# Abdessamad Hassani

List of Publications by Year
in descending order



| 23 | 199 | 1039406 9 | 1125271 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 76 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 3.1 | 32 |
| 2 | Incidence energy effect and impact assessment during homoepitaxial growth of nickel on (001), (111) and (110) surfaces. Thin Solid Films, 2017, 640, 123-133. | 0.8 | 23 |
| 3 | Structural and mechanical behaviors of Mg-Al metallic glasses investigated by molecular dynamics simulations. Computational Materials Science, 2020, 184, 109895. | 1.4 | 19 |
| 4 | 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. | 0.5 | 17 |
| 5 | Tuning of mechanical properties of Tantalum-based metallic glasses. International Journal of Mechanical Sciences, 2021, 204, 106546. | 3.6 | 13 |
| 6 | Elastic and structural properties of Mg25Al75 binary metallic glass under different cooling conditions. Journal of Alloys and Compounds, 2022, 891, 161979. | 2.8 | 13 |
| 7 | Investigation of fcc and hcp island nucleated during homoepitaxial growth of copper by molecular dynamics simulation. Superlattices and Microstructures, 2019, 127, 118-122. | 1.4 | 12 |
| 8 | Structural and magnetic properties of iron nanoparticles: insights from Monte-Carlo and molecular-statics simulations. Materials Research Express, 2019, 6, 095097. | 0.8 | 11 |
| 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. | 1.4 | 11 |
| 10 | Investigating the potentialities of Ni3Al alloy formation on Ni substrates: Molecular dynamics simulation. Journal of Crystal Growth, 2020, 537, 125607. | 0.7 | 9 |
| 11 | Investigating local atomic structural order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiAl</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:mrow> glass using molecular dynamic simulation. Computational Condensed Matter, 2018, 14, 74-83. | 0.9 | 8 |
| 12 | Kinetic Monte Carlo Simulation of Au Monolayer Evolution on Cu(110). Physica Status Solidi (B): Basic Research, 2018, 255, 1800404. | 0.7 | 8 |
| 13 | Kinetic Monte Carlo simulations of coverage effect on Ag and Au monolayers growth on Cu (1â€¯1â€¯0). Journal of Crystal Growth, 2019, 522, 139-150. | 0.7 | 5 |
| 14 | Structure Stability and Diffusion Mechanism of Au Tetramers on Ag (110) Surface. Sensor Letters, 2018, 16, 386-390. | 0.4 | 4 |
| 15 | Silver monolayer formation on Cu(110) by kinetic Monte Carlo method. European Physical Journal Plus, 2019, 134, 1. | 1.2 | 3 |
| 16 | Molecular dynamics simulation of surface morphology during homoepitaxial growth of Copper. EPJ Applied Physics, 2019, 87, 31301. | 0.3 | 3 |
| 17 | Anisotropy diffusion in monolayer growth of Au on Cu (110) by kinetic Monte Carlo method. Molecular Crystals and Liquid Crystals, 2019, 693, 39-48. | 0.4 | 2 |
| 18 | Structure, stability, and surface diffusion of clusters: Pt4/Cu (110) AND Au4/Ag (110) surface by molecular dynamics. EPJ Applied Physics, 2020, 91, 31302. | 0.3 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Molecular-Dynamics Study Of Self-Diffusion: Of The Au4;Au4/Ag(110) System. IOP Conference Series: Materials Science and Engineering, 2020, 948, 012011. | 0.3 | 2 |
| 20 | NiAl thin film growth on Ni(001) substrate using molecular dynamics simulations. EPJ Applied Physics, 2020, 91, 30301. | 0.3 | 2 |
| 21 | SchrÃ¶dingerâ€“Poisson system with potential of critical growth. Asian-European Journal of Mathematics, 2016, 09, 1650086. | 0.2 | 0 |
| 22 | First Au monolayer formation on Cu(110) surface. IOP Conference Series: Materials Science and Engineering, 2020, 948, 012026. | 0.3 | 0 |
| 23 | Shape transition and coalescence of Au islands on Ag (110) by molecular dynamics simulation. Journal of Molecular Modeling, 2021, 27, 120. | 0.8 | 0 |