Chengming Li

List of Publications by Year
in descending order

17	187	1039406 9	1125271 13
papers	citations	h-index	g-index

17	17	17	131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface etching evolution of mechanically polished single crystal diamond with subsurface cleavage in microwave hydrogen plasma: Topography, state and electrical properties. Vacuum, 2022, 199, 110932.	1.6	12
2	Chemical vapor deposited diamond with versatile grades: from gemstone to quantum electronics. Frontiers of Materials Science, 2022, 16, 1.	1.1	9
3	Small-angle X-ray scattering performances of single crystal and polycrystalline diamond windows in a heated environment. Journal of Materials Science, 2022, 57, 12824-12835.	1.7	6
4	Smoothing of single crystal diamond by high-speed three-dimensional dynamic friction polishing: Optimization and surface bonds evolution mechanism. International Journal of Refractory Metals and Hard Materials, 2021, 96, 105472.	1.7	15
5	Diamond thin films integrated with flexible substrates and their physical, chemical and biological characteristics. Journal Physics D: Applied Physics, 2021, 54, 384004.	1.3	5
6	Effect of grain boundary on polycrystalline diamond polishing by high-speed dynamic friction. Diamond and Related Materials, 2021, 117, 108461.	1.8	16
7	Subsurface cleavage of diamond after high-speed three-dimensional dynamic friction polishing. Diamond and Related Materials, 2020, 101, 107600.	1.8	32
8	Microstructure, hardness and optical properties of Er2O3 films deposited on diamond-coated and Si(100) substrates by radio frequency magnetron sputtering. Thin Solid Films, 2020, 709, 138131.	0.8	5
9	Doomed Couple of Diamond with Terahertz Frequency: Hyperfine Quality Discrimination and Complex Dielectric Responses of Diamond in the Terahertz Waveband. ACS Applied Electronic Materials, 2020, 2, 1459-1469.	2.0	6
10	Carrier mobility enhancement on the H-terminated diamond surface. Diamond and Related Materials, 2020, 104, 107750.	1.8	11
11	High quality anti-sticking coating based on multilayer structure. Surface and Coatings Technology, 2019, 362, 72-77.	2.2	8
12	Ultra-smooth and hydrophobic nitrogen-incorporated ultrananо-crystalline diamond film growth in C-H-O-N gas phase system via microwave plasma CVD. Surface and Coatings Technology, 2019, 374, 409-417.	2.2	6
13	The direct-current characteristics and surface repairing of a hydrogen-terminated free-standing polycrystalline diamond in aqueous solutions. Journal of Physics and Chemistry of Solids, 2019, 130, 111-119.	1.9	10
14	Comparison of the quality of single-crystal diamonds grown on two types of seed substrates by MPCVD. Journal of Crystal Growth, 2018, 491, 89-96.	0.7	17
15	Surface conductivity enhancement of H-terminated diamond based on the purified epitaxial diamond layer. Journal of Materials Science, 2018, 53, 13030-13041.	1.7	7
16	Homo-epitaxial growth of single crystal diamond in the purified environment by active O atoms. Vacuum, 2018, 155, 391-397.	1.6	17
17	Relationship between Birefringence and Surface Morphology in Singleâ€Crystal Diamonds Grown by MPCVD. Crystal Research and Technology, 2018, 53, 1800055.	0.6	5