# Johannes PÃ¶tschke

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3155026/publications.pdf

Version: 2024-02-01

| 18 | 357 | 840776 11 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 269 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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