

# Alexander N Obraztsov

## List of Publications by Citations

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153  
papers

2,487  
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25  
h-index

45  
g-index

169  
ext. papers

2,732  
ext. citations

3  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
153	Chemical vapor deposition of thin graphite films of nanometer thickness. <i>Carbon</i> , <b>2007</b> , 45, 2017-2021	10.4	393
152	A novel method for metal oxide nanowire synthesis. <i>Nanotechnology</i> , <b>2009</b> , 20, 165603	3.4	99
151	Broadband light-induced absorbance change in multilayer graphene. <i>Nano Letters</i> , <b>2011</b> , 11, 1540-5	11.5	86
150	Invited article: Electric solar wind sail: toward test missions. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 111301	1.7	86
149	Raman scattering characterization of CVD graphite films. <i>Carbon</i> , <b>2008</b> , 46, 963-968	10.4	66
148	The c-axis thermal conductivity of graphite film of nanometer thickness measured by time resolved X-ray diffraction. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 233108	3.4	56
147	CVD growth and field emission properties of nanostructured carbon films. <i>Journal Physics D: Applied Physics</i> , <b>2002</b> , 35, 357-362	3	52
146	Field emission from nanostructured carbon materials. <i>Diamond and Related Materials</i> , <b>2000</b> , 9, 1190-1195	5.5	47
145	Photon-drag-induced terahertz emission from graphene. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	42
144	All-optical control of ultrafast photocurrents in unbiased graphene. <i>Scientific Reports</i> , <b>2014</b> , 4, 4007	4.9	38
143	Production of single crystal diamond needles by a combination of CVD growth and thermal oxidation. <i>Diamond and Related Materials</i> , <b>2009</b> , 18, 1289-1293	3.5	37
142	Thermal oxidation of CVD diamond. <i>Diamond and Related Materials</i> , <b>2010</b> , 19, 1007-1011	3.5	36
141	Single crystal diamond tips for scanning probe microscopy. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 013703	1.7	36
140	Giant optical rectification effect in nanocarbon films. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 4854-4856	3.4	36
139	Chemical vapor deposition of carbon films: in-situ plasma diagnostics. <i>Carbon</i> , <b>2003</b> , 41, 836-839	10.4	36
138	Edge field emission of large-area single layer graphene. <i>Applied Surface Science</i> , <b>2015</b> , 357, 1967-1974	6.7	33
137	Chiral carbon nanoscrolls with a polygonal cross-section. <i>Carbon</i> , <b>2009</b> , 47, 3099-3105	10.4	33

136	Polarization-sensitive photoresponse of nanographite. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 091903	3.4	33
135	Mechanism of field emission from carbon materials. <i>JETP Letters</i> , <b>1998</b> , 68, 59-63	1.2	33
134	Low-voltage electron emission from chemical vapor deposition graphite films. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1999</b> , 17, 674		32
133	Non-classical electron field emission from carbon materials. <i>Diamond and Related Materials</i> , <b>2003</b> , 12, 446-449	3.5	31
132	Role of the curvature of atomic layers in electron field emission from graphitic nanostructured carbon. <i>JETP Letters</i> , <b>1999</b> , 69, 411-417	1.2	30
131	Phonon-phonon interactions in photoexcited graphite studied by ultrafast electron diffraction. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	28
130	Single-crystal diamond microneedles shaped at growth stage. <i>Diamond and Related Materials</i> , <b>2014</b> , 42, 15-20	3.5	26
129	Ultrafast zero-bias photocurrent and terahertz emission in hybrid perovskites. <i>Communications Physics</i> , <b>2018</b> , 1,	5.4	24
128	Single Crystal Diamond Needle as Point Electron Source. <i>Scientific Reports</i> , <b>2016</b> , 6, 35260	4.9	22
127	ESTCube-1 nanosatellite for electric solar wind sail in-orbit technology demonstration. <i>Proceedings of the Estonian Academy of Sciences</i> , <b>2014</b> , 63, 2000	1.6	22
126	A nano-graphite cold cathode for an energy-efficient cathodoluminescent light source. <i>Beilstein Journal of Nanotechnology</i> , <b>2013</b> , 4, 493-500	3	21
125	Formation of superhydrophobic surfaces by the deposition of coatings from supercritical carbon dioxide. <i>Colloid Journal</i> , <b>2007</b> , 69, 411-424	1.1	20
124	Cold and Laser Stimulated Electron Emission from Nanocarbons. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2009</b> , 4, 207-219	1.3	18
123	Photoluminescent properties of single crystal diamond microneedles. <i>Optical Materials</i> , <b>2018</b> , 75, 49-55	3.3	18
122	Growth of a Carbon Nanotube Forest on Silicon using Remote Plasma CVD. <i>Chemical Vapor Deposition</i> , <b>2013</b> , 19, 332-337		17
121	Photon drag effect in carbon nanotube yarns. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 231112	3.4	16
120	Field electron emission in graphite-like films. <i>Technical Physics</i> , <b>2001</b> , 46, 1437-1443	0.5	15
119	Optical Contactless Measurement of Electric Field-Induced Tensile Stress in Diamond Nanoscale Needles. <i>Nano Letters</i> , <b>2017</b> , 17, 7401-7409	11.5	14

118	Field emission spectroscopy evidence for dual-barrier electron tunnelling in nanographite. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 233112	3-4	14
117	Nano-graphite cold cathodes for electric solar wind sail. <i>Carbon</i> , <b>2015</b> , 81, 132-136	10-4	14
116	A Comparative Study of Field Emission From Semiconducting and Metallic Single-Walled Carbon Nanotube Planar Emitters. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700268	1-3	14
115	Surface structure and field emission properties of few-layer graphene flakes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2623-2626	1-3	14
114	Electromechanical self-oscillations of carbon nanotube field emitter. <i>Carbon</i> , <b>2010</b> , 48, 3895-3900	10-4	14
113	A comparative study of field emission from NanoBuds, nanographite and pure or N-doped single-wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 3051-3054	1-3	13
112	Observation of diamond crystallites in thin films prepared by laser ablation of hard fullerene-based carbon. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 929-933	3	13
111	Photoinduced effects in field electron emission from diamond needles. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 182101	3-4	12
110	Luminescent Characteristics of Needle-Like Single Crystal Diamonds. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700189	1-3	12
109	Effect of vacuum level on field emission from nanographite films. <i>Technical Physics</i> , <b>2012</b> , 57, 1003-1007	0.5	12
108	Topology peculiarities of graphite films of nanometer thickness. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 3010-3013	1-3	12
107	Mechanism of low-voltage field emission from nanocarbon materials. <i>Journal of Experimental and Theoretical Physics</i> , <b>2005</b> , 100, 89-94	1	12
106	Field Emission Properties of Metal Oxide Nanowires. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2012</b> , 7, 35-40	1-3	12
105	Photo- and cathodo-luminescence of needle-like single crystal diamonds. <i>Journal of Luminescence</i> , <b>2016</b> , 179, 539-544	3-8	12
104	Structural peculiarities of single crystal diamond needles of nanometer thickness. <i>Nanotechnology</i> , <b>2016</b> , 27, 455707	3-4	11
103	Modeling of Field Emission from Nano Carbons. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2008</b> , 16, 384-388	1-8	11
102	Correlation of field emission properties with morphology and surface composition of CVD nanocarbon films. <i>Diamond and Related Materials</i> , <b>2006</b> , 15, 838-841	3-5	11
101	Scanning Anode Field Emission Microscopy of Nanocarbons. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2013</b> , 8, 114-118	1-3	11

100	Diamond platelets produced by chemical vapor deposition. <i>Diamond and Related Materials</i> , <b>2016</b> , 65, 13-16	3.5	10
99	Optical Absorption in Porous Silicon Studied by Photoacoustic Spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , <b>1997</b> , 203, 565-569	1.3	10
98	Quick-response film photodetector of high-power laser radiation based on the optical rectification effect. <i>Technical Physics</i> , <b>2006</b> , 51, 1190-1196	0.5	10
97	Statistical analysis of low-voltage electron emission from nanocarbon cathodes. <i>Journal of Experimental and Theoretical Physics</i> , <b>2003</b> , 97, 1240-1245	1	10
96	Morphology and Raman Spectra Peculiarities of Chemical Vapor Deposition Diamond Films. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2012</b> , 7, 22-28	1.3	10
95	Structural and charge transport characteristics of graphene layers obtained from CVD thin film and bulk graphite materials. <i>Carbon</i> , <b>2013</b> , 52, 49-55	10.4	9
94	Formation of nanostructured carbon films in gas-discharge plasmas. <i>Journal of Experimental and Theoretical Physics</i> , <b>2003</b> , 97, 1154-1158	1	9
93	Spatially Resolved In Situ Diagnostics for Plasma-Enhanced Chemical Vapor Deposition Carbon Film Growth. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2012</b> , 7, 90-94	1.3	9
92	Nanodiamond films with dendrite structure formed by needle crystallites. <i>Diamond and Related Materials</i> , <b>2013</b> , 37, 64-67	3.5	8
91	Noncatalytic synthesis of carbon nanotubes by chemical vapor deposition. <i>Crystallography Reports</i> , <b>2011</b> , 56, 310-314	0.6	8
90	Self-oscillations of carbon nanotube twist-yarn during field emission. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2658-2661	1.3	8
89	Field electron emission from nanodiamond. <i>Technical Physics Letters</i> , <b>2009</b> , 35, 249-252	0.7	8
88	Spark light radiation coupled with the field electron emission from carbon nanotube forests. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 044327	2.5	8
87	Electrochemical characterization of mesoporous nanographite films. <i>Carbon</i> , <b>2016</b> , 105, 96-102	10.4	8
86	Photoassisted and multiphoton emission from single-crystal diamond needles. <i>Nanoscale</i> , <b>2019</b> , 11, 6852-6857	7.9	8
85	Thermal diffusivity of diamond nanowires studied by laser assisted atom probe tomography. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 143104	3.4	7
84	Self-oscillations in an electromechanical system with a field emitter. <i>JETP Letters</i> , <b>2009</b> , 90, 464-468	1.2	7
83	Optical Characterization of Plasma Enhanced Chemical Vapor Deposition of Nanocarbon Film Materials. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2009</b> , 4, 243-246	1.3	7

82	Formation of Graphene on Polycrystalline Nickel. <i>Technical Physics</i> , <b>2019</b> , 64, 1666-1672	0.5	7
81	Carbon single-electron point source controlled by Coulomb blockade. <i>Carbon</i> , <b>2021</b> , 171, 154-160	10.4	7
80	Field Electron Emission From CVD Nanocarbon Films Containing Scrolled Graphene Structures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700270	1.3	6
79	Thermal oxidation of detonation nanodiamond. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2009</b> , 64, 433-436	0.7	6
78	Rehybridization of the atomic orbitals and the field electron emission from nanostructured carbon. <i>Journal of Experimental and Theoretical Physics</i> , <b>2001</b> , 93, 846-852	1	6
77	The laser assisted field electron emission from carbon nanostructure. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2017</b> , 13,	2.5	5
76	Conduction mechanisms and voltage drop during field electron emission from diamond needles. <i>Ultramicroscopy</i> , <b>2019</b> , 202, 51-56	3.1	5
75	Carbon nanoscrolls on the surface of nanocrystalline graphite and diamond films. <i>Crystallography Reports</i> , <b>2015</b> , 60, 578-582	0.6	5
74	Structural and morphological peculiarities of needle-like diamond crystallites obtained by chemical vapor deposition. <i>Diamond and Related Materials</i> , <b>2018</b> , 87, 261-266	3.5	5
73	Thermal purification of detonation diamond. <i>Journal of Surface Investigation</i> , <b>2010</b> , 4, 458-463	0.5	5
72	Double resonant Raman scattering in nanographite films. <i>Journal of Experimental and Theoretical Physics</i> , <b>2008</b> , 106, 569-574	1	5
71	Optical rectification effect in nano-carbon CVD films. <i>Diamond and Related Materials</i> , <b>2006</b> , 15, 842-845	3.5	5
70	Anisotropic laser-induced evaporation of graphite films. <i>Journal of Experimental and Theoretical Physics</i> , <b>2004</b> , 98, 483-488	1	5
69	Single-Crystal Diamond Needle Fabrication Using Hot-Filament Chemical Vapor Deposition. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
68	Formation of GeV, SiV, and NV Color Centers in Single Crystal Diamond Needles Grown by Chemical Vapor Deposition. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1800721	1.3	4
67	A Comparative Study of Field Emission From Pristine, Ion-Treated and Tungsten Nanoparticle-Decorated p-Type Silicon Tips. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1800646	1.3	4
66	Fluid modeling for plasma-enhanced direct current chemical vapor deposition. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 012503	1.1	4
65	Limitation of the current from nanographite multiemitter field-emission cathodes. <i>Technical Physics</i> , <b>2012</b> , 57, 251-255	0.5	4

64	Structural peculiarities of carbon nanolayers prepared by deposition from a gaseous phase on Ni. <i>Physics of the Solid State</i> , <b>2009</b> , 51, 1054-1059	0.8	4
63	Fundamental Aspects and Applications of Low Field Electron Emission from Nanocarbons. <i>Surface Engineering</i> , <b>2003</b> , 19, 429-436	2.6	4
62	A Nanographite Film-Based Fast Response Detector for Intense Laser Radiation. <i>Instruments and Experimental Techniques</i> , <b>2005</b> , 48, 349-354	0.5	4
61	Fabrication of Carbon Nanomaterials by Hot Filament Chemical Vapor Deposition. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2013</b> , 8, 100-105	1.3	4
60	Field emission from single-walled carbon nanotubes modified by annealing and CuCl doping. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 143112	3.4	4
59	Luminescent properties of diamond single crystals of pyramidal shape. <i>Physics of the Solid State</i> , <b>2016</b> , 58, 2307-2311	0.8	3
58	Effect of laser illumination on the electrical conductivity of single-crystal diamond needles. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 045710	2.5	3
57	Single-crystal diamond probes for atomic-force microscopy. <i>Instruments and Experimental Techniques</i> , <b>2010</b> , 53, 613-619	0.5	3
56	Formation of needlelike crystallites during growth of diamond films by chemical vapor deposition. <i>Crystallography Reports</i> , <b>2010</b> , 55, 710-715	0.6	3
55	Comparative characterization of chemical vapor deposition diamond films by scanning cathodoluminescence microscopy. <i>Scanning</i> , <b>1997</b> , 19, 455-458	1.6	3
54	A device for testing a fast nanographite photodetector at high temperatures. <i>Instruments and Experimental Techniques</i> , <b>2008</b> , 51, 456-461	0.5	3
53	Optical rectification effect in nanostructured carbon films. <i>Journal of Experimental and Theoretical Physics</i> , <b>2004</b> , 99, 942-946	1	3
52	Application of nanocarbon cold cathodes in lighting elements. <i>Surface and Interface Analysis</i> , <b>2004</b> , 36, 470-473	1.5	3
51	Plasma CVD characterization of nanocarbon film growth. <i>Surface and Interface Analysis</i> , <b>2004</b> , 36, 481-484, 5	1.5	3
50	Spectral dependence of the optical rectification effect in nanographite films. <i>Technical Physics Letters</i> , <b>2005</b> , 31, 94	0.7	3
49	Circular photocurrent in the carbon nanowall film. <i>Optics Letters</i> , <b>2020</b> , 45, 2022-2025	3	3
48	Macro-, Micro- and Nano-Roughness of Carbon-Based Interface with the Living Cells: Towards a Versatile Bio-Sensing Platform. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
47	CVD nanographite films covered by ALD metal oxides: structural and field emission properties. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 1022-1027		2

46	Atomic layer deposition of TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> on nanographite films: structure and field emission properties. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 012509	1.1	2
45	Thermionic field electron emission from graphite-based nanomaterials. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2712-2715	1.3	2
44	Efficiency of a fast-response nanographite-based optoelectric converter in air at high temperatures. <i>Technical Physics Letters</i> , <b>2009</b> , 35, 899-902	0.7	2
43	Laser-assisted electron emission from CVD nano-graphite films. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3505-3509	1.3	2
42	Optical rectification effect in nanocarbon films. <i>Technical Physics Letters</i> , <b>2004</b> , 30, 750-752	0.7	2
41	Nanodimensional carbon materials formed in a gas discharge plasma. <i>Technical Physics Letters</i> , <b>2003</b> , 29, 380-382	0.7	2
40	Effect of laser radiation on the morphology and emissivity of nanodimensional carbon films. <i>Technical Physics</i> , <b>2005</b> , 50, 809-811	0.5	2
39	A comparative study of field emission from single- and double-wall carbon nanotubes and carbon peapods. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
38	Coulomb blockade and quantum confinement in field electron emission from heterostructured nanotips. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
37	Graphene Formation on Surfaces of Single Crystal Metals. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2013</b> , 8, 46-51	1.3	2
36	Field Emission Properties of Single-Walled Carbon Nanotube Films. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2013</b> , 8, 71-74	1.3	2
35	Production and potential applications of needle-like diamonds. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 26146-26152	1.4	2
34	Strain sensitivity and symmetry of 2.65 eV color center in diamond nanoscale needles. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 143104	3.4	1
33	Detonation Nanodiamond-Assisted Carbon Nanotube Growth by Hot Filament Chemical Vapor Deposition. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700286	1.3	1
32	Thin graphite films formation by carbon precipitation in metals: diffusion approach. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 012506	1.1	1
31	Hopping conductivity in polycrystalline diamond films. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2009</b> , 64, 161-165	0.7	1
30	Topology of nanometric graphite films. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 558-561	0.9	1
29	Physical and chemical processes in gas-discharge plasma during the deposition of nanocarbon films. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 652-655	0.9	1



28	Photoacoustic spectroscopy of diamond powders and polycrystalline films. <i>Physics of the Solid State</i> , <b>1997</b> , 39, 1594-1598	0.8	1
27	Influence of structural characteristics on the thermal conductivity of polycrystalline diamond films. <i>Physics of the Solid State</i> , <b>1998</b> , 40, 1112-1116	0.8	1
26	Field emission from single-wall nanotubes obtained from carbon and boron nitride mixtures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 1990-1993	1.3	1
25	Anisotropy of the photoelectric properties of porous nanographite films. <i>Technical Physics Letters</i> , <b>2008</b> , 34, 467-471	0.7	1
24	Synthesis, Characterization and Application of Thin Film Carbon Nanotube Material. <i>Materials Research Society Symposia Proceedings</i> , <b>2000</b> , 633, 1311		1
23	Single-Wall Carbon Nanotube Electron Emitters Produced by Electrophoresis. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 706, 1		1
22	Determination of the thermal conductivity of polycrystalline diamond films by means of the photoacoustic effect. <i>Technical Physics</i> , <b>1999</b> , 44, 438-442	0.5	1
21	Field emission microscopy pattern of a single-crystal diamond needle under ultrafast laser illumination. <i>New Journal of Physics</i> , <b>2019</b> , 21, 113060	2.9	1
20	Surface graphitization of diamond nanotips induced by field-emission current. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 141601	3.4	1
19	Control of NV, SiV and GeV centers formation in single crystal diamond needles. <i>Diamond and Related Materials</i> , <b>2022</b> , 125, 109007	3.5	1
18	All-Optical Thermometry with NV and SiV Color Centers in Biocompatible Diamond Microneedles. <i>Advanced Optical Materials</i> , <b>2020</b> , 6, 2200631	8.1	0
17	Nanocarbon Photonics and Optoelectronics. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1900519	1.3	
16	Fluid modeling for plasma-enhanced direct current chemical vapor deposition. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 103598	1.1	
15	Incredible carbon. <i>Materials Today</i> , <b>2013</b> , 16, 351-352	21.8	
14	Diamonds in the air. <i>Materials Today</i> , <b>2012</b> , 15, 519	21.8	
13	Formation of pyramidal shaped single crystal diamonds in chemical vapor deposition. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , <b>2009</b> , 45, 553-557	0.9	
12	Nature of Charge Traps in Anode Oxide Films on GaAs. <i>Journal of the Electrochemical Society</i> , <b>1996</b> , 143, 1109-1112	3.9	
11	Effect of electric field on the vapor-phase growth of carbon nanostructures. <i>Technical Physics Letters</i> , <b>2007</b> , 33, 586-589	0.7	

- 10 Effect of substrate material on the structure of carbon films obtained by plasmachemical deposition. *Technical Physics Letters*, **2006**, 32, 735-737 0.7
- 9 Effect of the nanographite film thickness on the optical rectification pulse. *Technical Physics Letters*, **2005**, 31, 560 0.7
- 8 Thin Film Carbon Nanotube Cathodes for Field Emission Flat Panel Display and Light Source Application **2002**, 67-81
- 7 Emission Properties of Nanostructured Carbon Field-Emission Cathodes. *Materials Research Society Symposia Proceedings*, **2001**, 685, 1
- 6 Local Monitoring of Diamond Nucleation Density. *Journal of the Electrochemical Society*, **1996**, 143, 1061-1063 3.9
- 5 Silicon-Diamond Interface Band Structure. *Journal of the Electrochemical Society*, **1996**, 143, 1112-1114 3.9
- 4 Thin Film Carbon Nanotube Cathodes for Field Emission Flat Panel Display and Light Source Application **2002**, 67-81
- 3 Morphological Specific Features of (100)-Textured Polycrystalline Diamond Films. *Crystallography Reports*, **2020**, 65, 152-158 0.6
- 2 Quasi-two-dimensional diamond crystals: Deposition from a gaseous phase and structural/morphological properties. *Physics of the Solid State*, **2016**, 58, 1458-1462 0.8
- 1 Nanocarbon Photonics and Optoelectronics (Phys. Status Solidi B 9/2019). *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1970036 1.3