Dmitry V Gunderov

List of Publications by Year
in descending order

32	626	516710 16	610901 24
papers	citations	h-index	g-index

32	32	32	511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Post-Deformation Annealing on Structure and Properties of Nickel-Enriched Ti-Ni Shape Memory Alloy Deformed in Various Initially Deformation-Induced Structure States. Crystals, 2022, 12, 506.	2.2	5
2	Influence of HPT and Accumulative High-Pressure Torsion on the Structure and Hv of a Zirconium Alloy. Metals, 2021, 11, 573.	2.3	10
3	Study of micro indentation assisted deformation on HPT processed Zr62Cu22Al10Fe5Dy1 bulk metallic glass. Journal of Non-Crystalline Solids, 2021, 566, 120877.	3.1	5
4	The Investigation of Mechanical and Functional Properties and Microstructural Features of Coarse-Grained SME Ti49.0Ni51.0 Alloy during Multiple Martensitic Transformations and Annealing. MATEC Web of Conferences, 2021, 346, 02011.	0.2	0
5	Consolidation of the Amorphous Zr₅₀Cu₅₀ Ribbons by Highâ€Pressure Torsion. Advanced Engineering Materials, 2020, 22, 1900694.	3.5	6
6	Microstructure and mechanical properties of Cu-graphene composites produced by two high pressure torsion procedures. Materials Characterization, 2020, 161, 110122.	4.4	28
7	Devitrification of Zr55Cu30Al15Ni5Bulk Metallic Glass under Heating and HPT Deformation. Metals, 2020, 10, 1329.	2.3	4
8	Influence of High-Pressure Torsion and Accumulative High-Pressure Torsion on Microstructure and Properties of Zr-Based Bulk Metallic Glass Vit105. Metals, 2020, 10, 1433.	2.3	9
9	Influence of HPT Deformation on the Structure and Properties of Amorphous Alloys. Metals, 2020, 10, 415.	2.3	25
10	Microstructural and Mechanical Stability of a Ti-50.8 at.% Ni Shape Memory Alloy Achieved by Thermal Cycling with a Large Number of Cycles. Metals, 2020, 10, 227.	2.3	10
11	Influence of alloying elements on the thermal stability of ultra-fine-grained Ni alloys. Journal of Materials Science, 2019, 54, 10506-10515.	3.7	6
12	Structure, phase transformations and properties of the TiNi-TiCu alloys subjected to high pressure torsion. Materials Today: Proceedings, 2017, 4, 4846-4850.	1.8	2
13	The influence of defect structures on the mechanical properties of Ti-6Al-4V alloys deformed by high-pressure torsion at ambient temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 1-13.	5.6	38
14	Features of the mechanical behavior of ultrafine-grained and nanostructured TiNi alloys. Materials Today: Proceedings, 2017, 4, 4825-4829.	1.8	19
15	Transformation of the microstructure and properties of ultrafine-grained TiNi alloys during the processing by ECAP-conform via the isothermal regime. MATEC Web of Conferences, 2017, 129, 02038.	0.2	2
16	Stability of an Amorphous TiCuNi Alloy Subjected to Highâ€Pressure Torsion at Different Temperatures. Advanced Engineering Materials, 2015, 17, 1728-1732.	3.5	16
17	Effect of temperature on microstructural stabilization and mechanical properties in the dynamic testing of nanocrystalline pure Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 634, 64-70.	5.6	17
18	Phase evolution, microstructure and magnetic properties of bulk Î±-Fe/Nd 2 Fe 14 B nanocomposite magnets prepared by severe plastic deformation and thermal annealing. Journal of Alloys and Compounds, 2015, 651, 434-439.	5.5	17

#	Article	IF	Citations
19	Transformation of the TiNi Alloy Microstructure and the Mechanical Properties Caused by Repeated B2-B19â€² Martensitic Transformations. Acta Metallurgica Sinica (English Letters), 2015, 28, 1230-1237.	2.9	22
20	Physical Simulation of Hot Rolling of Ultra-fine Grained Pure Titanium. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2014, 45, 2315-2326.	2.1	4
21	Microstructure and martensitic transformation of an ultrafine-grained TiNiNb shape memory alloy processed by equal channel angular pressing. Intermetallics, 2014, 49, 81-86.	3.9	37
22	Transformation hysteresis and shape memory effect of an ultrafine-grained TiNiNb shape memory alloy. Intermetallics, 2014, 54, 133-135.	3.9	20
23	Simultaneously increasing the magnetization and coercivity of bulk nanocomposite magnets via severe plastic deformation. Applied Physics Letters, 2013, 103, .	3.3	77
24	Superelasticity and its stability of an ultrafine-grained Ti49.2Ni50.8 shape memory alloy processed by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 587, 61-64.	5.6	24
25	Thermal cycling stability of ultrafine-grained TiNi shape memory alloys processed by equal channel angular pressing. Scripta Materialia, 2012, 67, 1-4.	5.2	39
26	Bulk Î±-Fe/Nd2Fe14B nanocomposite magnets produced by severe plastic deformation combined with thermal annealing. Journal of Applied Physics, 2010, 108, .	2.5	18
27	Suppression of Ni₄Ti₃ Precipitation by Grain Size Refinement in Niâ€Rich NiTi Shape Memory Alloys. Advanced Engineering Materials, 2010, 12, 747-753.	3.5	60
28	Optimization of the Magnetic Properties of FePd Alloys by Severe Plastic Deformation. Advanced Engineering Materials, 2010, 12, 708-713.	3.5	11
29	Atomic-scale structural evolution in amorphous Nd9Fe85B6 subjected to severe plastic deformation at room temperature. Applied Physics Letters, 2009, 94, 231904.	3.3	21
30	Nanostructuring of TiNi Alloy by SPD Processing for Advanced Properties. Materials Transactions, 2008, 49, 97-101.	1.2	68
31	High density of shear bands in the Vitreloy bulk metallic glass subjected to high-pressure torsion. IOP Conference Series: Materials Science and Engineering, 0, 1008, 012031.	0.6	1
32	Effect of Equal Channel Angular Pressing and Repeated Rolling on Structure, Phase Transformations and Properties of TiNi Shape Memory Alloys. Materials Science Forum, 0, , 539-544.	0.3	5