# Nadezhda A Shurygina

List of Publications by Year
in descending order



| 28 | 145 | 1163117 8 | 1281871 11 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 28 | 28 | 28 | 92 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Revealing Hydrogen States in Carbon Structures by Analyzing the Thermal Desorption Spectra. Journal of Carbon Research, 2022, 8, 6. | 2.7 | 4 |
| 2 | On the Problem of â€œSuperâ€•Storage of Hydrogen in Graphite Nanofibers. Journal of Carbon Research, 2022, 8, 23. | 2.7 | 1 |
| 3 | Effect of Microalloying Elements on the Physicochemical Properties of Commercial-Purity Titanium Subjected to Severe Plastic Deformation. Russian Metallurgy (Metally), 2021, 2021, 410-417. | 0.5 | 1 |
| 4 | Peculiarities of structure and properties of titanium during fragmentation and reversal in a torsion process under high pressure. IOP Conference Series: Materials Science and Engineering, 2020, 709, 044090. | 0.6 | 2 |
| 5 | On manifestation & physics of the Kurdjumov and spillover effects in carbon nanostructures, under intercalation of high density hydrogen. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 233-237. | 2.1 | 7 |
| 6 | On characteristics and physics of processes of thermal desorption of deuterium from isotropic graphite at 700â€“1700ÂK. Journal of Nuclear Materials, 2020, 535, 152162. | 2.7 | 11 |
| 7 | On the kinetic analysis of the hydrogen thermal desorption spectra for graphite and advanced carbon nanomaterials. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 147-149. | 2.1 | 3 |
| 8 | Production methods of amorphous-crystalline materials. Deformatsiya I Razrushenie Materialov, 2020, , 2-15. | 0.1 | 0 |
| 9 | The effect of megaplastic deformation in the Bridgman chamber on the phase transformations, corrosion behavior, and microhardness of pure VT1-00 and VT1-0 titanium. Vektor Nauki Tol Yattinskogo Gosudarstvennogo Universiteta, 2020, , 77-85. | 0.1 | 0 |
| 10 | Effect of Megaplastic Deformation in a Bridgman Chamber at Various Temperatures on the Corrosion Resistance of VT1-0 Titanium. Russian Metallurgy (Metally), 2019, 2019, 326-330. | 0.5 | 1 |
| 11 | Effect of the Fractionality and Direction of Severe Plastic Deformation on the Structure and Properties of Commercial-Purity Titanium. Russian Metallurgy (Metally), 2019, 2019, 1051-1056. | 0.5 | 0 |
| 12 | Stochastic Computer Model of the Kinetics of Multicomponent Intercrystalline Adsorption in Solid Solutions. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 1172-1179. | 0.6 | 0 |
| 13 | Effect of the Temperature of Megaplastic Deformation in a Bridgman Chamber on the Formation of Structures and the Physicochemical Properties of Titanium (BT1-0). Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 1113-1124. | 0.6 | 14 |
| 14 | Influence of the Temperature of Straining in a Bridgman Chamber on Peculiarities of the Defect Structure Formation in Commercial-Grade Titanium. Technical Physics Letters, 2018, 44, 934-937. | 0.7 | 1 |
| 15 | Influence of severe plastic deformation in Bridgman chamber at different temperatures on corrosion resistance of titanium VT1-0. Deformatsiya I Razrushenie Materialov, 2018, , 15-20. | 0.1 | 0 |
| 16 | Effect of Î³-(Fe,Ni) crystal-size stabilization in Feâ€“Niâ€“B amorphous ribbon. Physics of Metals and Metallography, 2017, 118, 176-182. | 1.0 | 6 |
| 17 | Grain boundary engineering and superstrength of nanocrystals. Technical Physics Letters, 2016, 42, 51-54. | 0.7 | 14 |
| 18 | Approach to the Theoretical Strength of Tiâ€“Niâ€“Cu Alloy Nanocrystals by Grain Boundary Design. Journal of Materials Science and Technology, 2015, 31, 91-96. | 10.7 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Physical criterion for the time-temperature stability of the mechanical behavior of amorphous alloys. Russian Metallurgy (Metally), 2015, 2015, 274-277. | 0.5 | 1 |
| 20 | Constructing the pair interaction potentials of iron atoms with other metals. Inorganic Materials: Applied Research, 2015, 6, 402-406. | 0.5 | 15 |
| 21 | Pinning of nanocrystals growth at Feâ€“Niâ€“B amorphous alloy crystallization: Atom probe investigations. Materials Letters, 2015, 160, 339-342. | 2.6 | 9 |
| 22 | Interaction of deformation shear bands with nanoparticles in amorphous-nanocrystalline alloys. Russian Metallurgy (Metally), 2013, 2013, 235-244. | 0.5 | 21 |
| 23 | Self-blocking of shear bands and the delocalization of plastic flows in amorphous alloys upon megaplastic deformation. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1391-1396. | 0.6 | 13 |
| 24 | Engineering of grain boundaries as a method for achieving the ultimate (theoretical) strength of nanocrystals. Russian Metallurgy (Metally), 2012, 2012, 853-859. | 0.5 | 0 |
| 25 | Effect of nanocrystallization on the mechanical and magnetic properties of finemet-type alloy (Fe78.5Si13.5B9Nb3Cu1). Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 44-50. | 0.6 | 5 |
| 26 | Application of the principle of engineering of grain boundaries for realization of the ultimate (theoretical) strength of nanocrystals. Doklady Physics, 2012, 57, 4-6. | 0.7 | 0 |
| 27 | Structural features of crystallization and hardening of amorphous alloy in the Fe-Cr-B system. Inorganic Materials: Applied Research, 2012, 3, 23-27. | 0.5 | 3 |
| 28 | Effect of nanocrystallization on the mechanical behavior of Fe-Ni-based amorphous alloys. Russian Metallurgy (Metally), 2011, 2011, 947-955. | 0.5 | 9 |