

Dalibor Preisler

List of Publications by Year in descending order

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15
papers

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1684188

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106
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | On the Structural and Chemical Homogeneity of Spark Plasma Sintered Tungsten. <i>Metals</i> , 2019, 9, 879. | 2.3 | 8 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Biocompatible beta-Ti alloys with enhanced strength due to increased oxygen content. , 2018, , 371-392. | | 2 |
| 12 | Novel $\beta_1 + \beta_2$ Zr Alloys with Enhanced Strength. <i>Materials</i> , 2021, 14, 418. | 2.9 | 2 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |