Soner Ozgen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9236899/publications.pdf

Version: 2024-02-01

25 papers	270 citations	933264 10 h-index	996849 15 g-index
25 all docs	25 docs citations	25 times ranked	163 citing authors

#	Article	IF	Citations
1	Molecular dynamics simulation of solidification kinetics of aluminium using Suttonâ€“Chen version of EAM. Materials Letters, 2004, 58, 1071-1075.	1.3	38
2	Pressure effects on martensitic transformation under quenching process in a molecular dynamics model of NiAl alloy. Physica B: Condensed Matter, 2003, 334, 375-381.	1.3	29
3	Ageing effects on ordering degree and morphology of 18R-type martensite in shape memory CuZnAl alloys. Materials Research Bulletin, 1997, 32, 569-578.	2.7	23
4	Investigation of the thermoelastic phase transformation in a NiAl alloy by molecular dynamics simulation. Journal of Physics and Chemistry of Solids, 2004, 65, 861-865.	1.9	21
5	Molecular dynamics simulation of diffusionless phase transformation in a quenched NiAl alloy model. Journal of Physics and Chemistry of Solids, 2003, 64, 459-464.	1.9	19
6	Pressure effect on the structural properties of amorphous Ag during isothermal annealing. Intermetallics, 2008, 16, 793-800.	1.8	19
7	The calculations of P?T diagrams of Ni and Al using molecular dynamics simulation. Materials Letters, 2003, 57, 4336-4343.	1.3	13
8	Thermoelastic transition kinetics of a gamma irradiated CuZnAl shape memory alloy. Metals and Materials International, 2012, 18, 909-916.	1.8	13
9	Thermal and microstructural investigation of Cuâ€“Alâ€“Mnâ€“Mg shape memory alloys. Applied Physics A: Materials Science and Processing, 2014, 117, 767-771.	1.1	13
10	Pressure effect on intermediate structures during transition from amorphous to crystalline states of copper. Computational Materials Science, 2007, 40, 179-185.	1.4	12
11	Temperature and pressure dependence of the some elastic and lattice dynamical properties of copper: a molecular dynamics study. Physica B: Condensed Matter, 2006, 381, 96-102.	1.3	10
12	A molecular dynamics study on intermediate structures during transition from amorphous to crystalline state. Molecular Simulation, 2006, 32, 443-449.	0.9	9
13	Effects of Gd addition on the thermal and microstructural behaviors of the as-cast Cuâ€“9Â%Al and Cuâ€“9Â%Alâ€“10Â%Mn alloys. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	8
14	The investigation of solidâ€“solid phase transformation at CuAlNi alloy using molecular dynamics simulation. Journal of Physics and Chemistry of Solids, 2013, 74, 1836-1841.	1.9	6
15	Oxidation behaviour and kinetic properties of shape memory CuAlxNi4 (x=13.0 and 13.5) alloys. Thermochimica Acta, 2004, 414, 79-84.	1.2	5
16	Thermal and pressure-induced martensitic phase transformations in a Niâ€“Al alloy modelled by Suttonâ€“Chen embedded atom method. Molecular Simulation, 2008, 34, 251-257.	0.9	4
17	Investigating the crystallization process of a ternary alloy system with a new nano-cluster analysis by using molecular dynamics method. Solid State Sciences, 2011, 13, 959-965.	1.5	4
18	A molecular dynamics study to investigate the local atomic arrangements during martensitic phase transformations. Molecular Simulation, 2011, 37, 421-429.	0.9	4

#	Article	IF	Citations
19	Development of a Low Noise and Low Energy Consumption Alpha Spectroscopy Amplifier for ²²²Rn Gas Detection. Acta Physica Polonica A, 2017, 132, 789-791.	0.2	4
20	Strain effects on the macroscopic behaviour and martensite morphology in shape-memory CuZnAl alloys. Journal of Materials Processing Technology, 2000, 101, 245-249.	3.1	3
21	Pressure effect on phonon frequencies in some transition metals: A molecular dynamics study. Physica B: Condensed Matter, 2005, 365, 185-192.	1.3	3
22	The calculation of some thermoelastic properties and pressureâ€“temperature (Pâ€“T) diagrams of Rh and Sr using molecular dynamics simulation. Journal of Physics Condensed Matter, 2007, 19, 326204.	0.7	3
23	A molecular dynamics study on iridium. Open Physics, 2007, 5, .	0.8	3
24	The effect of pressure on the elastic constants of Cu, Ag and Au: a molecular dynamics study. Open Physics, 2006, 4, .	0.8	2
25	Investigation of grain formation mechanism in CuAl shape memory alloy by molecular dynamic simulation. AIP Conference Proceedings, 2018, , .	0.3	2