

# Nitesh Raj Jaladurgam

## List of Publications by Year in descending order

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9  
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1478280

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hot deformation characteristics and microstructure evolution of Hastelloy C-276. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 240-254.	2.6	57
2	Microstructure-dependent deformation behaviour of a low $\hat{\Gamma}^3$ volume fraction Ni-base superalloy studied by in-situ neutron diffraction. <i>Acta Materialia</i> , 2020, 183, 182-195.	3.8	31
3	Hot Deformation Behavior of Aluminum Alloys AA7010 and AA7075. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5021-5036.	1.2	23
4	Temperature dependent load partitioning and slip mode transition in a eutectic AlCoCrFeNi $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg" \rangle \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2.1 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ high entropy alloy. <i>Materialia</i> , 2021, 17, 101118.	1.3	13
5	Improved corrosion protection of titanium implant material by crystallographic texturing of Sr doped calcium phosphate electrodeposits. <i>Thin Solid Films</i> , 2019, 675, 115-121.	0.8	10
6	Macro- and micro-mechanical behaviour of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si33.svg" \rangle \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \hat{\Gamma}^3 \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{\Gamma}^2 \langle / \text{mml:mo} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ strengthened Ni-based superalloy at cryogenic temperatures. <i>Materials and Design</i> , 2021, 209, 109954.	3.3	10
7	On the Microstructure of Laser Beam Powder Bed Fusion Alloy 718 and Its Influence on the Low Cycle Fatigue Behaviour. <i>Materials</i> , 2020, 13, 5198.	1.3	7
8	Load redistribution in eutectic high entropy alloy AlCoCrFeNi $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg" \rangle \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2.1 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ during high temperature deformation. <i>Materialia</i> , 2022, 22, 101392.	1.3	4
9	Hot deformation characteristics and microstructure evolution of Ti $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg" \rangle \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 5 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ Al $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg" \rangle \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ Mo $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg" \rangle \langle \text{mml:msub} \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1.5 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle$ alloy. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2021, 13, 49-62.	0.7	3