

Mikhail A Ovchinnikov

List of Publications by Year in descending order

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26
papers

103
citations

1478505

6
h-index

1474206

9
g-index

26
all docs

26
docs citations

26
times ranked

51
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Morphological Changes of Carbon Fiber Surfaces, Produced via Sputtering by Noble Gas Ions. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 122-126.	0.6	12
2	Ion-Induced Corrugation and Surface Erosion of PAN-Based Carbon Fiber. Physics of Atomic Nuclei, 2018, 81, 1547-1553.	0.4	10
3	The regularities of high-fluence ion-induced graphitization of diamond. Vacuum, 2018, 148, 195-200.	3.5	9
4	Dynamic annealing effects under high-fluence ion irradiation of glassy carbon. Vacuum, 2020, 179, 109469.	3.5	8
5	Corrugation of Carbon Fibers upon High-Fluence Ion Irradiation: Prospects and Applications. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 707-712.	0.6	8
6	The regularities of surface corrugation of polyacrylonitrile based carbon fibers under high-fluence ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2019, 460, 132-136.	1.4	7
7	Modification of polyacrylonitrile carbon fibers by highfluence ion irradiation. Journal of Physics: Conference Series, 2017, 941, 012028.	0.4	5
8	On the Dynamic Annealing of Ion-Induced Radiation Damage in Diamond under Irradiation at Elevated Temperatures. Journal of Surface Investigation, 2019, 13, 306-313.	0.5	5
9	The conductivity of high-fluence noble gas ion irradiated CVD polycrystalline diamond. Nuclear Instruments & Methods in Physics Research B, 2017, 406, 676-679.	1.4	4
10	Optical and electrical properties of synthetic single-crystal diamond under high-fluence ion irradiation. Journal of Surface Investigation, 2017, 11, 619-624.	0.5	4
11	Physical and mechanical properties of high-modulus carbon fiber crimped by ion irradiation. Journal of Physics: Conference Series, 2017, 941, 012029.	0.4	4
12	Formation of a Corrugated Surface on a Carbon Fiber under High-Fluence Irradiation with Nitrogen Ions. Journal of Surface Investigation, 2020, 14, 231-236.	0.5	4
13	Graphitization of a Polycrystalline Diamond under High-Fluence Irradiation with Noble Gas and Nitrogen Ions. Journal of Surface Investigation, 2017, 11, 1185-1191.	0.5	3
14	Modification of the Nanoglobular Structure of Glassy Carbon by Heat Treatment and Ion Irradiation. Journal of Surface Investigation, 2019, 13, 802-808.	0.5	3
15	Submicron Corrugation of Polyacrylonitrile-Based Carbon Fiber by High-Fluence Ion Irradiation. Journal of Surface Investigation, 2021, 15, 230-235.	0.5	3
16	Ion-beam modification of carbon textile Busofit T-040. Journal of Physics: Conference Series, 2018, 1121, 012008.	0.4	2
17	Effect of High-Fluence Ion Irradiation on the Structure and Electrical Properties of Polycrystalline Diamond. Journal of Surface Investigation, 2018, 12, 801-806.	0.5	2
18	Modifying the carbon fiber surface by helium ions bombardment. Journal of Physics: Conference Series, 2019, 1313, 012001.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Surface nanostructure evolution in carbon fiber under ion-induced corrugation. Journal of Physics: Conference Series, 2019, 1396, 012003.	0.4	2
20	Modification of the Surface of a Carbon Fiber under High-Fluence Irradiation with Carbon Ions. Journal of Surface Investigation, 2022, 16, 211-216.	0.5	2
21	Sorption properties of PAN-based carbon fiber corrugated by ion irradiation. Materials Today: Proceedings, 2018, 5, 26058-26061.	1.8	1
22	Surface corrugation of carbon fiber via high-fluence nitrogen ion irradiation. Journal of Physics: Conference Series, 2018, 1121, 012002.	0.4	1
23	Ion-plasma modification of the surface of light fiber materials. Journal of Physics: Conference Series, 2020, 1713, 012006.	0.4	1
24	Ion-Induced Electron Emission and Surface Erosion of Nanostructured Nickel under High-Fluence Irradiation with 30-keV Argon Ions. Journal of Surface Investigation, 2021, 15, S66-S72.	0.5	1
25	The Potential of High-Fluence Ion Irradiation for Processing and Recovery of Diamond Tools. Coatings, 2020, 10, 1243.	2.6	0
26	Effect of carbon fiber nanostructure on surface morphology under high-fluence ion irradiation. Journal of Physics: Conference Series, 2020, 1713, 012005.	0.4	0