

# Leonid Chernozatonskii

## List of Publications by Year in descending order

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20  
papers

521  
citations

1039880

9  
h-index

887953

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rectification Properties of Carbon Nanotube $\gamma$ -Junctions. Physical Review Letters, 2001, 87, 066802.	2.9	190
2	Transport properties of single-wall carbon nanotube $\gamma$ junctions. Physical Review B, 2002, 65, .	1.1	91
3	Ballistic switching and rectification in single wall carbon nanotube $\gamma$ junctions. Applied Physics Letters, 2001, 79, 266-268.	1.5	80
4	Translation Symmetry Breakdown in Low-Dimensional Lattices of Pentagonal Rings. Journal of Physical Chemistry Letters, 2015, 6, 4525-4531.	2.1	35
5	High-resolution ultrasonic ultrasound methods: Microstructure visualization and diagnostics of elastic properties of modern materials (Review). Inorganic Materials, 2010, 46, 1655-1661.	0.2	27
6	Novel hybrid ultrahard material. Journal of Superhard Materials, 2010, 32, 293-300.	0.5	22
7	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. AIP Advances, 2015, 5, .	0.6	18
8	Nonlinear Resistance Dependence on Length in Single-Wall Carbon Nanotubes. Nano Letters, 2003, 3, 131-134.	4.5	17
9	Application of pulse acoustic microscopy technique for 3D imaging bulk microstructure of carbon fiber-reinforced composites. Ultrasonics, 2006, 44, e1037-e1044.	2.1	15
10	Effect of heat treatment on the elastic characteristics of a bulk amorphous Zr-Cu-Ni-Al-Ti alloy. Physics of the Solid State, 2006, 48, 2091-2094.	0.2	5
11	Studying the Degradation of Reinforced Composites by High-Resolution Ultrasonic Means. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 491-495.	0.1	5
12	Microacoustic study of anisotropy in optically isotropic pyrolytic nanocarbon. Crystallography Reports, 2005, 50, 690-694.	0.1	4
13	Developing Techniques of Acoustic Microscopy for Monitoring Processes of Osteogenesis in Regenerative Medicine. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 653-656.	0.1	4
14	Processing an acoustic microscope's spatiotemporal signal to determine the parameters of an isotropic layer. Acoustical Physics, 2017, 63, 744-750.	0.2	3
15	Thermal oxidation and photo- and biodestruction of the statistical copolymer of ethylene with carbon monoxide. Russian Journal of Physical Chemistry B, 2011, 5, 139-147.	0.2	2
16	High-Resolution Ultrasound Technologies for Studying Biological Objects. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 502-506.	0.1	2
17	Study of Eye Pathologies in the Japanese Quail Biomodel Coturnix japonica. Russian Journal of Physical Chemistry B, 2022, 16, 97-102.	0.2	1
18	Ultrasonic Visualization of the Dynamics of Fracturing for Reinforced Composites. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 642-646.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Determination of fracture toughness for carbon fiber reinforced plastics free of the crack initiator using the acoustic microscopy. <i>Zavodskaya Laboratoriya Diagnostika Materialov</i> , 2020, 86, 58-65.	0.1	0
20	Acoustic Visualization of Damage in the Structure of Carbon Fiber Reinforced Plastic Composites after Mechanical Treatment. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2022, 86, 74-78.	0.1	0