

Fawzy Samuel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Assessment of the Effect of Mg Addition on the Solidification Behavior, Tensile and Impact Properties of Al-Si-Cu Cast Alloys. International Journal of Metalcasting, 2023, 17, 82-108.	1.5	3
2	A Study on the Factors Enhancing the High-Temperature Strength of B319.2-Type Alloys. International Journal of Metalcasting, 2023, 17, 648-663.	1.5	3
3	Effect of Intermetallics and Tramp Elements on Porosity Formation and Hardness of Al-Si-Mg and Al-Si-Cu-Mg Alloys. International Journal of Metalcasting, 2023, 17, 664-681.	1.5	5
4	Intermetallics Formation, Hardness and Toughness of A413.1 Type Alloys: Role of Melt and Aging Treatments. International Journal of Metalcasting, 2023, 17, 1095-1113.	1.5	1
5	Hardening of Al-Si-Cu-Mg Cast Alloys: Role of Ag and Zn addition. International Journal of Metalcasting, 2022, 16, 3-19.	1.5	5
6	The Effect of Ni and Zr Additions on the Tensile Properties of Isothermally Aged Al-Si-Cu-Mg Cast Alloys. International Journal of Metalcasting, 2022, 16, 435-457.	1.5	1
7	The Use of Rare Earth Metals in Al-Si-Cu Casting Alloys. International Journal of Metalcasting, 2022, 16, 535-552.	1.5	15
8	Role of the Addition of La and Ce on the Cooling Characteristics and Porosity Formation in A356 and A413 Alloys. International Journal of Metalcasting, 2022, 16, 553-572.	1.5	4
9	Effect of Minor Addition of Ni and Zr on the High-Temperature Performance of Al-Si-Cu-Mg Cast Alloys. International Journal of Metalcasting, 2022, 16, 1235-1251.	1.5	4
10	Evolution and Methods of Residual Stresses Measurement in Al-Si-Cu-Mg Castings: Role of Heat Treatment. International Journal of Metalcasting, 2022, 16, 1488-1506.	1.5	1
11	Metallurgical Parameters Controlling Fragmentation and Spheroidization Processes of Eutectic Si Particles in Al-Si Cast Alloys. International Journal of Metalcasting, 2022, 16, 1709-1731.	1.5	3
12	Understanding the Effect of Be Addition on the Microstructure and Tensile Properties of Al-Si-Mg Cast Alloys. International Journal of Metalcasting, 2022, 16, 1777-1795.	1.5	1
13	Effects of Trace Elements on the Microstructural and Machinability Characteristics of Al-Si-Cu-Mg Castings. Materials, 2022, 15, 377.	1.3	5
14	Effect of Ca-Sr-Mg and Bi-Sr-Mg Interactions on the Microstructural Characterization and Tensile Properties of B319 Alloy. International Journal of Metalcasting, 2022, 16, 1940-1959.	1.5	2
15	Effects of Free-Cutting Elements Addition on the Microstructure, Hardness, and Machinability of Al-11%Si-Cu-Mg Casting Alloys. International Journal of Metalcasting, 2022, 16, 1915-1931.	1.5	4
16	Intermetallics Formation during Solidification of Al-Si-Cu-Mg Cast Alloys. Materials, 2022, 15, 1335.	1.3	13
17	Mechanical Performance and Precipitation Behavior in Al-Si-Cu-Mg Cast Alloys: Effect of Prolonged Thermal Exposure. Materials, 2022, 15, 2830.	1.3	4
18	Assessment of the Influence of Additives on the Mechanical Properties and Machinability of Al-11%Si Cast Alloys: Application of DOE and ANOVA Methods. Materials, 2022, 15, 3297.	1.3	0

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19	Effect of Zr and Ti Addition and Aging Treatment on the Microstructure and Tensile Properties of Al-2%Cu-Based Alloys. <i>Materials</i> , 2022, 15, 4511.	1.3	2
20	Effect of Transition Metals Addition on Tensile Properties of Al-Si-Cu-Based Alloys at 250°C and 250°C: Role of Heat Treatment. <i>International Journal of Metalcasting</i> , 2021, 15, 60-75.	1.5	8
21	A Review on the Criteria of Hot Tearing Susceptibility of Aluminum Cast Alloys. <i>International Journal of Metalcasting</i> , 2021, 15, 1362-1374.	1.5	21
22	Spheroidization and Coarsening of Eutectic Si Particles in Al-Si-Based Alloys. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-16.	1.0	12
23	Effects of Alloying Elements Additions on Ambient Temperature Performance of Al-Si-Cu-Mg Base Alloys. <i>International Journal of Metalcasting</i> , 2021, 15, 1385-1401.	1.5	6
24	The Concept of Quality Index and Its Application for Al-Si Cast Alloys. <i>International Journal of Metalcasting</i> , 2021, 15, 1197-1212.	1.5	12
25	Change of Tensile Properties with Aging Time and Temperature in Al-Si-Cu-Mg 354 Cast Alloys with/without Minor Addition of Ni and/or Zr. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-18.	1.0	2
26	Effect of Dispersoids and Intermetallics on Hardening the Al-Si-Cu-Mg Cast Alloys. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-15.	1.0	2
27	A Review Study on the Main Sources of Porosity in Al-Si Cast Alloys. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-16.	1.0	15
28	Strengthening precipitates and mechanical performance of Al-Si-Cu-Mg cast alloys containing transition elements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 820, 141497.	2.6	15
29	Various Aspects Influencing the Fracture Behavior of Impact-Tested Zr-Containing Al-Si-Cu-Mg 354-Type Alloys. <i>International Journal of Metalcasting</i> , 2021, 15, 1282-1297.	1.5	5
30	Effect of Rare Earth Metals on the Mechanical Properties and Fractography of Al-Si-Based Alloys. <i>International Journal of Metalcasting</i> , 2020, 14, 108-124.	1.5	16
31	Development of Residual Stresses in Al-Si Engine Blocks Subjected to Different Metallurgical Parameters. <i>International Journal of Metalcasting</i> , 2020, 14, 25-36.	1.5	4
32	Effect of Transition Metals Addition on the Microstructure and Incipient Melting of 354-Based Alloys. <i>International Journal of Metalcasting</i> , 2020, 14, 47-58.	1.5	3
33	Role of Heat Treatment on the Tensile Properties and Fractography of Al-1.2Si-2.4Cu and Al-8.0Si-2.4Cu Cast Alloys Modified with Ce, La and Sr Addition. <i>International Journal of Metalcasting</i> , 2020, 14, 218-242.	1.5	9
34	Effect of the Addition of La and Ce on the Solidification Behavior of Al-Cu and Al-Si-Cu Cast Alloys. <i>International Journal of Metalcasting</i> , 2020, 14, 191-206.	1.5	14
35	Effect of tool quality on the machinability characteristics of Al-Cu and Al-Si cast alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 1317-1326.	1.5	3
36	Effect of morphological changes of eutectic Si particles on the ambient and high temperature tensile properties of Zr containing Al-Si alloys. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5962-5981.	2.6	18

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37	Effect of Extended Thermal Exposure and Alloying Elements on the Morphology of Eutectic Si in Al-Si Cast Alloys. <i>International Journal of Metalcasting</i> , 2020, 14, 1013-1024.	1.5	8
38	High-Temperature Tensile Fractography of Zr-, Ni-, and Mn-Containing Al-Si-Cu-Mg Cast Alloys. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-11.	1.0	2
39	Some aspects of grain refining of Al-Si cast alloys. <i>International Journal of Cast Metals Research</i> , 2019, 32, 1-14.	0.5	10
40	On the Enhancement of the Microstructure and Tensile Properties of an Al-Cu Based Cast Alloy. <i>Metallography, Microstructure, and Analysis</i> , 2019, 8, 757-769.	0.5	6
41	Milling parameters of Al-Cu and Al-Si cast alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 3731-3743.	1.5	2
42	Effect of metallurgical parameters on the drilling and tapping characteristics of aluminum cast alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 1357-1370.	1.5	6
43	Effect of additives on the microstructure and tensile properties of Al-Si alloys. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2255-2268.	2.6	42
44	Melting and solidification characteristics of Zr-, Ni-, and Mn-containing 354-type Al-Si-Cu-Mg cast alloys. <i>Philosophical Magazine</i> , 2019, 99, 1633-1655.	0.7	13
45	On the Elevated Temperature, Tensile Properties of Al-Cu Cast Alloys: Role of Heat Treatment. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-15.	1.0	8
46	Grain refining of Al-Si alloys using Al-10% Ti master alloy: role of Zr addition. <i>International Journal of Cast Metals Research</i> , 2019, 32, 46-58.	0.5	9
47	Relation between residual stresses and microstructure evolution in Al-Si alloys based on different casting parameters. <i>Philosophical Magazine</i> , 2019, 99, 284-305.	0.7	3
48	Static versus dynamic thermal exposure of transition elements-containing Al-Si-Cu-Mg cast alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 739, 499-512.	2.6	21
49	Effects of Alloying Elements and Testing Temperature on the Q-Index of Al-Si Based Alloys. <i>International Journal of Metalcasting</i> , 2018, 12, 839-852.	1.5	9
50	Effect of Ni and Mn Additions on the Ambient and High-Temperature Performance of Zr-Containing Al-Si-Cu-Mg-Based Alloys: Role of Precipitation Hardening. <i>International Journal of Metalcasting</i> , 2018, 12, 825-838.	1.5	7
51	Microstructural characterisation of Al-Si cast alloys containing rare earth additions. <i>Philosophical Magazine</i> , 2018, 98, 1337-1359.	0.7	26
52	Metallurgical Aspects of Inclusion Assessment in Al-6%Si Casting Alloy Using the LIMCA Technique. <i>International Journal of Metalcasting</i> , 2018, 12, 643-657.	1.5	3
53	Effect of β -Al ₅ FeSi and β -Al ₈ Mg ₃ FeSi ₆ Phases on the Impact Toughness and Fractography of Al-Si-Mg-Based Alloys. <i>International Journal of Metalcasting</i> , 2018, 12, 148-163.	1.5	15
54	Measurement of Particles in Molten Al-Si Alloys Applying the Ultrasonic Technique. <i>International Journal of Metalcasting</i> , 2018, 12, 235-250.	1.5	4

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55	Inclusion Measurement and Identification in Mg-Based Alloys: Application of the Brightmeter Technique. International Journal of Metalcasting, 2018, 12, 2-19.	1.5	8
56	On the Impact Properties and Fractography of Al-11%Si Casting Alloy. International Journal of Metalcasting, 2018, 12, 36-54.	1.5	5
57	Beta Al ₅ FeSi phase platelets-porosity formation relationship in A319.2 type alloys. International Journal of Metalcasting, 2018, 12, 55-70.	1.5	19
58	Effect of Rare Earth Metals on Porosity Formation in A356 Alloy. International Journal of Metalcasting, 2018, 12, 251-265.	1.5	23
59	Response of Varying Levels of Silicon and Transition Elements on Room- and Elevated-Temperature Tensile Properties in an Al-Cu Alloy. International Journal of Metalcasting, 2018, 12, 396-414.	1.5	6
60	Inclusion Measurements in Al-Si Foundry Alloys Using Qualiflash and Prefil Filtration Techniques. International Journal of Metalcasting, 2018, 12, 625-642.	1.5	8
61	Effect of Sr-Grain Refining-Si Interactions on the Microstructural Characteristics of Al-Si Hypoeutectic Alloys. International Journal of Metalcasting, 2018, 12, 343-361.	1.5	20
62	Intermetallic precipitation in rare earth-treated A413.1 alloy: A metallographic study. International Journal of Materials Research, 2018, 109, 157-171.	0.1	5
63	Mechanical Performance of Zr-Containing 354-Type Al-Si-Cu-Mg Cast Alloy: Role of Additions and Heat Treatment. Advances in Materials Science and Engineering, 2018, 2018, 1-17.	1.0	10
64	Rare Earth Metal-Based Intermetallics Formation in Al-Cu-Mg and Al-Si-Cu-Mg Alloys: A Metallographic Study. Advances in Materials Science and Engineering, 2018, 2018, 1-15.	1.0	7
65	Effects of heat treatment and testing temperature on the tensile properties of Al-Cu and Al-Cu-Si based alloys. International Journal of Materials Research, 2018, 109, 314-331.	0.1	4
66	Effect of Microalloying Elements on the Heat Treatment Response and Tensile Properties of Al-Si-Mg Alloys. , 2018, , .		4
67	Effect of Melt Temperature on the Effectiveness of the Grain Refining in Al-Si Castings. Advances in Materials Science and Engineering, 2018, 2018, 1-11.	1.0	7
68	Effects of Addition of Transition Metals on Intermetallic Precipitation in Al-2%Cu-1%Si-Based Alloys. International Journal of Metalcasting, 2018, 12, 574-588.	1.5	7
69	Effect of Sr-Grain Refiner-Si Interactions on the Microstructure Characteristics of Al-Si Hypereutectic Alloys. International Journal of Metalcasting, 2018, 12, 307-320.	1.5	13
70	Effect of Aging Conditions on Precipitation Hardening in Al-Si-Mg and Al-Si-Cu-Mg Alloys. International Journal of Metalcasting, 2017, 11, 274-286.	1.5	30
71	On the Microstructure, Hardness and Impact Toughness of 356 and 413 Alloys. International Journal of Metalcasting, 2017, 11, 240-254.	1.5	5
72	Porosity Formation in Al-Si Sand Mold Castings. International Journal of Metalcasting, 2017, 11, 812-822.	1.5	12

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73	On the Impact Properties and Fracture Mechanisms of A356.2-Type Cast Alloys. International Journal of Metalcasting, 2017, 11, 766-777.	1.5	6
74	Effect of additives and heat treatment on the tensile properties of 354 alloy at 25 Â°C and 250 Â°C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 708, 77-90.	2.6	7
75	On the Enhancement of the Impact Toughness of A319 Alloys: Role of Mg Content and Melt Treatment. International Journal of Metalcasting, 2017, 11, 536-551.	1.5	4
76	Effect of Solidification Parameters on the Microstructure and Tensile Properties of 319-Type Alloys. International Journal of Metalcasting, 2017, 11, 552-567.	1.5	4
77	Effect of Metallurgical Parameters on the Performance of Al-2%Cu-Based Alloys. International Journal of Metalcasting, 2017, 11, 581-597.	1.5	7
78	Effect of Fe, Sr, P, Ti and Undercooling on the Precipitation of Î²-Al ₅ FeSi in A319.2 Type Alloys. International Journal of Metalcasting, 2017, 11, 675-687.	1.5	8
79	A Metallographic Study of Grain Refining of Sr-Modified 356 Alloy. International Journal of Metalcasting, 2017, 11, 305-320.	1.5	27
80	Effect of Ni, Mn, Sc, and Zr Addition on the Tensile Properties of 354-Type Alloys at Ambient Temperature. International Journal of Metalcasting, 2017, 11, 396-412.	1.5	7
81	Effect of Transition Metals on the Tensile Properties of 354 Alloy: Role of Precipitation Hardening. International Journal of Metalcasting, 2017, 11, 413-427.	1.5	16
82	Thermal Analysis for Detection of Zr-Rich Phases in Al-â€“Si-â€“Cu-â€“Mg 354-Type Alloys. International Journal of Metalcasting, 2017, 11, 428-439.	1.5	13
83	New Method of Eutectic Silicon Modification in Cast Al-â€“Si Alloys. International Journal of Metalcasting, 2017, 11, 475-493.	1.5	18
84	Effect of Mold Type on the Microstructure and Tensile Properties of A356 Alloy. International Journal of Metalcasting, 2017, 11, 523-535.	1.5	3
85	On the Mechanical Properties of Lost Foam Cast A356 Automotive Components: Effects of Melt Treatment and Solidification Conditions. International Journal of Metalcasting, 2017, 11, 494-505.	1.5	5
86	Influence of Oxides on Porosity Formation in Sr-Treated Alloys. International Journal of Metalcasting, 2017, 11, 729-742.	1.5	19
87	Phase precipitation in transition metal-containing 354-type alloys. International Journal of Materials Research, 2017, 108, 108-125.	0.1	6
88	Effect of Rare Earth Metals, Sr, and Ti Addition on the Microstructural Characterization of A413.1 Alloy. Advances in Materials Science and Engineering, 2017, 2017, 1-12.	1.0	14
89	Effect of Solidification Rate and Rare Earth Metal Addition on the Microstructural Characteristics and Porosity Formation in A356 Alloy. Advances in Materials Science and Engineering, 2017, 2017, 1-19.	1.0	7
90	Effect of Aluminum Addition on the Microstructure, Tensile Properties, and Fractography of Cast Mg-Based Alloys. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.0	13

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91	Effect of Sr-P Interaction on the Microstructure and Tensile Properties of A413.0 Type Alloys. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-11.	1.0	8
92	Effect of Mg Content and Heat Treatment on the Mechanical Properties of Low Pressure Die-Cast 380 Alloy. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-12.	1.0	4
93	Effects of La and Ce Addition on the Modification of Al-Si Based Alloys. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-13.	1.0	29
94	Effect of Rare Earth Metals on the Microstructure of Al-Si Based Alloys. <i>Materials</i> , 2016, 9, 45.	1.3	41
95	Metallurgical Parameters Controlling the Eutectic Silicon Characteristics in Be-Treated Al-Si-Mg Alloys. <i>Materials</i> , 2016, 9, 78.	1.3	19
96	The Effect of Bi-Sr and Ca-Sr Interactions on the Microstructure and Tensile Properties of Al-Si-Based Alloys. <i>Materials</i> , 2016, 9, 126.	1.3	14
97	Effect of metallurgical parameters on the microstructure, hardness impact properties, and fractography of Al-(6.5-11.5) wt% Si based alloys. <i>Materials and Design</i> , 2016, 107, 426-439.	3.3	18
98	Effect of Additions of SiC and Al ₂ O ₃ Particulates on the Microstructure and Tensile Properties of Al-Si-Cu-Mg Cast Alloys. <i>International Journal of Metalcasting</i> , 2016, 10, 253-263.	1.5	8
99	Influence of Metallurgical Parameters on the Impact Toughness of Near Eutectic Al-Si Alloys. <i>International Journal of Metalcasting</i> , 2016, 10, 276-288.	1.5	4
100	Optimizing the Heat Treatment of High-Strength 7075-Type Wrought Alloys: A Metallographic Study. <i>International Journal of Metalcasting</i> , 2016, 10, 264-275.	1.5	10
101	On the impact toughness of Al-Si cast alloys. <i>Materials and Design</i> , 2016, 91, 388-397.	3.3	30
102	Role of cerium, lanthanum, and strontium additions in an Al-Si-Mg (A356) alloy. <i>International Journal of Materials Research</i> , 2016, 107, 446-458.	0.1	15
103	Microstructural Characterization of Beryllium Treated Al-Si Alloys. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-10.	1.0	6
104	Effect of intermetallics on the microstructure and tensile properties of aluminum based alloys: Role of Sr, Mg and Be addition. <i>Materials and Design</i> , 2015, 86, 30-40.	3.3	19
105	On the impact toughness of Al-15 vol.% B ₄ C metal matrix composites. <i>Composites Part B: Engineering</i> , 2015, 79, 83-94.	5.9	59
106	Role of modification and melt thermal treatment processes on the microstructure and tensile properties of Al-Si alloys. <i>Materials & Design</i> , 2015, 80, 99-108.	5.1	47
107	Microstructural evolution during solidification of Al-Cu-based alloys. <i>International Journal of Materials Research</i> , 2015, 106, 1144-1153.	0.1	2
108	Role of Zr and Sc addition in controlling the microstructure and tensile properties of aluminum-copper based alloys. <i>Materials and Design</i> , 2015, 88, 1134-1144.	3.3	29

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109	Intermetallic phases in Al-Si based cast alloys: new perspective. International Journal of Cast Metals Research, 2014, 27, 107-114.	0.5	57
110	Effect of melt treatment on impact toughness of 356 type alloys. International Journal of Cast Metals Research, 2014, 27, 101-106.	0.5	0
111	On thermal analysis, macrostructure and microstructure of grain refined Al-Si-Mg cast alloys: role of Sr addition. International Journal of Cast Metals Research, 2014, 27, 257-266.	0.5	11
112	Optimizing the tensile properties of Al-Si-Cu-Mg 319-type alloys: Role of solution heat treatment. Materials & Design, 2014, 58, 426-438.	5.1	75
113	Effect of Fe content on the fracture behaviour of Al-Si-Cu cast alloys. Materials & Design, 2014, 57, 366-373.	5.1	64
114	The ambient and high temperature deformation behavior of Al-Si-Cu-Mg alloy with minor Ti, Zr, Ni additions. Materials & Design, 2014, 58, 89-101.	5.1	115
115	Effect of grain refiner on the tensile and impact properties of Al-Si-Mg cast alloys. Materials & Design, 2014, 56, 468-479.	5.1	105
116	Ni- and Zr-Based Intermetallics in Al-Si-Cu-Mg Cast Alloys. Metallography, Microstructure, and Analysis, 2014, 3, 408-420.	0.5	2
117	Impact toughness of Al-Si-Cu-Mg-Fe cast alloys: Effects of minor additives and aging conditions. Materials & Design, 2014, 60, 496-509.	5.1	26
118	A preliminary study on optimizing the heat treatment of high strength Al-Cu-Mg-Zn alloys. Materials & Design, 2014, 57, 342-350.	5.1	48
119	Effect of grain refining and Sr-modification interactions on the impact toughness of Al-Si-Mg cast alloys. Materials & Design, 2014, 56, 264-273.	5.1	84
120	Mechanical properties and fracture of Al-15 vol.-%B ₄ C based metal matrix composites. International Journal of Cast Metals Research, 2014, 27, 7-14.	0.5	37
121	Relationship between tensile and impact properties in Al-Si-Cu-Mg cast alloys and their fracture mechanisms. Materials & Design, 2014, 53, 938-946.	5.1	40
122	Effect of multi-temperature aging on the characterization of aluminum based castings heat treated using fluidized bed technique. Metals and Materials International, 2013, 19, 783-802.	1.8	2
123	Influence of Fluidized Bed Quenching on the Mechanical Properties and Quality Index of T6 Tempered B319.2-Type Aluminum Alloys. Journal of Materials Engineering and Performance, 2013, 22, 3476-3489.	1.2	2
124	Defects related to incipient melting in Al-Si-Cu-Mg alloys. Materials & Design, 2013, 52, 947-956.	5.1	31
125	Metallurgical parameters controlling matrix/B ₄ C particulate interaction in aluminium-boron carbide metal matrix composites. International Journal of Cast Metals Research, 2013, 26, 364-373.	0.5	19
126	Microstructure, tensile properties and fracture behavior of high temperature Al-Si-Mg-Cu cast alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 577, 64-72.	2.6	117

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127	Mechanical characterisation and quality index of A356-type aluminium castings heat treated using fluidised bed quenching. <i>Materials Science and Technology</i> , 2013, 29, 412-425.	0.8	6
128	Effects of grain refiner additions (Zr, Ti+ B) and of mould variables on hot tearing susceptibility of recently developed Al+2 wt-%Cu alloy. <i>International Journal of Cast Metals Research</i> , 2013, 26, 308-317.	0.5	12
129	Intermetallic phases observed in non-modified and Sr modified Al+Si cast alloys containing mischmetal. <i>International Journal of Cast Metals Research</i> , 2013, 26, 1-15.	0.5	14
130	Effect of Mg addition of microstructure of 319 type alloys. <i>International Journal of Cast Metals Research</i> , 2013, 26, 354-363.	0.5	13
131	Effect of rapid heating on quality assessment of 356 and 319 aluminium cast alloys using fluidised bed. <i>International Journal of Cast Metals Research</i> , 2012, 25, 129-143.	0.5	2
132	Influence of Mg and solution heat treatment on the occurrence of incipient melting in Al+Si+Cu+Mg cast alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 543, 22-34.	2.6	78
133	Influence of Aging Parameters on the Tensile Properties and Quality Index of Al-9%Si-1.8%Cu-0.5%Mg 354-Type Casting Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 61-73.	1.1	46
134	Aging behavior of 359-type Al+9%Si+0.5%Mg casting alloys. <i>Journal of Materials Science</i> , 2012, 47, 1331-1338.	1.7	13
135	Influence of additions of Zr, Ti+ B, Sr, and Si as well as of mold temperature on the hot-tearing susceptibility of an experimental Al+2% Cu+1%Si alloy. <i>Journal of Materials Science</i> , 2012, 47, 4146-4158.	1.7	30
136	Effects of Sr-modification, iron-based intermetallics and aging treatment on the impact toughness of 356 Al+Si+Mg alloy. <i>Journal of Materials Science</i> , 2011, 46, 3027-3045.	1.7	51
137	Serrated Flow and Enhanced Ductility in Coarse-Grained Al-Mg Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1028-1037.	1.1	3
138	Influence of fluidized sand bed heat treatment on the performance of Al+Si cast alloys. <i>Materials & Design</i> , 2011, 32, 1177-1193.	5.1	18
139	Metallurgical parameters controlling the microstructure and hardness of Al+Si+Cu+Mg base alloys. <i>Materials & Design</i> , 2011, 32, 2130-2142.	5.1	94
140	The role of alloying additives and aging treatment on the impact behavior of 319 cast alloy. <i>Materials & Design</i> , 2011, 32, 3205-3220.	5.1	41
141	Impact toughness and fractography of Al+Si+Cu+Mg base alloys. <i>Materials & Design</i> , 2011, 32, 3900-3910.	5.1	45
142	Precipitation-hardening in cast Al+Si+Cu+Mg alloys. <i>Journal of Materials Science</i> , 2010, 45, 641-651.	1.7	68
143	Effects of Mg, Fe, Be additions and solution heat treatment on the Fe-AlMgFeSi iron intermetallic phase in Al+7Si+Mg alloys. <i>Journal of Materials Science</i> , 2010, 45, 1528-1539.	1.7	46
144	Parameters controlling the microstructure of Al+11Si+2.5Cu+Mg alloys. <i>Materials & Design</i> , 2010, 31, 902-912.	5.1	37

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145	Influence of aging treatments and alloying additives on the hardness of Al ¹¹ Si ^{2.5} Cu ² Mg alloys. <i>Materials & Design</i> , 2010, 31, 3791-3803.	5.1	34
146	Effects of aging parameters on the quality of 413-type commercial alloys. <i>Materials & Design</i> , 2009, 30, 1014-1025.	5.1	10
147	Precipitation of β -Al ₅ FeSi Phase Platelets in Al-Si Based Casting Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 2457-2469.	1.1	36
148	Influence of additives on the impact toughness of Al ^{10.8} Si near-eutectic cast alloys. <i>Materials & Design</i> , 2009, 30, 4218-4229.	5.1	44
149	Influence of additives on the microstructure and tensile properties of near-eutectic Al ^{10.8} Si cast alloy. <i>Materials & Design</i> , 2009, 30, 3943-3957.	5.1	157
150	The effects of mischmetal, cooling rate and heat treatment on the hardness of A319.1, A356.2 and A413.1 Al ^{Si} casting alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 241-252.	2.6	50
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