

# Sergey A Novopashin

## List of Publications by Year in descending order

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20  
papers

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citations

1306789

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1125271

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all docs

20  
docs citations

20  
times ranked

178  
citing authors

#	ARTICLE	IF	CITATIONS
1	The synthesis of few-layered graphene by the arc discharge sputtering of a Si-C electrode. Carbon, 2017, 112, 97-102.	5.4	31
2	Morphology of aluminium oxide nanostructures after calcination of arc discharge Al <sup>+</sup> C soot. Ceramics International, 2015, 41, 8814-8819.	2.3	27
3	Pt/CeO <sub>2</sub> and Pt/CeSnO <sub>x</sub> Catalysts for Low-Temperature CO Oxidation Prepared by Plasma-Arc Technique. Frontiers in Chemistry, 2019, 7, 114.	1.8	24
4	Viscosity of H <sub>2</sub> ~CO <sub>2</sub> Mixtures at (500, 800, and 1100) K. Journal of Chemical & Engineering Data, 2004, 49, 684-687.	1.0	18
5	Three-Dimensional Striations of a Glow Discharge. IEEE Transactions on Plasma Science, 2008, 36, 998-999.	0.6	16
6	Formation mechanism of MgO hollow nanospheres via calcination of C-MgO composite produced by electric arc spraying. Ceramics International, 2019, 45, 7338-7343.	2.3	9
7	Tin <sup>+</sup> carbon nanomaterial formation in a helium atmosphere during arc-discharge. RSC Advances, 2019, 9, 36621-36630.	1.7	8
8	Molecule dependent turbulent memory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 435-438.	0.9	7
9	Electroconductive and magnetic properties of pure carbon soot produced in arc discharge: Regimes of various buffer gas pressure. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700142.	0.8	7
10	Synthesis of Hollow Nanoparticles &lt;i>i</i> <sup>3</sup> &lt;i>i</i>-Al&lt;i>i</i> <sub>2</sub> &lt;i>i</i>-O&lt;i>i</i> <sub>3</sub> &lt;i>i</i> <sub>2</sub>		
11	Effects of the arc-discharge parameters on the morphology and the electrical conductivity of the synthesized carbon materials. Materials Today: Proceedings, 2017, 4, 11406-11410.	0.9	4
12	Two Types of Three-Dimensional Stratified Gas Discharge. IEEE Transactions on Plasma Science, 2011, 39, 2548-2549.	0.6	3
13	INFLUENCE OF INTERFACIAL PHENOMENA ON VISCOSITY AND THERMAL CONDUCTIVITY OF NANOFUIDS. Interfacial Phenomena and Heat Transfer, 2019, 7, 151-165.	0.3	3
14	Catalytic Pt-C Nanomaterial for Gas Diffusion Electrode: Arc-Discharge Synthesis and Improving of Electrical Conductivity Properties. Key Engineering Materials, 2017, 729, 58-62.	0.4	2
15	Photoactivatable nanoCRISPR/Cas9 System Based on crRNA Reversibly Immobilized on Carbon Nanoparticles. International Journal of Molecular Sciences, 2021, 22, 10919.	1.8	2
16	Spherical Glow Discharge at Positive and Negative Potential on the Central Electrode. IEEE Transactions on Plasma Science, 2014, 42, 2604-2605.	0.6	1
17	Self-generation of oscillatory motion of fluid in a pipe with longitudinal temperature gradient. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 315, 458-462.	0.9	0
18	Effect of the Kapitza temperature jump on thermal processes in nanofluids. MATEC Web of Conferences, 2016, 84, 00026.	0.1	0

#	ARTICLE	IF	CITATIONS
19	VACUUM PROCESSING OF GOLD-BEARING CLAY MATERIALS. Interfacial Phenomena and Heat Transfer, 2019, 7, 123-129.	0.3	0
20	Morphology, Chemical Composition, and Magnetic Properties of Arc Discharge Feâ€C Soot. Springer Proceedings in Physics, 2017, , 149-155.	0.1	0