

Shravan Kairy

List of Publications by Year in descending order

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15
papers

788
citations

566801

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996533

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docs citations

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times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser powder bed fusion of high solute Al-Zn-Mg alloys: Processing, characterisation and properties. <i>Materials and Design</i> , 2020, 196, 109183.	3.3	20
2	Simultaneous improvement in corrosion resistance and hardness of a model 2xxx series Al-Cu alloy with the microstructural variation caused by Sc and Zr additions. <i>Corrosion Science</i> , 2019, 158, 108095.	3.0	65
3	Analysing the degree of sensitisation in 5xxx series aluminium alloys using artificial neural networks: A tool for alloy design. <i>Corrosion Science</i> , 2019, 150, 268-278.	3.0	28
4	Microstructure and corrosion evolution of additively manufactured aluminium alloy AA7075 as a function of ageing. <i>Npj Materials Degradation</i> , 2019, 3, .	2.6	33
5	Effect of Sm additions on the microstructure and corrosion behavior of magnesium alloy AZ91. <i>Corrosion Science</i> , 2019, 149, 144-152.	3.0	70
6	On the corrosion of additively manufactured aluminium alloy AA2024 prepared by selective laser melting. <i>Corrosion Science</i> , 2018, 143, 93-106.	3.0	83
7	The role of microstructure and microchemistry on intergranular corrosion of aluminium alloy AA7085-T7452. <i>Corrosion Science</i> , 2018, 143, 414-427.	3.0	69
8	On the corrosion, electrochemistry and microstructure of Al-Cu-Li alloy AA2050 as a function of ageing. <i>Materialia</i> , 2018, 1, 25-36.	1.3	26
9	Effect of platform temperature on the porosity, microstructure and mechanical properties of an Al-Mg-Sc-Zr alloy fabricated by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 732, 41-52.	2.6	122
10	On the Electrochemical and Quasi In Situ Corrosion Response of the Q-Phase (Al _x Cu _y Mg _z Si _w) Intermetallic Particle in 6xxx Series Aluminum Alloys. <i>Corrosion</i> , 2017, 73, 87-99.	0.5	44
11	On the Intergranular Corrosion and Hardness Evolution of 6xxx Series Al Alloys as a Function of Si:Mg Ratio, Cu Content, and Aging Condition. <i>Corrosion</i> , 2017, 73, 1280-1295.	0.5	49
12	Auger electron spectroscopy analysis of grain boundary microchemistry in an Al-Cu-Li alloy. <i>Scripta Materialia</i> , 2016, 119, 17-20.	2.6	30
13	A closer look at constituent induced localised corrosion in Al-Cu-Mg alloys. <i>Corrosion Science</i> , 2016, 113, 160-171.	3.0	61
14	Exploring the electrochemistry of 6xxx series aluminium alloys as a function of Si to Mg ratio, Cu content, ageing conditions and microstructure. <i>Electrochimica Acta</i> , 2016, 190, 92-103.	2.6	71
15	The Influence of Copper Additions and Aging on the Microstructure and Metastable Pitting of Al-Mg-Si Alloys. <i>Corrosion</i> , 2015, 71, 1304-1307.	0.5	17