

Martina Lattemann

List of Publications by Year in descending order

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13
papers

1,179
citations

1163117

8
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

1033
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ionized physical vapor deposition (IPVD): A review of technology and applications. Thin Solid Films, 2006, 513, 1-24. | 1.8 | 886 |
| 2 | Cross-field ion transport during high power impulse magnetron sputtering. Plasma Sources Science and Technology, 2008, 17, 035021. | 3.1 | 106 |
| 3 | Transition between the discharge regimes of high power impulse magnetron sputtering and conventional direct current magnetron sputtering. Plasma Sources Science and Technology, 2009, 18, 045008. | 3.1 | 79 |
| 4 | Electronic origin of structure and mechanical properties in Y and Nb alloyed Ti-Al-N thin films. International Journal of Materials Research, 2011, 102, 735-742. | 0.3 | 38 |
| 5 | Microstructure Evolution During Spark Plasma Sintering of Metastable (ZrO ₂ 3 mol%) Tj ETQq1 1 0.784314 rgBT /Over the American Ceramic Society, 2010, 93, 2864-2870. | 3.8 | 20 |
| 6 | Influence of characteristic properties of PCD grades on the wear development in turning of $\hat{1}^2$ -titanium alloy (Ti5Al5V5Mo3Cr). Wear, 2019, 426-427, 1594-1602. | 3.1 | 15 |
| 7 | High resolution STEM investigation of interface layers in cemented carbides. International Journal of Refractory Metals and Hard Materials, 2018, 72, 135-140. | 3.8 | 14 |
| 8 | Specific carbide substrate design to enhance tool performance in machining of Ti5553. Procedia CIRP, 2018, 77, 598-601. | 1.9 | 9 |
| 9 | MD study of C diffusion in WC/W interfaces observed in cemented carbides. International Journal of Refractory Metals and Hard Materials, 2019, 85, 105054. | 3.8 | 6 |
| 10 | Quantum mechanics basis of quality control in hard metals. Acta Materialia, 2019, 169, 1-8. | 7.9 | 4 |
| 11 | Understanding Quality Control of Hard Metals in Industry - A Quantum Mechanics Approach. Advanced Theory and Simulations, 2019, 2, 1900035. | 2.8 | 2 |
| 12 | A consistent path for phase determination based on transmission electron microscopy techniques and supporting simulations. Micron, 2018, 115, 41-49. | 2.2 | 0 |
| 13 | Magnetic Saturation: Understanding Quality Control of Hard Metals in Industry - A Quantum Mechanics Approach (Adv. Theory Simul. 6/2019). Advanced Theory and Simulations, 2019, 2, 1970021. | 2.8 | 0 |