

# Peter I Belobrov

## List of Publications by Year in descending order

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23  
papers

358  
citations

840776

11  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

307  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface properties of nanodiamond films deposited by electrophoresis on Si(100). <i>Diamond and Related Materials</i> , 1999, 8, 805-808.	3.9	45
2	Thermal properties of diamond/carbon composites. <i>Diamond and Related Materials</i> , 2000, 9, 1104-1109.	3.9	41
3	Electrophoresis of nanodiamond powder for cold cathode fabrication. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999, 17, 715.	1.6	40
4	Low-field electron emission of diamond/pyrocarbon composites. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2001, 19, 965.	1.6	35
5	Handheld Enzymatic Luminescent Biosensor for Rapid Detection of Heavy Metals in Water Samples. <i>Chemosensors</i> , 2019, 7, 16.	3.6	28
6	Electron spectroscopy of nanodiamond surface states. <i>Applied Surface Science</i> , 2003, 215, 169-177.	6.1	27
7	Bioluminescent Analysis. The Action of Toxicants: Physical-Chemical Regularities of the Toxicants Effects. <i>Analytical Letters</i> , 1994, 27, 2931-2947.	1.8	25
8	Single bright NV centers in aggregates of detonation nanodiamonds. <i>Optical Materials Express</i> , 2017, 7, 4038.	3.0	23
9	Paramagnetic properties of nanodiamond. <i>Doklady Physics</i> , 2001, 46, 459-462.	0.7	22
10	Characterization of field emission cathodes with different forms of diamond coatings. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1999, 17, 666.	1.6	16
11	Disposable luciferase-based microfluidic chip for rapid assay of water pollution. <i>Luminescence</i> , 2018, 33, 1054-1061.	2.9	15
12	SURFACE BONDING STATES OF NANO-CRYSTALLINE DIAMOND BALLS. <i>International Journal of Modern Physics B</i> , 2001, 15, 4071-4085.	2.0	11
13	Analytical Enzymatic Reactions in Microfluidic Chips. <i>Applied Biochemistry and Microbiology</i> , 2017, 53, 775-780.	0.9	9
14	Incommensurate structure as a nonlinear resonance between an atomic chain and a field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 97, 409-412.	2.1	6
15	Active mixing of immobilised enzymatic system in microfluidic chip. <i>Micro and Nano Letters</i> , 2017, 12, 377-381.	1.3	5
16	Electrical and magnetic properties of nanodiamond and pyrocarbon composites. <i>Russian Journal of General Chemistry</i> , 2013, 83, 2173-2181.	0.8	3
17	Devil's staircase in double helices self-organization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 122, 323-326.	2.1	2
18	Dissolution and mixing of flavin mononucleotide in microfluidic chips for bioassay. <i>Journal of Physics: Conference Series</i> , 2016, 741, 012058.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Methods of nonlinear dynamics and equilibrium structures of magnetoelastic chains. Journal of Statistical Physics, 1985, 38, 393-404.	1.2	1
20	Specific features in the change of electrical resistivity of carbon nanocomposites based on nanodiamonds under neutron irradiation. Physics of the Solid State, 2013, 55, 1480-1486.	0.6	1
21	Electrophysical properties of carbon nanocomposites based on nanodiamonds irradiated with fast neutrons. Physics of the Solid State, 2014, 56, 152-156.	0.6	1
22	Uniform distribution and stabilization of nanoparticles in a bacterial poly-beta-hydroxybutyrate gel. Doklady Biochemistry and Biophysics, 2001, 376, 23-25.	0.9	0
23	Droplet Reactors with Bioluminescent Enzymes for Real-Time Water Pollution Monitoring. , 0, , .		0