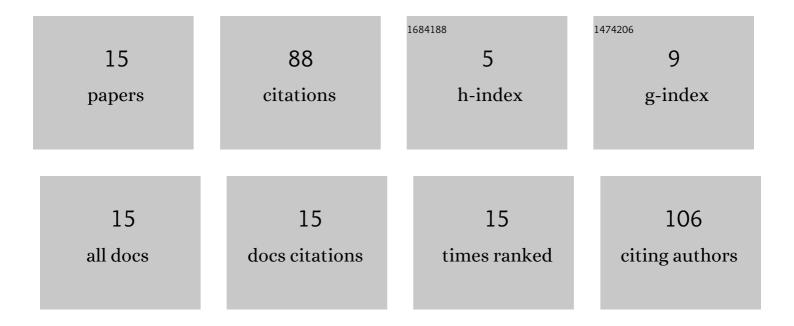
## **Dalibor Preisler**

List of Publications by Year in descending order

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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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Wear, 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. Materials and Design, 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. Materials, 2019, 12, 4233.	2.9	10
5	On the Structural and Chemical Homogeneity of Spark Plasma Sintered Tungsten. Metals, 2019, 9, 879.	2.3	8
6	Manufacturing of biomedical Ti alloys with controlled oxygen content by blended elemental powder metallurgy. Journal of Alloys and Compounds, 2022, 905, 164259.	5.5	6
7	Microstructure Evolution and Mechanical Properties of cp-Ti Processed by a Novel Technique of Rotational Constrained Bending. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 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. Materials Science Forum, 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. Metals, 2022, 12, 394.	2.3	3
10	Cold Swaging and Recrystallization Annealing of Ti-Nb-Ta-Zr-O Alloy - Microstructure, Texture and Microhardness Evolution. Materials Science Forum, 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 Î $\pm$ + Î <sup>2</sup> Zr Alloys with Enhanced Strength. Materials, 2021, 14, 418.	2.9	2
13	High Temperature Mechanical Properties and Microstructure of Ti-Nb-Zr-Ta-O Biomedical Alloy. Acta Physica Polonica A, 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. IOP Conference Series: Materials Science and Engineering, 2019, 672, 012006.	0.6	1
15	Beta phase stability of Ti-35Nb-6Ta-7Zr-0.7O beta titanium alloy. IOP Conference Series: Materials Science and Engineering, 2018, 461, 012068.	0.6	0