

Dalibor Preisler

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Thermal Stability of Microstructure of High-Entropy Alloys Based on Refractory Metals Hf, Nb, Ta, Ti, V, and Zr. <i>Metals</i> , 2022, 12, 394.	2.3	3
2	Achieving high strength and low elastic modulus in interstitial biomedical Ti-Nb-Zr-O alloys through compositional optimization. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 839, 142833.	5.6	19
3	Manufacturing of biomedical Ti alloys with controlled oxygen content by blended elemental powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2022, 905, 164259.	5.5	6
4	Phase transformations in a heterogeneous Ti-xNb-7Zr-0.8O alloy prepared by a field-assisted sintering technique. <i>Materials and Design</i> , 2021, 198, 109308.	7.0	10
5	Microstructure Evolution and Mechanical Properties of cp-Ti Processed by a Novel Technique of Rotational Constrained Bending. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 1665-1678.	2.2	4
6	Novel $\beta + \beta'$ Zr Alloys with Enhanced Strength. <i>Materials</i> , 2021, 14, 418.	2.9	2
7	On the Structural and Chemical Homogeneity of Spark Plasma Sintered Tungsten. <i>Metals</i> , 2019, 9, 879.	2.3	8
8	Microstructure evolution in a CuZr alloy and CP Ti processed by a novel technique of free bending in rotating rollers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 672, 012006.	0.6	1
9	The subsurface frictional hardening: A new approach to improve the high-speed wear performance of Ti-29Nb-14Ta-4.5Zr alloy against Ti-6Al-4V extra-low interstitial. <i>Wear</i> , 2019, 422-423, 137-150.	3.1	16
10	The Effect of Hot Working on the Mechanical Properties of High Strength Biomedical Ti-Nb-Ta-Zr-O Alloy. <i>Materials</i> , 2019, 12, 4233.	2.9	10
11	Manufacturing of Biomedical Ti-Based Alloys with High Oxygen Content and Various Amount of Beta-Stabilizing Elements. <i>Materials Science Forum</i> , 2018, 941, 2471-2476.	0.3	3
12	Beta phase stability of Ti-35Nb-6Ta-7Zr-0.7O beta titanium alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 461, 012068.	0.6	0
13	Cold Swaging and Recrystallization Annealing of Ti-Nb-Ta-Zr-O Alloy - Microstructure, Texture and Microhardness Evolution. <i>Materials Science Forum</i> , 2018, 941, 1132-1136.	0.3	2
14	Biocompatible beta-Ti alloys with enhanced strength due to increased oxygen content. , 2018, , 371-392.		2
15	High Temperature Mechanical Properties and Microstructure of Ti-Nb-Zr-Ta-O Biomedical Alloy. <i>Acta Physica Polonica A</i> , 2018, 134, 636-639.	0.5	2