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Grain refinement of aluminium and its alloys by heterogeneous nucleation and alloying

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#	Paper	IF	Citations
659	Grain refinement of Al-7Si alloys and the efficiency assessment by recognition of cooling curves. <b>2003</b> , 34, 1175-1182		23
658	Influence of thermo-mechanical treatment of Al <sub>5</sub> Ti master alloy on its grain refining performance on aluminium. <b>2003</b> , 351, 237-243		15
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327	Influence of pulse magneto-oscillation on the efficiency of grain refiner. <b>2017</b> , 5, 143-148		5
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324	A Review on Grain Refinement of Aluminum Alloys: Progresses, Challenges and Prospects. <b>2017</b> , 30, 409-432		101
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320	3D printing of high-strength aluminium alloys. <b>2017</b> , 549, 365-369		1133
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3 <sup>17</sup>	Review of Grain Refinement of Cast Metals Through Inoculation: Theories and Developments. <b>2017</b> , 48, 4755-4776		3 <sup>0</sup>
3 <sup>16</sup>	Harnessing heterogeneous nucleation to control tin orientations in electronic interconnections. <b>2017</b> , 8, 1916		32
3 <sup>15</sup>	Dry Wear Behavior of Heat Treated A413 Alloy. <b>2017</b> , 4, 10714-10720		
3 <sup>14</sup>	Grain refinement of binary Al-Si, Al-Cu and Al-Ni alloys by ultrasonication. <b>2017</b> , 249, 367-378		4 <sup>0</sup>
3 <sup>13</sup>	Direct Electrosynthesis of Fe-TiC Composite from Natural Ilmenite in Molten Calcium Chloride. <b>2017</b> , 164, D533-D542		5
3 <sup>12</sup>	Grain Refinement. <b>2017</b> , 211-234		
3 <sup>11</sup>	On the microstructural refinement in commercial purity Al and Al-10 wt% Cu alloy under ultrasonication during solidification. <b>2017</b> , 132, 266-274		4 <sup>1</sup>
3 <sup>10</sup>	Grain Refinement Mechanism and Effective Nucleation Phase of Al-5Ti-1B Master Alloy. <b>2017</b> , 898, 1231-1235	2	
3 <sup>09</sup>	Grain Coarsening of Cast Magnesium Alloys at High Cooling Rate: A New Observation. <b>2017</b> , 48, 474-481		19
3 <sup>08</sup>	Potential of an Al-Ti-MgAl <sub>2</sub> O <sub>4</sub> Master Alloy and Ultrasonic Cavitation in the Grain Refinement of a Cast Aluminum Alloy. <b>2017</b> , 48, 208-219		10
3 <sup>07</sup>	Effects of ultrasonic vibration treatment on particles distribution of TiB <sub>2</sub> particles reinforced aluminum composites. <b>2017</b> , 680, 437-443		35
3 <sup>06</sup>	Effect of ingot grain refinement on the tensile properties of 2024 Al alloy sheets. <b>2017</b> , 682, 1-11		14
3 <sup>05</sup>	Improvement of particles distribution of in-situ 5vol% TiB <sub>2</sub> particulates reinforced Al-4.5Cu alloy matrix composites with ultrasonic vibration treatment. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 692, 1-9	5-7	7 <sup>0</sup>
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3 <sup>03</sup>	Numerical and Experimental Investigation of the Influence of Growth Restriction on Grain Size in Binary Cu Alloys. <i>Metals</i> , <b>2017</b> , 7, 383	2-3	2
3 <sup>02</sup>	Microstructure and Mechanical Properties of Ti6Al4V Alloy Modified and Reinforced by In Situ Ti <sub>5</sub> Si <sub>3</sub> /Ti Composite Ribbon Inoculants. <i>Metals</i> , <b>2017</b> , 7, 267	2-3	6
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