

Leonid Chernozatonskii

List of Publications by Citations

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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 | Rectification properties of carbon nanotube "Y-junctions". <i>Physical Review Letters</i> , 2001 , 87, 066802 | 7.4 | 177 |
| 19 | Transport properties of single-wall carbon nanotube Y junctions. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 84 |
| 18 | Ballistic switching and rectification in single wall carbon nanotube Y junctions. <i>Applied Physics Letters</i> , 2001 , 79, 266-268 | 3.4 | 73 |
| 17 | Translation symmetry breakdown in low-dimensional lattices of pentagonal rings. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4525-31 | 6.4 | 26 |
| 16 | High-resolution ultrasonic ultrasound methods: Microstructure visualization and diagnostics of elastic properties of modern materials (Review). <i>Inorganic Materials</i> , 2010 , 46, 1655-1661 | 0.9 | 24 |
| 15 | Novel hybrid ultrahard material. <i>Journal of Superhard Materials</i> , 2010 , 32, 293-300 | 0.9 | 17 |
| 14 | Nonlinear Resistance Dependence on Length in Single-Wall Carbon Nanotubes. <i>Nano Letters</i> , 2003 , 3, 131-134 | 11.5 | 17 |
| 13 | Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. <i>AIP Advances</i> , 2015 , 5, 067137 | 1.5 | 15 |
| 12 | Application of pulse acoustic microscopy technique for 3D imaging bulk microstructure of carbon fiber-reinforced composites. <i>Ultrasonics</i> , 2006 , 44 Suppl 1, e1037-44 | 3.5 | 12 |
| 11 | 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> , 2006 , 48, 2091-2094 | 0.8 | 4 |
| 10 | Studying the Degradation of Reinforced Composites by High-Resolution Ultrasonic Means. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018 , 82, 491-495 | 0.4 | 4 |
| 9 | Developing Techniques of Acoustic Microscopy for Monitoring Processes of Osteogenesis in Regenerative Medicine. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2020 , 84, 653-656 | 0.4 | 3 |
| 8 | High-Resolution Ultrasound Technologies for Studying Biological Objects. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018 , 82, 502-506 | 0.4 | 2 |
| 7 | Thermal oxidation and photo- and biodestruction of the statistical copolymer of ethylene with carbon monoxide. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 139-147 | 1.2 | 2 |
| 6 | Microacoustic study of anisotropy in optically isotropic pyrolytic nanocarbon. <i>Crystallography Reports</i> , 2005 , 50, 690-694 | 0.6 | 2 |
| 5 | Processing an acoustic microscope's spatiotemporal signal to determine the parameters of an isotropic layer. <i>Acoustical Physics</i> , 2017 , 63, 744-750 | 1.1 | 1 |
| 4 | Study of Eye Pathologies in the Japanese Quail Biomodel <i>Coturnix japonica</i> . <i>Russian Journal of Physical Chemistry B</i> , 2022 , 16, 97-102 | 1.2 | 0 |

- 3 Acoustic Visualization of Damage in the Structure of Carbon Fiber Reinforced Plastic Composites after Mechanical Treatment. *Bulletin of the Russian Academy of Sciences: Physics*, **2022**, 86, 74-78 0.4
- 2 Determination of fracture toughness for carbon fiber reinforced plastics free of the crack initiator using the acoustic microscopy. *Zavodskaya Laboratoriya Diagnostika Materialov*, **2020**, 86, 58-65 0.3
- 1 Ultrasonic Visualization of the Dynamics of Fracturing for Reinforced Composites. *Bulletin of the Russian Academy of Sciences: Physics*, **2021**, 85, 642-646 0.4