

Gabor L Katona

List of Publications by Year in descending order

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43
all docs

43
docs citations

43
times ranked

238
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Grain boundary diffusion induced reaction layer formation in Fe/Pt thin films. Applied Physics A: Materials Science and Processing, 2014, 115, 203-211. | 2.3 | 24 |
| 20 | Influence of intermediate Ag layer on the structure and magnetic properties of Pt/Ag/Fe thin films. Vacuum, 2014, 101, 33-37. | 3.5 | 15 |
| 21 | Production of NiSi phase by grain boundary diffusion induced solid state reaction between Ni ₂ Si and Si(1 0 0) substrate. Applied Surface Science, 2014, 320, 627-633. | 6.1 | 11 |
| 22 | Trapping Effect on the Kinetic Critical Radius in Nucleation and Growth Processes. Materials Science Forum, 2014, 790-791, 97-102. | 0.3 | 0 |
| 23 | Structural and magnetic properties of annealed FePt/Ag/FePt thin films. Applied Surface Science, 2013, 266, 100-104. | 6.1 | 31 |
| 24 | Kinetic pathways of diffusion and solid-state reactions in nanostructured thin films. Philosophical Magazine, 2013, 93, 1960-1970. | 1.6 | 23 |
| 25 | Evolution of concentration profiles in Pd-Cu systems studied by SNMS technique. Vacuum, 2013, 98, 70-74. | 3.5 | 12 |
| 26 | Linear-parabolic shift of initially sharp interface in AB diffusion couple above the ordering temperature. Philosophical Magazine Letters, 2012, 92, 478-486. | 1.2 | 1 |
| 27 | Nanoscale investigations of shift of individual interfaces in temperature induced processes of Ni-Si system by secondary neutral mass spectrometry. Applied Physics Letters, 2010, 97, . | 3.3 | 17 |
| 28 | Non Parabolic Shift of Interfaces and Effect of Diffusion Asymmetry on Nanoscale Solid State Reactions. Journal of Nano Research, 2009, 7, 43-49. | 0.8 | 4 |
| 29 | Analysis of Co/Cu multilayers by SNMS reverse depth profiling. Vacuum, 2009, 84, 141-143. | 3.5 | 5 |
| 30 | Investigations of failure mechanisms at Ta and TaO diffusion barriers by secondary neutral mass spectrometry. Vacuum, 2009, 84, 130-133. | 3.5 | 15 |
| 31 | Linear growth kinetics of nanometric silicides in Co/amorphous-Si and Co/CoSi/amorphous-Si thin films. Journal of Applied Physics, 2008, 104, . | 2.5 | 23 |
| 32 | Depth profile analysis of electrodeposited nanoscale multilayers by SNMS. Vacuum, 2007, 82, 270-273. | 3.5 | 14 |
| 33 | Electrodeposition of Ni-Co-Cu/Cu multilayers. Electrochimica Acta, 2007, 53, 837-845. | 5.2 | 30 |
| 34 | Diffusion on the nanometer scale. Vacuum, 2005, 80, 87-91. | 3.5 | 5 |
| 35 | Non-Linear Effects in Diffusion on Nanoscale. Defect and Diffusion Forum, 2005, 237-240, 1031-1042. | 0.4 | 0 |
| 36 | Non-Parabolic Shift of Phase Boundaries on Nanoscale in Binary Systems with Restricted Solubility: Theory and Experiment. Defect and Diffusion Forum, 2005, 237-240, 1216-1221. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 'Surfactant-Like Dissolution' of a Thin Deposit for Composition Dependent Diffusion Coefficient. Defect and Diffusion Forum, 2005, 237-240, 537-542. | 0.4 | 0 |
| 38 | Experimental evidence for a nonparabolic nanoscale interface shift during the dissolution of Ni into bulk Au(111). Physical Review B, 2005, 71, . | 3.2 | 35 |
| 39 | Effects of Gradient Energy and Stress Terms in Diffusional Intermixing of Multilayers. Defect and Diffusion Forum, 2003, 216-217, 1-12. | 0.4 | 2 |
| 40 | Formation and Stability of Metastable Pd(Zr) Solid Solution Developed during Ball Milling and/or Heat Treatment of Pd ₃ Zr. Materials Science Forum, 2002, 386-388, 193-198. | 0.3 | 0 |
| 41 | Thin Film Dissolution into Semi-Infinite Substrates: Surprising Interface Kinetics and Dissolution Modes. Defect and Diffusion Forum, 0, 289-292, 573-585. | 0.4 | 0 |
| 42 | Anomalous Kinetics and Regimes of Growth of Intermetallic Phases during Solid State Reactions in Nanosystems. , 0, 2, 107-139. | | 3 |