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List of Publications by Year
in descending order

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49	954	361413	477307
papers	citations	20 h-index	29 g-index

49	49	49	499
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Variation of microindentation hardness with solidification and microstructure parameters in the Al based alloys. Applied Surface Science, 2008, 255, 3071-3078.	6.1	62
2	Dependency of the thermal and electrical conductivity on the temperature and composition of Cu in the Al based Alâ€“Cu alloys. Experimental Thermal and Fluid Science, 2010, 34, 1507-1516.	2.7	62
3	Directional solidification of Alâ€“Cuâ€“Ag alloy. Applied Physics A: Materials Science and Processing, 2009, 95, 923-932.	2.3	59
4	Experimental investigation of the effect of solidification processing parameters on the rod spacings in the Snâ€“1.2wt.% Cu alloy. Journal of Alloys and Compounds, 2009, 486, 199-206.	5.5	44
5	The effects of microstructure and growth rate on microhardness, tensile strength, and electrical resistivity for directionally solidified Alâ€“Niâ€“Fe alloys. Journal of Alloys and Compounds, 2016, 660, 23-31.	5.5	44
6	The effect of growth rate on microstructure and microindentation hardness in the Inâ€“Biâ€“Sn ternary alloy at low melting point. Journal of Alloys and Compounds, 2009, 470, 150-156.	5.5	43
7	The microstructure parameters and microhardness of directionally solidified Snâ€“Agâ€“Cu eutectic alloy. Journal of Alloys and Compounds, 2009, 485, 264-269.	5.5	43
8	Dependency of eutectic spacings and microhardness on the temperature gradient for directionally solidified Snâ€“Agâ€“Cu lead-free solder. Materials Chemistry and Physics, 2010, 119, 442-448.	4.0	36
9	Microstructural characterization of unidirectional solidified eutectic Alâ€“Siâ€“Ni alloy. Materials Characterization, 2011, 62, 844-851.	4.4	35
10	Determination of mechanical, electrical and thermal properties of the Snâ€•Biâ€•Zn ternary alloy. Journal of Non-Crystalline Solids, 2011, 357, 2876-2881.	3.1	33
11	Effect of silicon content on microstructure, mechanical and electrical properties of the directionally solidified Alâ€“based quaternary alloys. Journal of Alloys and Compounds, 2017, 694, 471-479.	5.5	32
12	Solid-liquid interfacial energy of pyrene. Journal of Applied Physics, 2006, 100, 123505.	2.5	28
13	Measurement of solidâ€“liquid interfacial energy in succinonitrileâ^'pyrene eutectic system. Materials Letters, 2005, 59, 2953-2958.	2.6	27
14	Solidâ€“liquid interfacial energy for solid succinonitrile in equilibrium with succinonitrile dichlorobenzene eutectic liquid. Thermochimica Acta, 2006, 445, 86-91.	2.7	25
15	Solidâ€“liquid interfacial energy of dichlorobenzene. Journal of Physics Condensed Matter, 2007, 19, 116202.	1.8	25
16	Variations of microhardness with solidification parameters and electrical resistivity with temperature for Alâ€“Cuâ€“Ag eutectic alloy. Current Applied Physics, 2012, 12, 7-10.	2.4	25
17	Investigation of liquid composition effect on Gibbsâ€“Thomson coefficient and solidâ€“liquid interfacial energy in SCN based binary alloys. Materials Characterization, 2008, 59, 998-1006.	4.4	23
18	Measurement of solidâ€“liquid interfacial energy in the pyrene succinonitrile monotectic system. Journal of Physics Condensed Matter, 2006, 18, 8403-8412.	1.8	22

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19	Determination of interfacial energies in the Alâ€“Ag and Snâ€“Ag alloys by using Bridgman type solidification apparatus. Journal of Alloys and Compounds, 2009, 488, 138-143.	5.5	22
20	Dependence of Electrical Resistivity on Temperature and Sn Content in Pb-Sn Solders. Journal of Electronic Materials, 2011, 40, 195-200.	2.2	22
21	Novel experimental technique to observe equilibrated grain boundary groove shapes in opaque alloys. Journal of Alloys and Compounds, 2009, 476, 213-219.	5.5	21
22	Effect of solidification parameters on the microstructure of Sn-3.7Ag-0.9Zn solder. Materials Characterization, 2010, 61, 1260-1267.	4.4	21
23	Interfacial energy of solid In2Bi intermetallic phase in equilibrium with Inâ€“Bi eutectic liquid at 72ÂÂ°C equilibrating temperature. Materials Characterization, 2008, 59, 1101-1110.	4.4	20
24	Measurements of Microhardness and Thermal and Electrical Properties of the Binary Zn-0.7wt.%Cu Hypoperitectic Alloy. Journal of Electronic Materials, 2010, 39, 303-311.	2.2	17
25	Measurement of solidâ€“liquid interfacial energy in the Inâ€“Bi eutectic alloy at low melting temperature. Journal of Physics Condensed Matter, 2007, 19, 506102.	1.8	16
26	Investigation of the effect of solidification processing parameters on the rod spacings and variation of microhardness with the rod spacing in the Snâ€“Cu hypereutectic alloy. Journal of Materials Science: Materials in Electronics, 2010, 21, 608-618.	2.2	15
27	Investigation of the effect of solidification processing parameters on microhardness and determination of thermoâ€“physical properties in the Znâ€“Cu peritectic alloy. Journal of Alloys and Compounds, 2010, 491, 143-148.	5.5	15
28	Unidirectional solidification of Zn-rich Zn-Cu hypoperitectic alloy. Journal of Materials Research, 2009, 24, 3422-3431.	2.6	14
29	Investigation of microhardness and thermo-electrical properties in the Snâ€“Cu hypereutectic alloy. Journal of Materials Science: Materials in Electronics, 2010, 21, 468-474.	2.2	13
30	Interfacial energies of p-dichlorobenzeneâ€“succinonitrile alloy. Thermochimica Acta, 2007, 463, 44-52.	2.7	11
31	Containerless solidification of Agâ€“Al and Agâ€“Cu eutectic alloys in a drop tube. Journal of Alloys and Compounds, 2013, 575, 96-103.	5.5	11
32	Determination of solidâ€“liquid interfacial energy for a solid Sn in equilibrium with a Snâ€“Agâ€“Zn eutectic liquid. Current Applied Physics, 2011, 11, 1060-1066.	2.4	9
33	The influence of the growth rate on the eutectic spacings, undercoolings and microhardness of directional solidified bismuthâ€“lead eutectic alloy. Current Applied Physics, 2013, 13, 587-593.	2.4	9
34	Directional solidification of Zn-Al-Cu eutectic alloy by the vertical Bridgman method. Journal of Mining and Metallurgy, Section B: Metallurgy, 2015, 51, 67-72.	0.8	7
35	Effect of growth velocity on microstructure and mechanical properties of directionally solidified 7075 alloy. International Journal of Cast Metals Research, 2020, 33, 11-23.	1.0	7
36	Directionally Solidified Alâ€“Cuâ€“Siâ€“Fe Quaternary Eutectic Alloys. Physics of Metals and Metallography, 2020, 121, 78-83.	1.0	6

#	Article	IF	Citations
37	Investigation of directional solidified Alâ€“Ti alloy. Journal of Non-Crystalline Solids, 2009, 355, 1231-1239.	3.1	5
38	Solidification Behavior of Geâ€“Al Eutectic Alloy in a Drop Tube. Transactions of the Indian Institute of Metals, 2016, 69, 961-970.	1.5	5
39	Effect of Heat Treatment on the Microstructures and Mechanical Properties of Alâ€“4Cuâ€“1.5Mg Alloy. International Journal of Metalcasting, 2022, 16, 1020-1033.	1.9	5
40	MEASUREMENTS OF SOLIDâ€“LIQUID INTERFACIAL ENERGIES IN THE ORGANIC MONOTECTIC ALLOYS. Surface Review and Letters, 2009, 16, 203-214.	1.1	3
41	Interfacial energies of carbon tetrabromide. Current Applied Physics, 2009, 9, 359-366.	2.4	3
42	Microstructural, mechanical, electrical, and thermal properties of the Bi-Sn-Ag ternary eutectic alloy. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 147-154.	1.0	3
43	Investigation of the thermo-electrical properties of A707 alloys. Thermochimica Acta, 2019, 673, 177-184.	2.7	3
44	Characterization of Rapidly Solidified Ndâ€“Al and Ndâ€“Ag Eutectic Alloys in Drop Tube. Advanced Engineering Materials, 2015, 17, 359-365.	3.5	1
45	The Effect of Growth Rate on the Microstructure and Mechanical Properties of 7020 Alloys. Journal of Materials Engineering and Performance, 0, , 1.	2.5	1
46	Effect of Robotics Technology in Science Education onScientific Creativity and Attitude Development. Journal of Turkish Science Education, 2020, 18, 54-72.	0.7	1
47	DETERMINATION OF ANISOTROPY OF CRYSTAL-MELT INTERFACIAL ENERGY FROM THE OBSERVED GRAIN BOUNDARY GROOVE SHAPES AT MULTIPLE ORIENTATIONS. Surface Review and Letters, 2009, 16, 579-588.	1.1	0
48	Subtle nuances in personality differences between gifted children as perceived by parents and teachers. Gifted Education International, 2021, 37, 305-320.	1.8	0
49	EFFECT OF CU CONTENT AND GROWTH VELOCITY ON THE MICROSTRUCTURE PROPERTIES OF THE DIRECTIONALLY SOLIDIFIED AL-MN-CU TERNARY ALLOYS. EJONS International Journal of Mathematic Engineering and Natural Sciences, 2021, 5, 756-764.	0.0	0