

Rogelio Benitez

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties and microstructure evolution of Ti ₂ AlC under compression in 25–1100°C temperature range. <i>Acta Materialia</i> , 2020, 189, 154-165.	3.8	32
2	Effects of microstructure on the mechanical properties of Ti ₂ AlC in compression. <i>Acta Materialia</i> , 2018, 143, 130-140.	3.8	37
3	The Effect of Grain Size on Deformation and Failure of Ti ₂ AlC MAX Phase under Thermo-Mechanical Loading. <i>Experimental Mechanics</i> , 2017, 57, 675-685.	1.1	11
4	Effect of Microstructure on Mechanical Response of MAX Phases. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2017, , 171-175.	0.3	1
5	Structural, physical and mechanical properties of Ti ₃ (Al _{1-x} Si _x)C ₂ solid solution with $x=0-1$. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 676, 197-208.	2.6	60
6	High-Performance Metal/Carbide Composites with Far-From-Equilibrium Compositions and Controlled Microstructures. <i>Scientific Reports</i> , 2016, 6, 35523.	1.6	24
7	Room temperature stress-strain hysteresis in Ti ₂ AlC revisited. <i>Acta Materialia</i> , 2016, 105, 294-305.	3.8	38
8	Mechanical response of fine grained Ti ₂ AlC under extreme thermo-mechanical loading conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 658, 176-184.	2.6	13
9	High strain-rate response and deformation mechanisms in polycrystalline Ti ₂ AlC. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 598, 319-326.	2.6	25
10	Thermo-mechanical Response and Damping Behavior of Shape Memory Alloy MAX Phase Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2646-2658.	1.1	19
11	Processing and characterization of porous Ti ₂ AlC with controlled porosity and pore size. <i>Acta Materialia</i> , 2012, 60, 6266-6277.	3.8	77