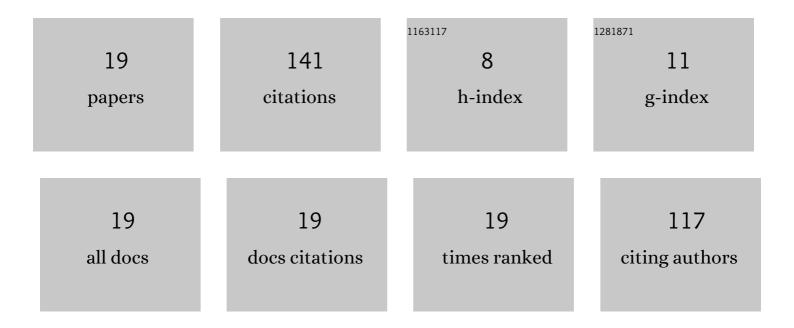
## Ivan Nelasov

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Interaction of Ti and Cr atoms with point defects in bcc vanadium: A DFT study. Journal of Nuclear<br>Materials, 2017, 492, 14-21.   | 2.7 | 29        |
| 2  | Investigations and computer simulations of the intergrain diffusion in submicro-and nanocrystalline metals. Russian Physics Journal, 2008, 51, 385-399.  | 0.4 | 13        |
| 3  | A molecular-dynamics simulation of grain-boundary diffusion of niobium and experimental<br>investigation of its recrystallization in a niobium-copper system. Russian Physics Journal, 2013, 56,<br>330-337. | 0.4 | 12        |
| 4  | Effect of titanium on the primary radiation damage and swelling of vanadium-titanium alloys. Letters on Materials, 2018, 8, 263-267.   | 0.7 | 12        |
| 5  | Investigations of the thermal stability of the microstructure of titanium produced by intense plastic deformation. Russian Physics Journal, 2012, 54, 918-936.   | 0.4 | 11        |
| 6  | Development of an interatomic potential for titanium with high predictive accuracy of thermal properties up to melting point. Computational Materials Science, 2019, 160, 30-41.                             | 3.0 | 11        |
| 7  | Self-Diffusion Parameters of Grain Boundaries and Triple Junctions in Nanocrystalline Materials.<br>Defect and Diffusion Forum, 0, 309-310, 45-50.   | 0.4 | 8         |
| 8  | Molecular Dynamics Simulations of the Excess Vacancy Evolution in V and V-4Ti. Defect and Diffusion Forum, 2017, 375, 153-166.   | 0.4 | 8         |
| 9  | Angular dependent interatomic potential for Ti–V system for molecular dynamics simulations.<br>Modelling and Simulation in Materials Science and Engineering, 2020, 28, 055010.                              | 2.0 | 8         |
| 10 | Molecular dynamics simulation of primary radiation damage in vanadium and alloy V-4Ti. Journal of<br>Physics: Conference Series, 2019, 1147, 012087.   | 0.4 | 7         |
| 11 | Prediction of the diffusion characteristics of the V-Cr system by molecular dynamics based on N-body interatomic potentials. Computational Materials Science, 2021, 198, 110648.                             | 3.0 | 5         |
| 12 | Formation of a pentagonal particle structure from copper nanoclusters. Russian Physics Journal, 2009, 52, 138-143.   | 0.4 | 4         |
| 13 | Study of the evolution of the Cu/Nb interphase boundary by the molecular dynamics method. Russian<br>Physics Journal, 2009, 52, 1193-1198.   | 0.4 | 4         |
| 14 | The study of Cu/Nb interface diffusion using molecular dynamics simulation. St Petersburg<br>Polytechnical University Journal Physics and Mathematics, 2016, 2, 91-95.                                       | 0.3 | 3         |
| 15 | Molecular dynamic simulations of the interaction of interstitial atoms with vacancy complexes in V<br>and V-4Ti. AIP Conference Proceedings, 2017, , .   | 0.4 | 3         |
| 16 | Molecular-dynamics simulation of the α-Ti plastic deformation under conditions of high-energy effects. AIP Conference Proceedings, 2018, , .   | 0.4 | 2         |
| 17 | Molecular dynamics simulation of the behavior of titanium under high-speed deformation. Modelling and Simulation in Materials Science and Engineering, 2021, 29, 065007.                                     | 2.0 | 1         |
| 18 | Angular dependent interatomic potential for Ti-V system for molecular dynamics simulations.<br>Modelling and Simulation in Materials Science and Engineering, 0, , .   | 2.0 | 0         |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Self-point defect trapping responsible for radiation swelling reduction in V–Ti alloys. Solid State<br>Communications, 2021, 329, 114252. | 1.9 | Ο         |