Abdessamad Hassani

List of Publications by Year in Descending Order

23 papers	132 citations	8 h-index	10 g-index
23 ext. papers	161 ext. citations	2.1 avg, IF	2.98 L-index

#	Paper	IF	Citations
23	Elastic and structural properties of Mg25Al75 binary metallic glass under different cooling conditions. *Journal of Alloys and Compounds*, **2022**, 891, 161979	5.7	2
22	Shape transition and coalescence of Au islands on Ag (110) by molecular dynamics simulation. *Journal of Molecular Modeling*, **2021**, 27, 120	2	
21	Tuning of mechanical properties of Tantalum-based metallic glasses. *International Journal of Mechanical Sciences*, **2021**, 204, 106546	5.5	6
20	First Au monolayer formation on Cu(110) surface. *IOP Conference Series: Materials Science and Engineering*, **2020**, 948, 012026	0.4	
19	Structural and mechanical behaviors of Mg-Al metallic glasses investigated by molecular dynamics simulations. *Computational Materials Science*, **2020**, 184, 109895	3.2	9
18	Investigating the potentialities of Ni3Al alloy formation on Ni substrates: Molecular dynamics simulation. *Journal of Crystal Growth*, **2020**, 537, 125607	1.6	5
17	NiAl thin film growth on Ni(001) substrate using molecular dynamics simulations. *EPJ Applied Physics*, **2020**, 91, 30301	1.1	2
16	Structure, stability, and surface diffusion of clusters: Pt4/Cu (110) AND Au4/Ag (110) surface by molecular dynamics. *EPJ Applied Physics*, **2020**, 91, 31302	1.1	2
15	Molecular-Dynamics Study Of Self-Diffusion: Of The Au4;Au4/Ag(110) System. *IOP Conference Series: Materials Science and Engineering*, **2020**, 948, 012011	0.4	
14	Kinetic Monte Carlo simulations of coverage effect on Ag and Au monolayers growth on Cu (1 1 0). *Journal of Crystal Growth*, **2019**, 522, 139-150	1.6	4
13	Silver monolayer formation on Cu(110) by kinetic Monte Carlo method. *European Physical Journal Plus*, **2019**, 134, 1	3.1	3
12	Structural and magnetic properties of iron nanoparticles: insights from Monte-Carlo and molecular-statics simulations. *Materials Research Express*, **2019**, 6, 095097	1.7	9
11	Anisotropy diffusion in monolayer growth of Au on Cu (110) by kinetic Monte Carlo method. *Molecular Crystals and Liquid Crystals*, **2019**, 693, 39-48	0.5	0
10	Molecular dynamics simulation of surface morphology during homoepitaxial growth of Copper. *EPJ Applied Physics*, **2019**, 87, 31301	1.1	3
9	Statistical investigations of the film-substrate interface during aluminum deposition on Ni(111) by molecular dynamics simulation. *Superlattices and Microstructures*, **2019**, 127, 80-85	2.8	8
8	Investigation of fcc and hcp island nucleated during homoepitaxial growth of copper by molecular dynamics simulation. *Superlattices and Microstructures*, **2019**, 127, 118-122	2.8	9
7	Investigating local atomic structural order inTiAl3metallic glass using molecular dynamic simulation. *Computational Condensed Matter*, **2018**, 14, 74-83	1.7	4

6	Structure Stability and Diffusion Mechanism of Au Tetramers on Ag (110) Surface. *Sensor Letters*, **2018**, 16, 386-390	0.9	4
5	Kinetic Monte Carlo Simulation of Au Monolayer Evolution on Cu(110). *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1800404	1.3	8
4	Incidence energy effect and impact assessment during homoepitaxial growth of nickel on (001), (111) and (110) surfaces. *Thin Solid Films*, **2017**, 640, 123-133	2.2	16
3	THE INFLUENCE OF THE SURFACE ORIENTATION ON THE MORPHOLOGY DURING HOMOEPITAXIAL GROWTH OF NICKEL BY MOLECULAR DYNAMICS SIMULATION. *Surface Review and Letters*, **2017**, 24, 1750019	1.1	13
2	Schrdinger Poisson system with potential of critical growth. *Asian-European Journal of Mathematics*, **2016**, 09, 1650086	0.4	
1	Molecular dynamics study of growth and interface structure during aluminum deposition on Ni(1 0 0) substrate. *Applied Surface Science*, **2015**, 349, 785-791	6.7	25