

Andr s Ro sz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Influence of Solidification Parameters on the Amount of Eutectic and Secondary Arm Spacing of Al-7wt% Si Alloy Solidified under Microgravity. <i>Crystals</i> , 2022, 12, 414.	1.0	4
2	Experimental Evaluation of MHD Modeling of EMS During Continuous Casting. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2022, 53, 2166-2181.	1.0	5
3	New Equipment and Method for Refining the Solidified Grain Structure. <i>Metals</i> , 2022, 12, 658.	1.0	0
4	Determination of the conditions of laminar/turbulent flow transition using pressure compensation method in the case of Ga75In25 alloy stirred by RMF. <i>Journal of Crystal Growth</i> , 2021, 564, 126078.	0.7	5
5	Periodically changing rod distance in unidirectional solidified Al-Al ₃ Ni eutectic. <i>Journal of Crystal Growth</i> , 2019, 506, 127-130.	0.7	2
6	Investigation of the Data-Requirement of ESTPHAD Phase Diagram Calculation Method. <i>Materials Science Forum</i> , 2015, 812, 441-446.	0.3	0
7	Unidirectional Solidification of Pb-Sn Alloys in a Rotating Magnetic Field. <i>Materials Science Forum</i> , 2014, 790-791, 408-413.	0.3	3
8	Numerical Simulation of the RMF Stirring of Molten Ga-In Alloy Using RANS K- μ and LES Turbulence Models. <i>Materials Science Forum</i> , 2014, 790-791, 402-407.	0.3	1
9	Liquidus and Solidus Temperature Calculation in Al-Cu-Fe System by ESTPHAD Method. <i>Materials Science Forum</i> , 2014, 790-791, 259-264.	0.3	1
10	Modelling of Al-7wt%Si-1wt%Fe Ternary Alloy: Application to Space Experiments with a Rotating Magnetic Field. <i>Materials Science Forum</i> , 2014, 790-791, 46-51.	0.3	2
11	Comparison of Measured and Numerically Simulated Angular Velocity of Magnetically Stirred Liquid Ga-In Alloy. <i>Materials Science Forum</i> , 2013, 752, 157-166.	0.3	3
12	Effect of High Rotating Magnetic Field on the Solidified Structure of Al-7wt.%Si-1wt.%Fe Alloy. <i>Materials Science Forum</i> , 2013, 752, 57-65.	0.3	6
13	Effect of Crucible Diameter and Wall Roughness on the Melt Flow Generated by Rotating Magnetic Field. <i>Materials Science Forum</i> , 2010, 659, 251-256.	0.3	0
14	Revolution Number (RPM) Measurement of Molten Alloy by Pressure Compensation Method. <i>Materials Science Forum</i> , 2010, 649, 275-280.	0.3	5
15	Calculation of the Immiscibility Gap by ESTPHAD Method. <i>Materials Science Forum</i> , 2010, 659, 423-428.	0.3	3
16	Analysis of Cu-Zr-Al Amorphisable Alloys Produced by Centrifugal Casting. <i>Materials Science Forum</i> , 2010, 649, 93-99.	0.3	2
17	Comparison between Simulation and Experimental Results of the Effect of RMF on Directional Solidification of Al-7wt.%Si Alloy. <i>Materials Science Forum</i> , 2010, 649, 269-274.	0.3	7
18	Calculation of the Liquidus Curves of CaO-Al ₂ O ₃ Phase Diagram by ESTPHAD Method. <i>Materials Science Forum</i> , 2008, 589, 323-328.	0.3	1

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19	Visualisation of the Melt Flow under Rotating Magnetic Field. Materials Science Forum, 2007, 537-538, 591-598.	0.3	3
20	MICAST – Microstructure Formation in Casting of Technical Alloys under Diffusive and Magnetically Controlled Convective Conditions. Materials Science Forum, 2006, 508, 131-144.	0.3	10
21	Calculation of the Liquidus and Solidus Surface of Al Rich Corner of Al-Mg-Si Alloy System by ESTPHAD Method. Materials Science Forum, 2006, 508, 635-0.	0.3	1
22	Calculation of the Equilibrium Phase Diagram of Fe-Ni Alloy System by the ESTPHAD Method. Materials Science Forum, 2006, 508, 609-614.	0.3	1
23	Formation of Lead Bearing Surface Layers on Aluminum Alloys by Laser Alloying. Materials Science Forum, 2006, 508, 99-104.	0.3	10
24	Effect of a Rotating Magnetic Field on the Solidified Structure of Al-Si Alloys. Materials Science Forum, 2006, 508, 263-268.	0.3	8
25	Producing of Singlecrystal from Heusler Alloy. Materials Science Forum, 2005, 473-474, 171-176.	0.3	2
26	Quantitative Validation of Microstructure Simulation in Case of Unidirectionally Solidified Al-Si Alloys. Materials Science Forum, 2005, 473-474, 355-360.	0.3	1
27	A Comparative Examination of the Friction Coefficient of two Different Sliding Bearing. Materials Science Forum, 2005, 473-474, 471-476.	0.3	2
28	Thermodynamics-Based Semi-Empirical Description of the Liquidus Surface and Partition Coefficients in Ternary Al-Mg-Si Alloy. Materials Science Forum, 2003, 414-415, 323-328.	0.3	10
29	Solidification of Al-4wt.-%Cu Alloy under Non-Steady-State Conditions. Materials Science Forum, 2003, 414-415, 133-138.	0.3	4
30	Development of Monotectic Surface Layers by CO ₂ Laser. Materials Science Forum, 2003, 414-415, 147-152.	0.3	6
31	Numerical Simulation of Dendrite Arm Coarsening in the Case of Ternary Al Alloys. Materials Science Forum, 2003, 414-415, 483-490.	0.3	1
32	The effect of the cooling rate or the local solidification time and composition on the secondary dendrite arm spacing during solidification PART II: Al–Mg–Si alloys. International Journal of Cast Metals Research, 2001, 14, 131-135.	0.5	11
33	Modelling of Microsegregation of Binary Solid Solutions. Materials Science Forum, 2000, 329-330, 49-56.	0.3	6
34	Investigation of Secondary Dendrite Arm Coarsening of Al-Cu-Si Alloy. Materials Science Forum, 2000, 329-330, 79-86.	0.3	5
35	Calculation of Dendrite Tip Temperature during Constrained Growth. Materials Science Forum, 1996, 215-216, 169-178.	0.3	1
36	Effect of the High Rotating Magnetic Field (min. 30 mT) on the Unidirectionally Solidified Structure of Al7Si0.6Mg Alloy. Materials Science Forum, 0, 649, 263-268.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Production of Single Crystal Thermoelectric Bismuth Telluride Alloys. Materials Science Forum, 0, 659, 263-268.	0.3	2
38	Accurate Calculation of the Non-Variant Points of Equilibrium Phase Diagrams by Using the ESTPHAD Method. Materials Science Forum, 0, 729, 448-454.	0.3	1
39	Simulation of Isothermal Austenitization in Banded Pearlite Steels by Cellular Automaton. Materials Science Forum, 0, 812, 465-470.	0.3	0
40	Calculation of the Equilibrium Phase Diagram of Fe-Ni Alloy System by the ESTPHAD Method. Materials Science Forum, 0, , 609-614.	0.3	2