

S Habib Alavi

List of Publications by Year in descending order

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18
papers

321
citations

759233

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18
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Melt expulsion during ultrasonic vibration-assisted laser surface processing of austenitic stainless steel. <i>Ultrasonics</i> , 2015, 59, 21-30.	3.9	47
2	Effect of ultrasonic vibration-assisted laser surface melting and texturing of Ti-6Al-4V ELI alloy on surface properties. <i>Journal of Materials Science and Technology</i> , 2019, 35, 295-302.	10.7	38
3	Evolution of geometric and quality features during ultrasonic vibration-assisted continuous wave laser surface drilling. <i>Journal of Materials Processing Technology</i> , 2016, 232, 52-62.	6.3	32
4	Ultrasonic vibration-assisted continuous wave laser surface drilling of materials. <i>Manufacturing Letters</i> , 2015, 4, 1-5.	2.2	23
5	Experimental and finite element analysis of ultrasonic vibration-assisted continuous-wave laser surface drilling. <i>Materials and Manufacturing Processes</i> , 2017, 32, 216-225.	4.7	20
6	Investigation of corrosion behaviour of carbon steel coated by pulsed plasma electrolytic boronising technique in 3Å5 wt-%NaCl aqueous solution. <i>Surface Engineering</i> , 2011, 27, 509-514.	2.2	16
7	Microstructure and Wear Behavior of Laser Clad Multi-layered Fe-based Amorphous Coatings on Steel Substrates. <i>Lasers in Manufacturing and Materials Processing</i> , 2015, 2, 231-241.	2.2	16
8	Laser surface melting of Ti-6Al-4V under the influence of ultrasonic vibrations. <i>Materials Letters</i> , 2015, 159, 470-473.	2.6	16
9	Ultrasonic vibration-assisted laser atomization of stainless steel. <i>Powder Technology</i> , 2017, 321, 89-93.	4.2	16
10	Effect of vibration frequency and displacement on melt expulsion characteristics and geometric parameters for ultrasonic vibration-assisted laser drilling of steel. <i>Ultrasonics</i> , 2019, 94, 305-313.	3.9	15
11	Structural Relaxation and Nanocrystallization-Induced Laser Surface Hardening of Fe-Based Bulk Amorphous Alloys. <i>Jom</i> , 2014, 66, 1080-1087.	1.9	14
12	Sliding Wear of Spark Plasma Sintered CrFeCoNiCu High-Entropy Alloy Coatings: Effect of Aluminum Addition. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 5815-5822.	2.5	13
13	High-Temperature Sliding Wear Behavior of Zr-Based Bulk Amorphous Alloys. <i>Jom</i> , 2015, 67, 1578-1584.	1.9	11
14	Effect of Laser Remelting and Simultaneous Application of Ultrasonic Vibrations during Laser Melting on the Microstructural and Tribological Properties of Laser Clad Al-SiC Composites. <i>Journal of Composites Science</i> , 2017, 1, 13.	3.0	11
15	Sliding Wear Behavior of Spark-Plasma-Sintered Fe-Based Amorphous Alloy Coatings on Cu-Ni Alloy. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 3629-3635.	2.5	11
16	Roughened graphite biointerfaced with P450 liver microsomes: Surface and electrochemical characterizations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 189, 110790.	5.0	10
17	Laser joining of plain carbon steel using Fe-based amorphous alloy filler powder. <i>Journal of Materials Processing Technology</i> , 2016, 238, 55-64.	6.3	7
18	Dry Sliding Wear Behavior of Spark Plasma Sintered Fe-Based Bulk Metallic Glass/Graphite Composites. <i>Technologies</i> , 2016, 4, 27.	5.1	5