

Chengming Li

List of Publications by Year in descending order

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17
papers

187
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1039406

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17
docs citations

17
times ranked

131
citing authors

#	ARTICLE	IF	CITATIONS
1	Subsurface cleavage of diamond after high-speed three-dimensional dynamic friction polishing. <i>Diamond and Related Materials</i> , 2020, 101, 107600.	1.8	32
2	Comparison of the quality of single-crystal diamonds grown on two types of seed substrates by MPCVD. <i>Journal of Crystal Growth</i> , 2018, 491, 89-96.	0.7	17
3	Homo-epitaxial growth of single crystal diamond in the purified environment by active O atoms. <i>Vacuum</i> , 2018, 155, 391-397.	1.6	17
4	Effect of grain boundary on polycrystalline diamond polishing by high-speed dynamic friction. <i>Diamond and Related Materials</i> , 2021, 117, 108461.	1.8	16
5	Smoothing of single crystal diamond by high-speed three-dimensional dynamic friction polishing: Optimization and surface bonds evolution mechanism. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 96, 105472.	1.7	15
6	Surface etching evolution of mechanically polished single crystal diamond with subsurface cleavage in microwave hydrogen plasma: Topography, state and electrical properties. <i>Vacuum</i> , 2022, 199, 110932.	1.6	12
7	Carrier mobility enhancement on the H-terminated diamond surface. <i>Diamond and Related Materials</i> , 2020, 104, 107750.	1.8	11
8	The direct-current characteristics and surface repairing of a hydrogen-terminated free-standing polycrystalline diamond in aqueous solutions. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 111-119.	1.9	10
9	Chemical vapor deposited diamond with versatile grades: from gemstone to quantum electronics. <i>Frontiers of Materials Science</i> , 2022, 16, 1.	1.1	9
10	High quality anti-sticking coating based on multilayer structure. <i>Surface and Coatings Technology</i> , 2019, 362, 72-77.	2.2	8
11	Surface conductivity enhancement of H-terminated diamond based on the purified epitaxial diamond layer. <i>Journal of Materials Science</i> , 2018, 53, 13030-13041.	1.7	7
12	Ultra-smooth and hydrophobic nitrogen-incorporated ultranano-crystalline diamond film growth in C-H-O-N gas phase system via microwave plasma CVD. <i>Surface and Coatings Technology</i> , 2019, 374, 409-417.	2.2	6
13	Doomed Couple of Diamond with Terahertz Frequency: Hyperfine Quality Discrimination and Complex Dielectric Responses of Diamond in the Terahertz Waveband. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1459-1469.	2.0	6
14	Small-angle X-ray scattering performances of single crystal and polycrystalline diamond windows in a heated environment. <i>Journal of Materials Science</i> , 2022, 57, 12824-12835.	1.7	6
15	Relationship between Birefringence and Surface Morphology in Single-Crystal Diamonds Grown by MPCVD. <i>Crystal Research and Technology</i> , 2018, 53, 1800055.	0.6	5
16	Microstructure, hardness and optical properties of Er ₂ O ₃ films deposited on diamond-coated and Si(100) substrates by radio frequency magnetron sputtering. <i>Thin Solid Films</i> , 2020, 709, 138131.	0.8	5
17	Diamond thin films integrated with flexible substrates and their physical, chemical and biological characteristics. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 384004.	1.3	5