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## Recently-Developed Aluminium Solutions for Aerospace Applications

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#	Paper	IF	Citations
198	Evolution of voids during ductile crack propagation in an aluminium alloy sheet toughness test studied by synchrotron radiation computed tomography. <b>2008</b> , 56, 1671-1679		57
197	The effect of silver on microstructural evolution in two 2xxx series Al-alloys with a high Cu:Mg ratio during ageing to a T8 temper. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 491, 214-223	5.3	98
196	Effect of one-step aging on microstructure and properties of a novel Al-Zn-Mg-Cu-Zr alloy. <b>2009</b> , 52, 67-71		15
195	Interface Effects on the Fracture Mechanism of a High-Toughness Aluminum-Composite Laminate. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2009</b> , 40, 69-79	2.3	32
194	THE EFFECT OF RRA ON THE MICROSTRUCTURE AND PROPERTIES OF A NOVEL Al-Zn-Mg-Cu-Zr ALLOY. <b>2009</b> , 23, 900-905		7
193	Properties, Use, and Performance of Aluminum and Its Alloys. <b>2010</b> , 121-175		1
192	Existing form and action mechanism of minor scandium and zirconium in Al-Cu-Mg alloy. <b>2010</b> , 17, 19-23		5
191	Microstructure and property development in spray formed and extruded Al-Mg-Li-Zr alloys for aerospace and autosport applications. <b>2010</b> , 41, 562-567		2
190	Enhanced performance of the AA2050-T8 aluminium alloy following excimer laser surface melting and anodising processes. <b>2010</b> , 518, 2722-2731		20
189	Evolution of precipitate microstructures during the retrogression and re-ageing heat treatment of an AlZnMgCu alloy. <b>2010</b> , 58, 4814-4826		220
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187	Effects of Combined Zr and Mn Additions on Dispersoid Formation and Recrystallisation Behaviour of AA2198 Sheet. <b>2010</b> , 89-91, 568-573		10
186	Effect of Aging Treatment on Properties and Microstructure of an Al-7.5Zn-1.3Mg-1.4Cu-0.12Zr Alloy. <i>Materials Science Forum</i> , <b>2010</b> , 638-642, 273-278	0.4	3
185	Anisotropic Deformation and Damage in Aluminium 2198 T8 Sheets. <b>2010</b> , 19, 131-152		27
184	Effect of Zr Addition on Microstructure and Warm Formability of Al-Mg Sheet Alloys. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 1010-1013	0.4	
183	Relationship between microstructure and corrosion performance of AA2050-T8 aluminium alloy after excimer laser surface melting. <i>Corrosion Science</i> , <b>2010</b> , 52, 2179-2187	6.8	35
182	Microstructure evolution of aluminum-lithium alloy 2195 undergoing commercial production. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2010</b> , 20, 740-745	3.3	29

181	Investigation of microstructure and mechanical properties of GTAW and GMAW joints on AA7075 aluminum alloy. <b>2010</b> ,		3
180	Anodic Film Formation on AA 2099-T8 Aluminum Alloy in Tartaric Sulfuric Acid. <b>2011</b> , 158, C17		36
179	Distribution of intermetallics in an AA 2099-T8 aluminium alloy extrusion. <b>2011</b> , 126, 46-53		92
178	Study of isothermal $\theta$ (Al <sub>3</sub> Li) precipitation in an Al <sub>3</sub> Li alloy by thermoelectric power. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 3144-3150	4-3	9
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175	A combined approach to microstructure mapping of an Al <sub>3</sub> Li AA2199 friction stir weld. <b>2011</b> , 59, 3002-3011		93
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172	Influence of repetitious-RRA treatment on the strength and SCC resistance of Al <sub>70</sub> Mg <sub>20</sub> Cu alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 4014-4018	5-3	91
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152	Investigation of Microstructure and Properties of an Al-Zn-Mg-Cu Alloy. <b>2013</b> , 668, 885-889		1
151	Influence of Natural Ageing and Deformation on Precipitation in an AlCuLi Alloy. <b>2013</b> , 15, 1082-1085		26
150	Hot Deformation Behavior of an Al-7.6Zn-1.8Mg-1.4Cu-0.12Zr Alloy. <b>2013</b> , 1265-1270		
149	Effect of salt-water fog on fatigue crack nucleation of Al and Al-Li alloys. <b>2014</b> , 17, 250-254		10
148	Mechanical Property and Intergranular Corrosion Sensitivity of Zn-Free and Zn-Microalloyed Al-2.7Cu-1.7Li-0.3Mg Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 5736-5748	2.3	14
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1 Electrochemical Characteristics of Intermetallic Phases in AlCuLi Alloys. **2023**, 170, 021502

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