Magnesium Alloys for Elevated Temperature. <i>Materials Science Forum</i> , <b>2011</b> , 690, 214-217	0.4	19
48	Microstructure, Castability, Microstructural Stability and Mechanical Properties of ZRE1 Magnesium Alloy. <i>Archives of Metallurgy and Materials</i> , <b>2012</b> , 57,		17
47	Substructure stability of highly alloyed martensitic steels for power industry. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 81, 483-485	4.4	15
46	DSC and Microstructural Investigations of the Elektron 21 Magnesium Alloy. <i>Materials Science Forum</i> , <b>2010</b> , 638-642, 1447-1452	0.4	14
45	Microstructural Phenomena Occurring during Early Stages of Cavitation Erosion of Al-Si Aluminium Casting Alloys. <i>Solid State Phenomena</i> , <b>2015</b> , 227, 255-258	0.4	10
44	The Comparison of the Microstructure and Corrosion Resistance of Sand Cast Aluminum Alloys. <i>Archives of Metallurgy and Materials</i> , <b>2016</b> , 61, 209-212		10
43	Characterization of $\beta$ and Mg <sub>41</sub> Nd <sub>5</sub> Equilibrium Phases in Elektron 21 Magnesium Alloy after Long-Term Annealing. <i>Solid State Phenomena</i> , <b>2010</b> , 163, 106-109	0.4	10
42	Structure Refinement of the Multi-Phase Mg-Al-Sr Alloy. <i>Solid State Phenomena</i> , <b>2010</b> , 163, 169-172	0.4	8
41	The Influence of Rare Earth, Strontium and Calcium on the Thermal Diffusivity of Mg-Al Alloys. <i>Defect and Diffusion Forum</i> , <b>2011</b> , 312-315, 824-829	0.7	8
40	Effect of Modification on Microstructure and Properties of AZ91 Magnesium Alloy. <i>Crystals</i> , <b>2020</b> , 10, 536	2.3	6
39	The Microstructure of Elektron21 and WE43 Magnesium Casting Alloys after Subsequent Melting Process Operations. <i>Solid State Phenomena</i> , <b>2013</b> , 211, 65-70	0.4	6
38	Microstructure and Creep Properties of AJ62 and AE44 Die-Casting Magnesium Alloys. <i>Materials Science Forum</i> , <b>2010</b> , 638-642, 1546-1551	0.4	5
37	Microstructure and Properties of Sand Casting Magnesium Alloys for Elevated Temperature Applications. <i>Solid State Phenomena</i> , <b>2011</b> , 176, 63-74	0.4	5
36	The Influence of Heat Treatment Parameters on the Thermal Diffusivity of WE54 and Elektron 21 Magnesium Alloys. <i>Defect and Diffusion Forum</i> , <b>2011</b> , 312-315, 489-494	0.7	5

35	Influence of Sand-Casting Parameters on Microstructure and Properties of Magnesium Alloys. <i>Archives of Metallurgy and Materials</i> , <b>2013</b> , 58, 635-640		4
34	Structural Stability of Mg <sub>75</sub> Al <sub>25</sub> Sr Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2011</b> , 176, 75-82	0.4	4
33	TEM Investigations of Electron 21 Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2007</b> , 130, 175-180	0.4	4
32	Influence of the Chemical Composition on Electrical Conductivity and Mechanical Properties of the Hypoeutectic Al-Si-Mg Alloys. <i>Archives of Metallurgy and Materials</i> , <b>2016</b> , 61, 353-360		4
31	The Mechanisms of Cavitation Erosion of the Elektron21 Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2015</b> , 229, 99-104	0.4	3
30	The Porosity Description in Hypoeutectic Al-Si Alloys. <i>Key Engineering Materials</i> , <b>2016</b> , 682, 83-90	0.4	3
29	The influence of hot-chamber die casting parameters on the microstructure and mechanical properties of magnesium-aluminum alloys containing alkaline elements. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2012</b> , 43, 421-426	0.9	3
28	Oxidation Behaviour of WE54 and Elektron 21 Magnesium Alloys. <i>Defect and Diffusion Forum</i> , <b>2011</b> , 312-315, 483-488	0.7	3
27	The Influence of Section Thickness on Microstructure of Elektron 21 and QE22 Magnesium Alloys. <i>Solid State Phenomena</i> , <b>2012</b> , 191, 145-150	0.4	3
26	The influence of Mg <sub>17</sub> Al <sub>12</sub> phase volume fraction on the corrosion behaviour of AZ91 magnesium alloy. <i>International Journal of Microstructure and Materials Properties</i> , <b>2009</b> , 4, 196	0.4	3
25	Microstructure and Properties of Casting Magnesium Alloys Designed to Work in Elevated Temperature <b>2018</b> ,		3
24	The Microstructure of AlSi7Mg Alloy in as Cast Condition. <i>Solid State Phenomena</i> , <b>2015</b> , 229, 3-10	0.4	2
23	Effect of Mould Components on the Cooling Rate, Microstructure, and Quality of We43 Magnesium Casting Alloy/ Wpływ Zastosowanych Elementów Formy Na Szybkość Chłodzenia, Mikrostrukturę Jakość Stopu Magnezu We43. <i>Archives of Metallurgy and Materials</i> , <b>2014</b> , 59, 1527-1532		2
22	Microstructure and corrosion resistance of magnesium alloys with galvanic coatings. <i>Procedia Engineering</i> , <b>2011</b> , 10, 1841-1846		2
21	The Corrosion Resistance of the Mg-Al-Ca-Sr Sand Casting Magnesium Alloys. <i>Defect and Diffusion Forum</i> , <b>2012</b> , 326-328, 255-260	0.7	2
20	Characterisation of $\beta$ Phase in WE54 Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2007</b> , 130, 155-158	0.4	2
19	Influence of Age Hardening Parameters on the Microstructure and Properties of the AlSi7Mg Sand Cast Alloy / Wpływ Parametrów Utwardzania Wydzieleniowego Na Strukturę Właściwości Stopu Alsi7mg. <i>Archives of Metallurgy and Materials</i> , <b>2015</b> , 60, 3035-3042		1
18	The Influence of Strontium on the Microstructure of Cast Magnesium Alloys Containing Aluminum and Calcium. <i>Archives of Metallurgy and Materials</i> , <b>2015</b> , 60, 167-170		1

17	Microstructural Phenomenon Occurring in Elektron 21 Magnesium Alloy During Creep. <i>Materials Science Forum</i> , <b>2014</b> , 782, 339-343	0.4	1
16	Non-Metallic Inclusions in Mg-RE-Zr Casting Alloys. <i>Materials Science Forum</i> , <b>2014</b> , 782, 398-403	0.4	1
15	Influence of Pouring Temperature on Castability and Microstructure of QE22 and RZ5 Magnesium Casting Alloys. <i>Solid State Phenomena</i> , <b>2012</b> , 191, 137-144	0.4	1
14	Precipitate Processes in Mg-5Al Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2012</b> , 191, 131-136	0.4	1
13	Mould Components Impact on Structure and Quality of Elektron 21 Alloy. <i>Archives of Foundry Engineering</i> , <b>2013</b> , 13, 17-23		1
12	Influence of the Wall Thickness on Castability and Microstructure of the QE22 Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2015</b> , 229, 77-82	0.4	0
11	Influence of the Pouring Temperature on the Castability and Microstructure of Elektron 21 and QE22 Magnesium Casting Alloys. <i>Solid State Phenomena</i> , <b>2013</b> , 197, 125-130	0.4	0
10	Microstructural Characterisation of AZ91 Magnesium Alloy <b>2005</b> , 190-195		0
9	Influence of Sr Addition on the Microstructure and Properties of HPDC EN AC-Al Si9Cu3(Fe) Alloy. <i>Key Engineering Materials</i> , <b>2016</b> , 682, 69-76	0.4	
8	Influence of Heating and Cooling Rate on Phase Transformations Temperatures in EV31A Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2015</b> , 229, 89-98	0.4	
7	The Electrochemical and Immersion Corrosion of Casting Magnesium Alloys Containing Rare Earth Elements. <i>Solid State Phenomena</i> , <b>2015</b> , 227, 79-82	0.4	
6	The Microstructural Changes after Thermal Shock Applied on Elektron 21 Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2013</b> , 211, 77-82	0.4	
5	The Quality of Produced Sand-Cast Engine Block Made from Elektron 21 Magnesium Alloy. <i>Solid State Phenomena</i> , <b>2013</b> , 211, 71-76	0.4	
4	The Procedure for Quantitative Analysis of Welded Joints in QE22 Alloy. <i>Solid State Phenomena</i> , <b>2013</b> , 197, 149-154	0.4	
3	The Influence of Various Etchants on the Quantitative Analysis of Microstructure of Mg-Nd Alloy. <i>Solid State Phenomena</i> , <b>2013</b> , 197, 192-197	0.4	
2	The Thermal Diffusivity of Mg-Al-Sr and Mg-Al-Ca-Sr Sand Casting Magnesium Alloys. <i>Defect and Diffusion Forum</i> , <b>2012</b> , 326-328, 249-254	0.7	
1	MICROSTRUCTURE OF CAST MgBi6X0.5 (X = Ca, Mn, Zn) ALLOYS IN PEAK-AGED CONDITION. <i>Journal of Metallic Materials</i> , <b>2022</b> , 73, 23-28	0	