

# Leonid Chernozatonskii

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

463  
citations

9  
h-index

20  
g-index

20  
ext. papers

500  
ext. citations

2.3  
avg, IF

2.89  
L-index

#	Paper	IF	Citations
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> , <b>2022</b> , 86, 74-78	0.4	
19	Study of Eye Pathologies in the Japanese Quail Biomodel <i>Coturnix japonica</i> . <i>Russian Journal of Physical Chemistry B</i> , <b>2022</b> , 16, 97-102	1.2	0
18	Ultrasonic Visualization of the Dynamics of Fracturing for Reinforced Composites. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2021</b> , 85, 642-646	0.4	
17	Determination of fracture toughness for carbon fiber reinforced plastics free of the crack initiator using the acoustic microscopy. <i>Zavodskaya Laboratoriya Diagnostika Materialov</i> , <b>2020</b> , 86, 58-65	0.3	
16	Developing Techniques of Acoustic Microscopy for Monitoring Processes of Osteogenesis in Regenerative Medicine. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2020</b> , 84, 653-656	0.4	3
15	High-Resolution Ultrasound Technologies for Studying Biological Objects. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2018</b> , 82, 502-506	0.4	2
14	Studying the Degradation of Reinforced Composites by High-Resolution Ultrasonic Means. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2018</b> , 82, 491-495	0.4	4
13	Processing an acoustic microscope's spatiotemporal signal to determine the parameters of an isotropic layer. <i>Acoustical Physics</i> , <b>2017</b> , 63, 744-750	1.1	1
12	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. <i>AIP Advances</i> , <b>2015</b> , 5, 067137	1.5	15
11	Translation symmetry breakdown in low-dimensional lattices of pentagonal rings. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4525-31	6.4	26
10	Thermal oxidation and photo- and biodestruction of the statistical copolymer of ethylene with carbon monoxide. <i>Russian Journal of Physical Chemistry B</i> , <b>2011</b> , 5, 139-147	1.2	2
9	High-resolution ultrasonic ultrasound methods: Microstructure visualization and diagnostics of elastic properties of modern materials (Review). <i>Inorganic Materials</i> , <b>2010</b> , 46, 1655-1661	0.9	24
8	Novel hybrid ultrahard material. <i>Journal of Superhard Materials</i> , <b>2010</b> , 32, 293-300	0.9	17
7	Application of pulse acoustic microscopy technique for 3D imaging bulk microstructure of carbon fiber-reinforced composites. <i>Ultrasonics</i> , <b>2006</b> , 44 Suppl 1, e1037-44	3.5	12
6	Effect of heat treatment on the elastic characteristics of a bulk amorphous Zr-Cu-Ni-Al-Ti alloy. <i>Physics of the Solid State</i> , <b>2006</b> , 48, 2091-2094	0.8	4
5	Microacoustic study of anisotropy in optically isotropic pyrolytic nanocarbon. <i>Crystallography Reports</i> , <b>2005</b> , 50, 690-694	0.6	2
4	Nonlinear Resistance Dependence on Length in Single-Wall Carbon Nanotubes. <i>Nano Letters</i> , <b>2003</b> , 3, 131-134	11.5	17

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|---|--|-----|-----|
| 3 | Transport properties of single-wall carbon nanotube Y junctions. <i>Physical Review B</i> , <b>2002</b> , 65,                                | 3-3 | 84  |
| 2 | Ballistic switching and rectification in single wall carbon nanotube Y junctions. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 266-268 | 3-4 | 73  |
| 1 | Rectification properties of carbon nanotube "Y-junctions". <i>Physical Review Letters</i> , <b>2001</b> , 87, 066802                         | 7-4 | 177 |