

# Sergey A Novopashin

## List of Publications by Citations

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18  
papers

129  
citations

7  
h-index

11  
g-index

20  
ext. papers

145  
ext. citations

2.6  
avg, IF

2.62  
L-index

#	Paper	IF	Citations
18	The synthesis of few-layered graphene by the arc discharge sputtering of a Si-C electrode. <i>Carbon</i> , <b>2017</b> , 112, 97-102	10.4	25
17	Morphology of aluminium oxide nanostructures after calcination of arc discharge Al <sub>2</sub> O <sub>3</sub> soot. <i>Ceramics International</i> , <b>2015</b> , 41, 8814-8819	5.1	21
16	. <i>IEEE Transactions on Plasma Science</i> , <b>2008</b> , 36, 998-999	1.3	16
15	Pt/CeO and Pt/CeSnO Catalysts for Low-Temperature CO Oxidation Prepared by Plasma-Arc Technique. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 114	5	14
14	Viscosity of H <sub>2</sub> /O <sub>2</sub> Mixtures at (500, 800, and 1100) K. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 684-687	2.8	13
13	Molecule dependent turbulent memory. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2005</b> , 335, 435-438	2.3	7
12	Formation mechanism of MgO hollow nanospheres via calcination of C-MgO composite produced by electric arc spraying. <i>Ceramics International</i> , <b>2019</b> , 45, 7338-7343	5.1	7
11	Electroconductive and magnetic properties of pure carbon soot produced in arc discharge: Regimes of various buffer gas pressure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2017</b> , 214, 1700142	1.6	6
10	Synthesis of Hollow Nanoparticles <math>Al_{2}O_{3}</math>. <i>Advances in Nanoparticles</i> , <b>2013</b> , 02, 120-124	1.4	4
9	Tin-carbon nanomaterial formation in a helium atmosphere during arc-discharge.. <i>RSC Advances</i> , <b>2019</b> , 9, 36621-36630	3.7	4
8	Effects of the arc-discharge parameters on the morphology and the electrical conductivity of the synthesized carbon materials. <i>Materials Today: Proceedings</i> , <b>2017</b> , 4, 11406-11410	1.4	3
7	Two Types of Three-Dimensional Stratified Gas Discharge. <i>IEEE Transactions on Plasma Science</i> , <b>2011</b> , 39, 2548-2549	1.3	3
6	INFLUENCE OF INTERFACIAL PHENOMENA ON VISCOSITY AND THERMAL CONDUCTIVITY OF NANOFUIDS. <i>Interfacial Phenomena and Heat Transfer</i> , <b>2019</b> , 7, 151-165	1.1	3
5	Catalytic Pt-C Nanomaterial for Gas Diffusion Electrode: Arc-Discharge Synthesis and Improving of Electrical Conductivity Properties. <i>Key Engineering Materials</i> , <b>2017</b> , 729, 58-62	0.4	2
4	Spherical Glow Discharge at Positive and Negative Potential on the Central Electrode. <i>IEEE Transactions on Plasma Science</i> , <b>2014</b> , 42, 2604-2605	1.3	1
3	Self-generation of oscillatory motion of fluid in a pipe with longitudinal temperature gradient. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 315, 458-462	2.3	
2	Morphology, Chemical Composition, and Magnetic Properties of Arc Discharge Fe <sub>3</sub> O <sub>4</sub> Soot. <i>Springer Proceedings in Physics</i> , <b>2017</b> , 149-155	0.2	

- 1 Effect of the Kapitza temperature jump on thermal processes in nanofluids. *MATEC Web of Conferences*, **2016**, 84, 00026 0.3