

Yucel Birol

List of Publications by Year in Descending Order

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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.

172
papers

3,335
citations

31
h-index

46
g-index

173
ext. papers

3,654
ext. citations

3.3
avg. IF

6.5
L-index

#	Paper	IF	Citations
172	Effect of Vanadium and Zirconium Additions on Mechanical Properties and Microstructure of Gravity Die-Cast AlSi9Cu2 Alloy Cylinder Heads. <i>International Journal of Metalcasting</i> , 2019 , 13, 137-145	1.4	5
171	AlSi5Mg0.3 Alloy for the Manufacture of Automotive Wheels. <i>International Journal of Metalcasting</i> , 2018 , 12, 614-624	1.4	5
170	Optimization of the Strontium Modification Process in Gravity Permanent Mould Tilt Cast AlSi6Cu4 Cylinder Heads. <i>International Journal of Metalcasting</i> , 2018 , 12, 266-274	1.4	3
169	A calorimetric analysis of the response to heating of EN AW-2014 alloy formed in the liquid, solid and semi-solid states. <i>Thermochimica Acta</i> , 2018 , 663, 189-193	2.9	
168	Optimising the T6 heat treatment for gravity cast AlSi7MgCu0.5 alloy V8 cylinder heads. <i>International Journal of Cast Metals Research</i> , 2017 , 30, 244-250	1	4
167	A calorimetric analysis of the precipitation reactions in AlSi1MgMn alloy with Cu additions. <i>Thermochimica Acta</i> , 2017 , 650, 39-43	2.9	6
166	Potential of twin-belt-cast EN AW 6082 blanks for the manufacture of wishbone suspension forgings. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 92, 3693-3701	3.2	5
165	Melt treatment of AlBi foundry alloys with B and Sr additions. <i>Journal of Materials Science</i> , 2017 , 52, 6856-6865	4.3	10
164	Processing of twin-roll cast thin AlFeSi strips for the manufacture of aluminium finstock. <i>Metallurgical Research and Technology</i> , 2017 , 114, 202	0.9	0
163	Effect of Copper on Corrosion of Forged AlSi1MgMn Automotive Suspension Components. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 4188-4196	1.6	1
162	Effect of iron on microstructure and mechanical properties of primary AlSi7Mg0.3 alloy. <i>International Journal of Cast Metals Research</i> , 2017 , 30, 96-102	1	10
161	Effect of Strontium Addition on Microstructure and Mechanical Properties of AlSi7Mg0.3 Alloy. <i>International Journal of Metalcasting</i> , 2017 , 11, 688-695	1.4	6
160	Potential of horizontal direct chill cast EN AW 6082 rods as forging stock in the manufacture of light weight suspension components. <i>Metallurgical Research and Technology</i> , 2017 , 114, 209	0.9	2
159	Processing of high strength EN AW 6082 forgings without a solution heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 674, 25-32	5.3	24
158	Low-temperature synthesis of MgB2 via powder metallurgy processing. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	1
157	Synthesis of AlBrB6 composite via powder metallurgy processing. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 677-682	3.3	3
156	Effect of extrusion press exit temperature and chromium on grain structure of EN AW 6082 alloy forgings. <i>Materials Science and Technology</i> , 2015 , 31, 207-211	1.5	9

155	A novel processing route for the manufacture of EN AW 6082 forged components. <i>Materials Research Innovations</i> , 2015 , 19, S10-311-S10-314	1.9	4
154	Grain refining aluminium foundry alloys with commercial AlB master alloys. <i>Materials Science and Technology</i> , 2014 , 30, 277-282	1.5	9
153	Grain refining AlSi7Mg0B foundry alloy with commercial AlB master alloy. <i>Materials Science and Technology</i> , 2014 , 30, 465-470	1.5	4
152	Cooling slope casting to produce EN AW 6082 forging stock for manufacture of suspension components. <i>Transactions of Nonferrous Metals Society of China</i> , 2014 , 24, 1674-1682	3.3	18
151	Effect of Cr and Zr on the grain structure of extruded EN AW 6082 alloy. <i>Metals and Materials International</i> , 2014 , 20, 727-732	2.4	10
150	Effect of cast and extruded stock on grain structure of EN AW 6082 alloy forgings. <i>Materials Science and Technology</i> , 2014 , 30, 860-866	1.5	11
149	Grain refinement and modification of AlBi foundry alloys with B and Sr additions. <i>Materials Science and Technology</i> , 2014 , 30, 1154-1161	1.5	13
148	Homogenization of direct chill cast AlSi1MgMn billets. <i>International Journal of Materials Research</i> , 2014 , 105, 75-82	0.5	5
147	Comparison of Cast and Extruded Stock for the Forging of AA6082 Alloy Suspension Parts. <i>Advanced Materials Research</i> , 2014 , 939, 299-304	0.5	9
146	Corrosion of twin belt and twin roll cast AlMg3Mn alloys. <i>Corrosion Engineering Science and Technology</i> , 2014 , 49, 228-235	1.7	1
145	Investigation of wear behaviour of thixoformed and conventional gravity cast AlSi8Cu3Fe alloys. <i>Industrial Lubrication and Tribology</i> , 2014 , 66, 46-50	1.3	1
144	Corrosion behaviour of twin belt cast EN AW 7075 alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013 , 64, 881-889	1.6	1
143	Homogenization of EN AW 6005A Alloy for Improved Extrudability. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 504-511	2.3	10
142	Response to Thermal Exposure of Ball-Milled Cu-Mg/B ₂ O ₃ Powder Blends. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013 , 44, 969-973	2.5	
141	Response to Thermal Exposure of Ball-Milled Aluminum-Borax Powder Blends. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013 , 44, 359-364	2.5	1
140	Effect of Welding Parameters on the Microstructure and Strength of Friction Stir Weld Joints in Twin Roll Cast EN AW Al-Mn1Cu Plates. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 3024-3033	1.6	8
139	Effect of welding parameters on microstructure and mechanical properties of friction stir welded EN AW 5083 H111 plates. <i>Materials Science and Technology</i> , 2013 , 29, 1354-1362	1.5	21
138	Sliding wear of CrN, AlCrN and AlTiN coated AISI H13 hot work tool steels in aluminium extrusion. <i>Tribology International</i> , 2013 , 57, 101-106	4.9	64

137	Precipitation during homogenization cooling in AlMgSi alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 1875-1881	3.3	21
136	Optimization of homogenization for a low alloyed AlMgSi alloy. <i>Materials Characterization</i> , 2013 , 80, 69-75	3.9	26
135	Evolution of globular microstructures during processing of aluminium slurries. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 1-6	3.3	12
134	Formation of pinch marks on pack rolled aluminium foil. <i>Engineering Failure Analysis</i> , 2013 , 28, 82-89	3.2	3
133	Impact of grain size on mechanical properties of AlSi7Mg0.3 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 559, 394-400	5.3	54
132	Evolution of grain structure across joints in friction stir welded EN AW 5083 H111 plates during thermal exposure. <i>Materials Science and Technology</i> , 2013 , 29, 1283-1289	1.5	7
131	Friction stir welding of twin-roll cast EN AW 3003 plates. <i>Metals and Materials International</i> , 2013 , 19, 1259-1266	2.4	8
130	Effect of homogenisation cooling rate and press exit temperature on extrudability and T5 hardness of EN AW 6082 alloy. <i>Materials Science and Technology</i> , 2013 , 29, 1518-1521	1.5	4
129	Efficiency of binary and ternary alloys from AlTiB system in grain refining aluminium foundry alloys. <i>International Journal of Cast Metals Research</i> , 2013 , 26, 283-288	1	10
128	Design of potent grain refiners for wrought aluminium alloys. <i>International Journal of Cast Metals Research</i> , 2013 , 26, 273-278	1	2
127	Effect of solute Si and Cu on grain size of aluminium alloys. <i>International Journal of Cast Metals Research</i> , 2013 , 26, 22-27	1	14
126	Heat treatment of twin-belt cast EN AW 7075 alloy. <i>Materials Characterization</i> , 2012 , 63, 1-8	3.9	8
125	Age hardening of EN AW 2014 alloy extruded in the semi-solid state. <i>Materials Chemistry and Physics</i> , 2012 , 131, 694-697	4.4	5
124	Impact of interannealing on recrystallization during final annealing in twin-belt cast AlBeSi sheet. <i>International Journal of Materials Research</i> , 2012 , 103, 992-997	0.5	
123	Effect of processing on structural features of anodic aluminum oxides. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 108, 587-592	2.6	1
122	Grain refinement of AlCu foundry alloys with B additions. <i>International Journal of Cast Metals Research</i> , 2012 , 25, 117-120	1	9
121	Performance of AlTiB and AlB grain refiners in investment casting of AlSi7Mg0.3 alloy with preheated ceramic moulds. <i>International Journal of Cast Metals Research</i> , 2012 , 25, 296-300	1	8
120	Effect of solute Mg on grain size of aluminium alloys. <i>Materials Science and Technology</i> , 2012 , 28, 924-927.5		13

119	Effect of silicon content in grain refining hypoeutectic AlSi foundry alloys with boron and titanium additions. <i>Materials Science and Technology</i> , 2012 , 28, 385-389	1.5	49
118	Grain refinement of pure aluminium and AlSi with AlB master alloy. <i>Materials Science and Technology</i> , 2012 , 28, 363-367	1.5	36
117	Potential of cast EN AW7075 billet as thixoforming feedstock. <i>Materials Science and Technology</i> , 2012 , 28, 553-559	1.5	2
116	Heat treatment of thixoformed EN AW 7075 alloy. <i>Materials Science and Technology</i> , 2012 , 28, 651-657	1.5	2
115	Interaction of grain refinement with B and modification with Sr in aluminium foundry alloys. <i>Materials Science and Technology</i> , 2012 , 28, 70-76	1.5	19
114	Performance of AlTi5B1, AlTi3B3 and AlB3 master alloys in refining grain structure of aluminium foundry alloys. <i>Materials Science and Technology</i> , 2012 , 28, 481-486	1.5	52
113	Effect of chemical etching on the morphology of anodic aluminum oxides in the two-step anodization process. <i>Applied Surface Science</i> , 2012 , 258, 4544-4550	6.7	20
112	AlB3 master alloy to grain refine AlSi10Mg and AlSi12Cu aluminium foundry alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 150-153	5.7	66
111	Analysis of wear of a gas nitrided H13 tool steel die in aluminium extrusion. <i>Engineering Failure Analysis</i> , 2012 , 26, 203-210	3.2	22
110	Performance of gas nitrided and AlTiN coated AISI H13 hot work tool steel in aluminium extrusion. <i>Surface and Coatings Technology</i> , 2012 , 207, 461-466	4.4	21
109	Effect of cooling rate on precipitation during homogenization cooling in an excess silicon AlMgSi alloy. <i>Materials Characterization</i> , 2012 , 73, 37-42	3.9	27
108	Aluminothermic reduction of boron oxide for the manufacture of AlB alloys. <i>Materials Chemistry and Physics</i> , 2012 , 136, 963-966	4.4	21
107	Isothermal oxidation of plasma-nitrided hot-work tool steel at 750°C. <i>Materials at High Temperatures</i> , 2012 , 29, 17-22	1.1	
106	Improved halide salt process to produce AlB master alloys. <i>Materials Science and Technology</i> , 2011 , 27, 1846-1850	1.5	23
105	Response to thermal cycling of duplex-coated hot work tool steels at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 8402-8409	5.3	12
104	Investigation of Isothermal and Cyclic Oxidation of Plasma-Nitrided Hot-Work Tool Steel at Elevated Temperatures. <i>Oxidation of Metals</i> , 2011 , 76, 399-417	1.6	2
103	Thermal cycling of AlTiN- and AlTiON-coated hot work tool steels at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4703-4709	5.3	21
102	Response to T6 heat treatment of extruded and thixoformed EN AW 2014 alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 5636-5647	5.3	9

101	Effect of post-oxidation treatment on thermal fatigue behaviour of plasma nitrided hot work tool steel at elevated temperatures. <i>Surface and Coatings Technology</i> , 2011 , 205, 2763-2769	4.4	9
100	Thermal Fatigue Testing of Plasma Transfer Arc Stellite Coatings on Hot Work Tool Steels under Steel Thixoforming Conditions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 3277-3283	2.3	4
99	High-Temperature Sliding Wear Testing of Cathodic Arc Physical Vapor Deposition AlTiN- and AlTiON-Coated Hot Work Tool Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 3316-3322	2.3	3
98	Thermal Cycling of Yttria-Stabilized Zirconia-Coated Hot Work Tool Steel. <i>Journal of Thermal Spray Technology</i> , 2011 , 20, 1110-1117	2.5	4
97	Extrusion of EN AW-2014 alloy in semisolid state. <i>Materials Science and Technology</i> , 2011 , 27, 1851-1857	1.5	8
96	A novel C-free Co-based alloy for high temperature tooling applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1117-1124	5.3	24
95	Thixoforming of EN AW-2014 alloy at high solid fraction. <i>Journal of Materials Processing Technology</i> , 2011 , 211, 1749-1756	5.3	27
94	Abrasive wear performance of AlCrN-coated hot work tool steel at elevated temperatures under three-body regime. <i>Wear</i> , 2011 , 270, 281-286	3.5	13
93	Metallographic investigation of hot tear in direct chill cast Al ₇₅ Ni ₂₅ Mg billet. <i>International Journal of Cast Metals Research</i> , 2011 , 24, 1-5	1	2
92	Response to thermal cycling of tool materials under steel thixoforming conditions. <i>Ironmaking and Steelmaking</i> , 2010 , 37, 41-46	1.3	18
91	Survey of inclusions in twin roll casting of wrought aluminium alloys. <i>International Journal of Cast Metals Research</i> , 2010 , 23, 250-255	1	6
90	Internal cooling process to prepare aluminium rheocasting feedstock. <i>International Journal of Cast Metals Research</i> , 2010 , 23, 55-59	1	5
89	Inconel 617 and Stellite 6 alloys for tooling in thixoforming of steels. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 1656-1662	3.3	14
88	AlTiN and AlTiON-coated hot work tool steels for tooling in steel thixoforming. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, s1022-s1028	3.3	8
87	Effect of solution heat treatment on the age hardening capacity of dendritic and globular AlSi7Mg0.6 alloys. <i>International Journal of Materials Research</i> , 2010 , 101, 439-444	0.5	9
86	Response to thermal cycling of CAPVD (Al,Cr)N-coated hot work tool steel. <i>Surface and Coatings Technology</i> , 2010 , 205, 275-280	4.4	31
85	Testing of a novel CrNiCo alloy for tooling applications in semi-solid processing of steels. <i>International Journal of Material Forming</i> , 2010 , 3, 65-70	2	20
84	Ni- and Co-based superalloys as potential tool materials for thixoforming of steels. <i>International Journal of Material Forming</i> , 2010 , 3, 739-742	2	5

83	PVD coated hot work tool steels for tooling applications in semi-solid processing of steels. <i>International Journal of Material Forming</i> , 2010 , 3, 747-750	2	7
82	Thermal fatigue testing of CuCrZr alloy for high temperature tooling applications. <i>Journal of Materials Science</i> , 2010 , 45, 4501-4506	4.3	11
81	Impact of pre-ageing on age hardening response of twin-belt cast AlMg1SiCu sheet. <i>Journal of Materials Science</i> , 2010 , 45, 6727-6731	4.3	7
80	Thermal fatigue testing of Inconel 617 and Stellite 6 alloys as potential tooling materials for thixoforming of steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1938-1945	5.3	54
79	Thermal fatigue testing of Stellite 6-coated hot work tool steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 6091-6097	5.3	37
78	High-temperature abrasive wear testing of potential tool materials for thixoforming of steels. <i>Tribology International</i> , 2010 , 43, 2222-2230	4.9	6
77	Response to thermal cycling of plasma nitrided hot work tool steel at elevated temperatures. <i>Surface and Coatings Technology</i> , 2010 , 205, 597-602	4.4	12
76	High temperature sliding wear behaviour of Inconel 617 and Stellite 6 alloys. <i>Wear</i> , 2010 , 269, 664-671	3.5	75
75	Impact of partial recrystallization on the performance of 6005A tube extrusions. <i>Engineering Failure Analysis</i> , 2010 , 17, 1110-1116	3.2	11
74	Ni-based superalloy as a potential tool material for thixoforming of steels. <i>Ironmaking and Steelmaking</i> , 2009 , 36, 555-560	1.3	22
73	Effect of bulk die temperature on die cavity surface strains in thixoforming of steels. <i>Ironmaking and Steelmaking</i> , 2009 , 36, 397-400	1.3	16
72	Impact of homogenization on recrystallization of a supersaturated AlMn alloy. <i>Scripta Materialia</i> , 2009 , 60, 5-8	5.6	29
71	Interannealing twin-roll cast AlBeSi strips without homogenization. <i>Scripta Materialia</i> , 2009 , 61, 185-188	5.6	7
70	Response to annealing treatment of a twin-roll cast thin AlFeMnSi strip. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 506-510	5.3	16
69	Production of AlB alloy by heating Al/KBF ₄ powder blends. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 195-198	5.7	26
68	Forming of AlSi8Cu3Fe alloy in the semi-solid state. <i>Journal of Alloys and Compounds</i> , 2009 , 470, 183-187	5.7	27
67	Homogenization of a twin-roll cast thin AlMn strip. <i>Journal of Alloys and Compounds</i> , 2009 , 471, 122-127	5.7	37
66	Semi-solid processing of the primary aluminium die casting alloy A365. <i>Journal of Alloys and Compounds</i> , 2009 , 473, 133-138	5.7	54

65	Analysis of the response to thermal exposure of Al/K ₂ TiF ₆ powder blends. <i>Journal of Alloys and Compounds</i> , 2009 , 478, 265-268	5-7	10
64	Thermomechanical processing of an aluminium casting alloy for thixoforming. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 113-120	5-7	6
63	Al ₃ TiB ₂ grain refiners via powder metallurgy processing of Al/K ₂ TiF ₆ /KBF ₄ powder blends. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 311-314	5-7	20
62	Internal cooling to produce aluminium alloy slurries for rheocasting. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 365-368	5-7	11
61	Response to artificial ageing of dendritic and globular Al ₃ SiMg alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 164-167	5-7	34
60	Solid fraction analysis with DSC in semi-solid metal processing. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 173-177	5-7	28
59	Analysis of macro segregation in twin-roll cast aluminium strips via solidification curves. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 168-172	5-7	44
58	A novel Al ₃ TiB ₂ alloy for grain refining AlSi foundry alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 219-222	5-7	61
57	Recrystallization of twin-roll cast AlBeSi foil stock processed without homogenization. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 112-116	5-7	6
56	Recrystallization of a supersaturated AlMn alloy. <i>Scripta Materialia</i> , 2008 , 59, 611-614	5-6	33
55	In situ synthesis of Al ₃ TiCp composites by reacting K ₂ TiF ₆ and particulate graphite in molten aluminium. <i>Journal of Alloys and Compounds</i> , 2008 , 454, 110-117	5-7	53
54	Response to thermal exposure of Al/K ₂ TiF ₆ /C powder blends. <i>Journal of Alloys and Compounds</i> , 2008 , 455, 164-167	5-7	17
53	Thixoforging experiments with 6082 extrusion feedstock. <i>Journal of Alloys and Compounds</i> , 2008 , 455, 178-185	5-7	20
52	Production of Al ₃ TiB ₂ grain refining master alloys from Na ₂ B ₄ O ₇ and K ₂ TiF ₆ . <i>Journal of Alloys and Compounds</i> , 2008 , 458, 271-276	5-7	37
51	Response to annealing treatments of twin-roll cast thin AlBeSi strips. <i>Journal of Alloys and Compounds</i> , 2008 , 458, 265-270	5-7	20
50	Response to thermal exposure of the mechanically alloyed Al/C powder blends. <i>Journal of Alloys and Compounds</i> , 2008 , 460, L1-L5	5-7	11
49	Comparison of thixoformability of AA6082 reheated from the as-cast and extruded states. <i>Journal of Alloys and Compounds</i> , 2008 , 461, 132-138	5-7	25
48	The Use of CrNiCo-Based Superalloy as Die Material in Semi-Solid Processing of Steels. <i>Solid State Phenomena</i> , 2008 , 141-143, 289-294	0-4	18

47	Fatigue failures in low pressure die cast AlSi10Mg cylinder heads. <i>International Journal of Cast Metals Research</i> , 2008 , 21, 408-415	1	8
46	DSC analysis of the precipitation reaction in AA6005 alloy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 93, 977-981	4-1	20
45	Semisolid processing of near-eutectic and hypereutectic AlSiCu alloys. <i>Journal of Materials Science</i> , 2008 , 43, 3577-3581	4-3	23
44	Effect of homogenization on recrystallization in a twin-roll cast AlBeSi alloy. <i>Journal of Materials Science</i> , 2008 , 43, 4652-4657	4-3	8
43	Wear properties of thixoformed AlSiCuFe alloys. <i>International Journal of Material Forming</i> , 2008 , 1, 981-984	2	3
42	Thermomechanical processing of a twin-roll cast AlFe0.2Si alloy. <i>Journal of Materials Processing Technology</i> , 2008 , 202, 564-568	5-3	27
41	Cooling slope casting and thixoforming of hypereutectic A390 alloy. <i>Journal of Materials Processing Technology</i> , 2008 , 207, 200-203	5-3	74
40	Wear properties of high-pressure die cast and thixoformed aluminium alloys for connecting rod applications in compressors. <i>Wear</i> , 2008 , 265, 590-597	3-5	17
39	Sliding wear behaviour of thixoformed AlSiCuFe alloys. <i>Wear</i> , 2008 , 265, 1902-1908	3-5	22
38	A357 thixoforming feedstock produced by cooling slope casting. <i>Journal of Materials Processing Technology</i> , 2007 , 186, 94-101	5-3	98
37	Response to thermal exposure of the mechanically alloyed AlTi/C powders. <i>Journal of Materials Science</i> , 2007 , 42, 5123-5128	4-3	12
36	Thixoforming of non-dendritic AA6061 feedstock produced by low superheat casting with and without a cooling slope. <i>International Journal of Materials Research</i> , 2007 , 98, 1019-1024	0-5	15
35	Reversion Treatment to Improve Bake Hardening Response of a Twin-Roll Cast 6016 Automotive Sheet. <i>Materials Science Forum</i> , 2007 , 539-543, 345-350	0-4	2
34	Thermomechanical processing of AA6061 billets for semi-solid forming. <i>International Journal of Materials Research</i> , 2007 , 98, 53-59	0-5	12
33	The effect of holding conditions in the conventional halide salt process on the performance of AlTiB grain refiner alloys. <i>Journal of Alloys and Compounds</i> , 2007 , 427, 142-147	5-7	33
32	The performance of AlTiCu grain refiners in twin-roll casting of aluminium foilstock. <i>Journal of Alloys and Compounds</i> , 2007 , 430, 179-187	5-7	27
31	Microstructural evolution during annealing of a rapidly solidified AlMg2Si alloy. <i>Journal of Alloys and Compounds</i> , 2007 , 439, 81-86	5-7	53
30	Production of AlTiB master alloys from Ti sponge and KBF4. <i>Journal of Alloys and Compounds</i> , 2007 , 440, 108-112	5-7	49

29	Production of AlTiB grain refining master alloys from B ₂ O ₃ and K ₂ TiF ₆ . <i>Journal of Alloys and Compounds</i> , 2007 , 443, 94-98	5.7	46
28	Restoration of the bake hardening response in a naturally aged twin-roll cast AlMgSi automotive sheet. <i>Scripta Materialia</i> , 2006 , 54, 2003-2008	5.6	28
27	The interaction of natural ageing with straining in a twin-roll cast AlMgSi automotive sheet. <i>Scripta Materialia</i> , 2006 , 55, 625-628	5.6	34
26	Effect of processing on microstructure, texture and mechanical properties of twin roll cast 5754 sheet. <i>Materials Science and Technology</i> , 2006 , 22, 987-994	1.5	8
25	Production of AA6082 Feedstock for Forming in the Semi-Solid State. <i>Materials Science Forum</i> , 2006 , 519-521, 1919-1924	0.4	13
24	An improved practice to manufacture AlTiB master alloys by reacting halide salts with molten aluminium. <i>Journal of Alloys and Compounds</i> , 2006 , 420, 71-76	5.7	63
23	Effect of the salt addition practice on the grain refining efficiency of AlTiB master alloys. <i>Journal of Alloys and Compounds</i> , 2006 , 420, 207-212	5.7	43
22	Grain refining efficiency of AlTiC alloys. <i>Journal of Alloys and Compounds</i> , 2006 , 422, 128-131	5.7	76
21	The effect of processing and Mn content on the T5 and T6 properties of AA6082 profiles. <i>Journal of Materials Processing Technology</i> , 2006 , 173, 84-91	5.3	48
20	DSC Analysis of the precipitation reactions in the alloy AA6082. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 83, 219-222	4.1	19
19	Pre-aging to improve bake hardening in a twin-roll cast AlMgSi alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 391, 175-180	5.3	117
18	Pre-straining to improve the bake hardening response of a twin-roll cast AlMgSi alloy. <i>Scripta Materialia</i> , 2005 , 52, 169-173	5.6	89
17	The effect of sample preparation on the DSC analysis of 6061 alloy. <i>Journal of Materials Science</i> , 2005 , 40, 6357-6361	4.3	10
16	Effect of natural ageing on the performance of pre-ageing to improve bake-hardening response of a twin-roll cast AlMgSi alloy. <i>International Journal of Materials Research</i> , 2005 , 96, 380-384		9
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