

Johannes PÄtschke

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of different binder metals in high entropy carbide based hardmetals. Powder Metallurgy, 2022, 65, 373-381.	1.7	12
2	Production and Properties of High Entropy Carbide Based Hardmetals. Metals, 2021, 11, 271.	2.3	21
3	Preparation of high-entropy carbides by different sintering techniques. Journal of Materials Science, 2021, 56, 11237-11247.	3.7	24
4	Influence of microstructure on hardness and thermal conductivity of hardmetals. International Journal of Refractory Metals and Hard Materials, 2020, 88, 105170.	3.8	30
5	Microstructural investigations in binderless tungsten carbide with grain growth inhibitors. International Journal of Refractory Metals and Hard Materials, 2020, 93, 105340.	3.8	11
6	Influence of Cemented Carbide Composition on Cutting Temperatures and Corresponding Hot Hardnesses. Materials, 2020, 13, 4571.	2.9	10
7	Influence of tool material properties on the wear behavior of cemented carbide tools with rounded cutting edges. Wear, 2020, 456-457, 203395.	3.1	17
8	High-Rate Laser Surface Texturing for Advanced Tribological Functionality. Lubricants, 2020, 8, 33.	2.9	43
9	Electrochemical Corrosion Resistance of Ni and Co Bonded Near-Nano and Nanostructured Cemented Carbides. Metals, 2020, 10, 224.	2.3	6
10	Thermal behaviour of cermets and hardmetals during debinding and sintering. International Journal of Refractory Metals and Hard Materials, 2018, 73, 210-214.	3.8	12
11	Grain growth inhibition of hardmetals during initial heat-up. International Journal of Refractory Metals and Hard Materials, 2018, 72, 117-125.	3.8	22
12	Solid state sintered nanoscaled hardmetals and their properties. International Journal of Refractory Metals and Hard Materials, 2018, 72, 45-50.	3.8	20
13	Grain growth inhibition in ultrafine hardmetals. International Journal of Refractory Metals and Hard Materials, 2017, 66, 95-104.	3.8	25
14	Microstructural evolution during sintering of cermets studied using interrupted sintering experiments and novel 2D and 3D FESEM based techniques. International Journal of Refractory Metals and Hard Materials, 2017, 63, 47-54.	3.8	10
15	Tool Technologies for Milling of Hardmetals and Ceramics. Procedia CIRP, 2016, 46, 299-302.	1.9	5
16	Potentials of nanostructured WC-Co hardmetal as reference material for Vickers hardness. International Journal of Refractory Metals and Hard Materials, 2015, 50, 126-132.	3.8	11
17	Grain growth during sintering of tungsten carbide ceramics. International Journal of Refractory Metals and Hard Materials, 2014, 43, 309-316.	3.8	73
18	Manufacturing and Properties of Tungsten Carbide-Oxide Composites. Key Engineering Materials, 0, 742, 223-230.	0.4	5