

# Rogelio Benitez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7788642/publications.pdf>

Version: 2024-02-01

11  
papers

337  
citations

932766

10  
h-index

1281420

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

333  
citing authors

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