

# Ajay A Likhite

## List of Publications by Year in descending order

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19  
papers

212  
citations

1163117

8  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoindentation studies of ex situ AlN/Al metal matrix nanocomposites. Journal of Alloys and Compounds, 2014, 615, S392-S396.	5.5	29
2	Effect of Cryogenic Processing on Surface Roughness of Age Hardenable AA6061 Alloy. Materials and Manufacturing Processes, 2014, 29, 710-714.	4.7	25
3	The Effect of Cutting Speed and Depth of Cut on Surface Roughness During Machining of Austempered Ductile Iron. Transactions of the Indian Institute of Metals, 2015, 68, 99-108.	1.5	23
4	Compressive, tensile and wear behavior of ex situ Al/AlN metal matrix nanocomposites. Journal of Composite Materials, 2015, 49, 1917-1928.	2.4	21
5	Effect of austenitization temperature on microstructure and mechanical properties of low-carbon-equivalent carbidic austempered ductile iron. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 770-778.	4.9	17
6	The Wear Behavior of In-Situ Al <sup>6</sup> AlN Metal Matrix Composites. Transactions of the Indian Institute of Metals, 2014, 67, 841-849.	1.5	15
7	Mechanical Characterization of Austempered Ductile Iron Obtained by Two Step Austempering Process. Transactions of the Indian Institute of Metals, 2017, 70, 2381-2387.	1.5	13
8	Study of hot tearing in stainless steel CF3M during casting using simulation and experimental method. International Journal of Metalcasting, 2018, 12, 331-342.	1.9	12
9	The impact of cutting speed and depth of cut on cutting force during turning of austempered ductile iron. Materials Today: Proceedings, 2019, 19, 663-669.	1.8	9
10	TEM Analysis of Austempered Ductile Iron Processed Through Conventional and Two-Step Austempering Process. Transactions of the Indian Institute of Metals, 2019, 72, 911-917.	1.5	9
11	Effect of graphite morphology on modulus of elasticity of low carbon equivalent ductile iron. Transactions of the Indian Institute of Metals, 2008, 61, 497-501.	1.5	7
12	Characterization of Inoculated Low Carbon Equivalent Iron at Lower Austempering Temperature. Transactions of the Indian Institute of Metals, 2012, 65, 449-458.	1.5	7
13	Nucleation Criteria for the Formation of Aluminum Nitride in Aluminum Matrix by Nitridation. Transactions of the Indian Institute of Metals, 2013, 66, 265-271.	1.5	7
14	Nanoindentation, Compressive and Tensile Deformation Study of In-Situ Al <sup>6</sup> AlN Metal Matrix Composites. Transactions of the Indian Institute of Metals, 2015, 68, 291-297.	1.5	7
15	Synthesis of Al-AlN metal matrix composites by nitrogenation. Transactions of the Indian Institute of Metals, 2011, 64, 111-115.	1.5	4
16	On the Mechanism of the Effect of the Cryogenic Treatment on High Speed Steels. Advanced Materials Research, 0, 383-390, 7138-7142.	0.3	4
17	Study on Quantification of Oxide Phases in Ex-situ AlN/Al Metal Matrix Nanocomposites. Transactions of the Indian Institute of Metals, 2014, 67, 761-767.	1.5	2
18	Characterization of Austempered Ferritic Ductile Iron. IOP Conference Series: Materials Science and Engineering, 2018, 346, 012019.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Advances in Carbide Austempered Ductile Iron (CAD) - A Wearresistant Material. Current Materials Science, 2021, 14, 114-124.	0.4	0