Sergey Bogdanov

List of Publications by Year
in descending order

26	296	933447 10	888059 17
papers	citations	h-index	g-index

26	26	26	323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of CVD diamond growth conditions on nitrogen incorporation. Diamond and Related Materials, 2017, 72, 1-6.	3.9	47
2	Experimental study of hydrogen plasma etching of (100) single crystal diamond in a MPACVD reactor. Materials Letters, 2015, 151, 115-118.	2.6	38
3	Synthesis of thick and high-quality homoepitaxial diamond with high boron doping level: Oxygen effect. Diamond and Related Materials, 2017, 74, 59-64.	3.9	30
4	Nanometric diamond delta doping with boron. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600329.	2.4	27
5	Growthâ€rate Enhancement of Highâ€quality, Lowâ€loss <scp>CVD</scp>â€produced Diamond Disks Grown for Microwave Windows Application. Chemical Vapor Deposition, 2014, 20, 32-38.	1.3	25
6	Method of power density determination in microwave discharge, sustained in hydrogenâ€“methane gas mixture. Diamond and Related Materials, 2016, 66, 177-182.	3.9	18
7	Temperature admittance spectroscopy of boron doped chemical vapor deposition diamond. Journal of Applied Physics, 2015, 118, .	2.5	17
8	Study of microwave discharge at high power density conditions in diamond chemical vapor deposition reactor by optical emission spectroscopy. Diamond and Related Materials, 2019, 97, 107407.	3.9	17
9	Investigation of homoepitaxial growth by microwave plasma CVD providing high growth rate and high quality of diamond simultaneously. Materials Today Communications, 2020, 22, 100816.	1.9	15
10	Investigation of boron incorporation in delta doped diamond layers by secondary ion mass spectrometry. Thin Solid Films, 2018, 653, 215-222.	1.8	14
11	Contraction of Microwave Discharge in the Reactor for Chemical Vapor Deposition of Diamond. Technical Physics Letters, 2019, 45, 89-92.	0.7	10
12	Investigation of Highâ€Density Nitrogen Vacancy Center Ensembles Created in Electronâ€Irradiated and Vacuumâ€Annealed Deltaâ€Doped Layers. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000550.	2.4	6
13	Emission properties of undoped and boron-doped nanocrystalline diamond films coated silicon carbide field emitter arrays. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 021204.	1.2	5
14	Investigation of NV centers charge states in CVD diamond layers doped by nitrogen and phosphorous. Journal of Luminescence, 2021, 239, 118404.	3.1	5
15	Creation of Localized NV Center Ensembles in CVD Diamond by Electron Beam Irradiation. Technical Physics Letters, 2019, 45, 281-284.	0.7	4
16	Optical investigation of as-grown NV centers in heavily nitrogen doped delta layers in CVD diamond. Materials Today Communications, 2020, 24, 101019.	1.9	4
17	Bragg superlattices formed in growing chemically vapor deposited diamond. Journal of Applied Physics, 2016, 120, 224901.	2.5	3
18	Misorientation Angle Dependence of Boron Incorporation Into CVD Diamond Delta Layers. Physica Status Solidi (B): Basic Research, 2019, 256, 1800606.	1.5	3

#	Article	IF	Citations
19	Visible and near-infrared photodetector on chemically vapor deposited diamond. Diamond and Related Materials, 2019, 97, 107444.	3.9	2
20	The Use of Pulsed Laser Annealing to Form Ohmic Mo/Ti Contacts to Diamond. Technical Physics Letters, 2020, 46, 551-555.	0.7	2
21	Study of Undoped Nanocrystalline Diamond Films Grown by Microwave Plasma-Assisted Chemical Vapor Deposition. Semiconductors, 2021, 55, 66-75.	0.5	2
22	Formation of Multilayered Nanostructures of NV Sites in Single-Crystal CVD Diamond. Technical Physics Letters, 2020, 46, 641-645.	0.7	1
23	On investigation as grown NV centers in delta doped layers in diamond. AIP Conference Proceedings, 2020, , .	0.4	1
24	Single-crystal GaN/AlN layers on CVD diamond. Technical Physics Letters, 2015, 41, 954-956.	0.7	0
25	Ohmic Contacts to CVD Diamond with Boron-Doped Delta Layers. Semiconductors, 2019, 53, 1348-1352.	0.5	0
26	Creation of Localized Ensembles of NV Centers in a Diamond Grown in a Microwave CVD Reactor and Study of Their Properties. Radiophysics and Quantum Electronics, 2020, 63, 530.	0.5	0