Ilchat Sabirov

List of Publications by Citations

17 papers	511 citations	8 h-index	18 g-index
18 ext. papers	563 ext. citations	3.9 avg, IF	3.28 L-index

#	Paper	IF	Citations
17	Nanostructured titanium-based materials for medical implants: Modeling and development. *Materials Science and Engineering Reports*, **2014**, 81, 1-19	30.9	166
16	Bulk Nanostructured Metals for Innovative Applications. *Jom*, **2012**, 64, 1134-1142	2.1	96
15	Effect of the cooling rate on microstructure and hardness of MAR-M247 Ni-based superalloy. *Materials Letters*, **2012**, 73, 216-219	3.3	48
14	Role of grain boundary sliding in the anisotropy of magnesium alloys. *Scripta Materialia*, **2009**, 61, 277-280	3.6	45
13	Deformation modes and anisotropy in magnesium alloy AZ31. *International Journal of Materials Research*, **2009**, 100, 556-563	0.5	38
12	Microstructure and hardness evolution in MAR-M247 Ni-based superalloy processed by controlled cooling and double heat treatment. *Journal of Alloys and Compounds*, **2013**, 550, 339-344	5.7	30
11	Cyclic deformation response of UFG 2024 Al alloy. *International Journal of Fatigue*, **2011**, 33, 700-709	5	30
10	Fatigue Behavior of an Ultrafine-Grained Al-Mg-Si Alloy Processed by High-Pressure Torsion. *Metals* , **2015**, 5, 578-590	2.3	22
9	Investment casting of nozzle guide vanes from nickel-based superalloys: part I – thermal calibration and porosity prediction. *Integrating Materials and Manufacturing Innovation*, **2014**, 3, 344-368	2.9	8
8	Effect of Q&P parameters on microstructure development and mechanical behaviour of Q&P steels. *Revista De Metalurgia*, **2015**, 51, e035	0.4	7
7	A physical simulation study of the effect of thermal variations on the secondary dendrite arm spacing in a Ni-based superalloy. *Philosophical Magazine Letters*, **2014**, 94, 86-94	1	5
6	A Novel High-throughput Technique for Establishing the Solidification-Microstructure Relationships. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2014**, 45, 482-488	2.5	5
5	Deformation mechanisms in an ultra-fine grained Al alloy. *International Journal of Materials Research*, **2009**, 100, 1679-1685	0.5	5
4	Physical Simulation of Investment Casting of Complex Shape Parts. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2015**, 46, 2227-2237	2.3	3
3	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	2.5	3
2	Deformation Behaviour of a Commercial Pure Titanium Alloy during Hot Compression Testing. *Materials Science Forum*, **2013**, 773-774, 281-286	0.4	0
1	Superior Mechanical Properties of Nanostructured Light Metallic Materials and Their Innovation Potential **2015**, 17-33		