Trusov Peter

List of Publications by Year
in descending order

12 papers	**129** citations	1478505 **6** h-index	1199594 **12** g-index
12 all docs	**12** docs citations	**12** times ranked	**9** citing authors

#	Article	IF	Citations
1	Multilevel models of inelastic deformation of materials and their application for description of internal structure evolution. Physical Mesomechanics, 2012, 15, 155-175.	1.9	55
2	MULTILEVEL METAL MODELS: FORMULATION FOR LARGE DISPLACEMENT GRADIENTS. Nanoscience and Technology, 2017, 8, 133-166.	1.8	17
3	Statistical Crystal Plasticity Model Advanced for Grain Boundary Sliding Description. Crystals, 2020, 10, 822.	2.2	11
4	MULTILEVEL MODELS OF POLYCRYSTALLINE METALS: COMPARISON OF RELATIONS DESCRIBING THE CRYSTALLITE LATTICE ROTATIONS. Nanoscience and Technology, 2019, 10, 1-20.	1.8	10
5	Description of Dynamic Recrystallization by Means of An Advanced Statistical Multilevel Model: Grain Structure Evolution Analysis. Crystals, 2022, 12, 653.	2.2	10
6	Some Issues on Crystal Plasticity Models Formulation: Motion Decomposition and Constitutive Law Variants. Crystals, 2021, 11, 1392.	2.2	6
7	The Three-Level Elastoviscoplastic Model and Its Application to Describing Complex Cyclic Loading of Materials with Different Stacking Fault Energies. Materials, 2022, 15, 760.	2.9	6
8	ABOUT GEOMETRICALLY NONLINEAR CONSTITUTIVE RELATIONS FOR ELASTIC MATERIAL. PNRPU Mechanics Bulletin, 2015, , 182-200.	0.4	5
9	On Elastic Symmetry Identification for Polycrystalline Materials. Symmetry, 2017, 9, 240.	2.2	4
10	An application of clustering techniques to reducing crystallographic texture data. AIP Conference Proceedings, 2020, , .	0.4	2
11	Reduced Statistical Representation of Crystallographic Textures Based on Symmetry-Invariant Clustering of Lattice Orientations. Crystals, 2021, 11, 336.	2.2	2
12	Modeling of Polycrystalline Materials Deformation with Dislocation Structure Evolution and Transition to Fracture. Communications in Computer and Information Science, 2020, , 80-94.	0.5	1