Sergei Malykhin

List of Publications by Year
in descending order

17	122	1477746 6	1281420 11
papers	citations	h-index	g-index

17	17	17	134
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control of NV, SiV and GeV centers formation in single crystal diamond needles. Diamond and Related Materials, 2022, 125, 109007.	1.8	13
2	Allâ€Optical Thermometry with NV and SiV Color Centers in Biocompatible Diamond Microneedles. Advanced Optical Materials, 2022, 10, .	3.6	11
3	Single-Crystal Diamond Needle Fabrication Using Hot-Filament Chemical Vapor Deposition. Materials, 2021, 14, 2320.	1.3	11
4	CdZnSSe crystals synthesized in silicate glass: Structure, cathodoluminescence, band gap, discovery in historical glass, and possible applications in contemporary technology. Materials Research Bulletin, 2020, 123, 110704.	2.7	2
5	Macro-, Micro- and Nano-Roughness of Carbon-Based Interface with the Living Cells: Towards a Versatile Bio-Sensing Platform. Sensors, 2020, 20, 5028.	2.1	5
6	Formation of GeV, SiV, and NV Color Centers in Single Crystal Diamond Needles Grown by Chemical Vapor Deposition. Physica Status Solidi (B): Basic Research, 2019, 256, 1800721.	0.7	6
7	Strain sensitivity and symmetry of 2.65â€‰eV color center in diamond nanoscale needles. Applied Physics Letters, 2019, 114, 143104.	1.5	1
8	Microcrystals of antimony compounds in leadâ€“potassium and lead glass and their effect on glass corrosion: a study of historical glass beads using electron microscopy. Journal of Materials Science, 2018, 53, 10692-10717.	1.7	7
9	Luminescent Characteristics of Needleâ€Like Single Crystal Diamonds. Physica Status Solidi (B): Basic Research, 2018, 255, 1700189.	0.7	16
10	Detonation Nanodiamondâ€Assisted Carbon Nanotube Growth by Hot Filament Chemical Vapor Deposition. Physica Status Solidi (B): Basic Research, 2018, 255, 1700286.	0.7	3
11	Photoluminescent properties of single crystal diamond microneedles. Optical Materials, 2018, 75, 49-55.	1.7	22
12	Production and potential applications of needle-like diamonds. Materials Today: Proceedings, 2018, 5, 26146-26152.	0.9	2
13	Field emission from single-walled carbon nanotubes modified by annealing and CuCl doping. Applied Physics Letters, 2016, 109, .	1.5	5
14	Quasi-two-dimensional diamond crystals: Deposition from a gaseous phase and structuralâ€“morphological properties. Physics of the Solid State, 2016, 58, 1458-1462.	0.2	0
15	Luminescent properties of diamond single crystals of pyramidal shape. Physics of the Solid State, 2016, 58, 2307-2311.	0.2	3
16	Diamond platelets produced by chemical vapor deposition. Diamond and Related Materials, 2016, 65, 13-16.	1.8	10
17	Carbon nanoscrolls on the surface of nanocrystalline graphite and diamond films. Crystallography Reports, 2015, 60, 578-582.	0.1	5