

Zohreh Sadeghian

List of Publications by Year in descending order

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16
papers

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citations

759233

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16
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517
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the microstructure and wear behaviour of AA6063-B4C/TiB ₂ mono and hybrid composite layers produced by friction stir processing. <i>Surface and Coatings Technology</i> , 2016, 285, 1-10.	4.8	86
2	Microstructural and mechanical evaluation of Al-TiB ₂ nanostructured composite fabricated by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7758-7763.	5.5	84
3	A review of additive manufacturing of cermets. <i>Additive Manufacturing</i> , 2020, 33, 101130.	3.0	48
4	Investigating the microstructure and mechanical properties of Al-TiB ₂ composite fabricated by Friction Stir Processing (FSP). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 673, 436-442.	5.6	46
5	Effect of CNT addition approach on the microstructure and properties of NiAl-CNT nanocomposites produced by mechanical alloying and spark plasma sintering. <i>Intermetallics</i> , 2016, 76, 41-48.	3.9	41
6	In situ fabrication of TiC-NiCr cermets by selective laser melting. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 87, 105171.	3.8	33
7	Application of spark plasma sintering (SPS) for the fabrication of in situ Ni-TiC nanocomposite clad layer. <i>Journal of Alloys and Compounds</i> , 2015, 633, 479-483.	5.5	27
8	Effect of silicon content on microstructure of Al-Si/SiCp composite layer clad on A380 Al alloy by TIG welding process. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2824-2830.	4.2	23
9	Microstructural characterization and properties of in situ Al-Al ₃ Ni/TiC hybrid composite fabricated by friction stir processing using reactive powder. <i>Materials Characterization</i> , 2019, 149, 124-132.	4.4	20
10	High-Velocity Oxyfuel Reactive Spraying of Mechanically Alloyed Ni-Ti-C Powders. <i>Journal of Thermal Spray Technology</i> , 2005, 14, 77-84.	3.1	18
11	Effect of selective laser melting process parameters on microstructural and mechanical properties of TiC-NiCr cermet. <i>Ceramics International</i> , 2020, 46, 28749-28757.	4.8	18
12	Fabrication and characterization of reactive Ni-Ti-C powder by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2014, 589, 157-163.	5.5	15
13	Characterisation of in situ Al-TiB ₂ nanocomposite powder synthesised by mechanical alloying. <i>Powder Metallurgy</i> , 2011, 54, 46-49.	1.7	10
14	Role of powder preparation route on microstructure and mechanical properties of Al-TiB ₂ composites fabricated by accumulative roll bonding (ARB). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 677, 400-410.	5.6	10
15	Estimation and optimization of shear strength for compacted iron powders by means of soft computing paradigms. <i>Materials & Design</i> , 2013, 45, 590-596.	5.1	5
16	Room and High-Temperature Sliding Wear Behavior of In Situ TiC-Based Cermet Fabricated through Selective Laser Melting. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 6777-6787.	2.5	5