

Sondan Durukanoglu

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

346
citations

11
h-index

18
g-index

21
ext. papers

378
ext. citations

2.8
avg, IF

3.15
L-index

#	Paper	IF	Citations
19	Growth and shape stability of Cu-Ni core-shell nanoparticles: an atomistic perspective. <i>Chemical Communications</i> , 2018 , 54, 13583-13586	5.8	3
18	Shape-controlled growth of metal nanoparticles: an atomistic view. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1876-85	3.6	10
17	An optimized interatomic potential for Cu-Ni alloys with the embedded-atom method. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 035404	1.8	33
16	The role of vibrations in thermodynamic properties of Cu-Ni alloys. <i>European Physical Journal B</i> , 2014 , 87, 1	1.2	6
15	Strain-induced structural transformation of a silver nanowire. <i>Nanotechnology</i> , 2012 , 23, 245707	3.4	5
14	Vibrational properties of Cu nanowires. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 2945-2950	3.3	1
13	Energetics and atomic relaxations of Cu nanowires: the effect of local strain and cross-sectional area. <i>Nanotechnology</i> , 2009 , 20, 075707	3.4	4
12	A Parallel Implementation: Real Space Green's Function Technique. <i>International Journal of High Performance Computing Applications</i> , 2007 , 21, 66-74	1.8	
11	Calculated pre-exponential factors and energetics for adatom hopping on terraces and steps of Cu(1 0 0) and Cu(1 1 0). <i>Surface Science</i> , 2006 , 600, 484-492	1.8	41
10	Effect of step-step separation on surface diffusion processes. <i>Physical Review B</i> , 2006 , 73,	3.3	17
9	The role of lattice vibrations in adatom diffusion at metal stepped surfaces. <i>Surface Science</i> , 2005 , 587, 128-133	1.8	6
8	Structural relaxations of Cu vicinals. <i>Surface Science</i> , 2004 , 557, 190-200	1.8	14
7	Structural relaxations, vibrational dynamics and thermodynamics of vicinal surfaces. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S3197-S3226	1.8	24
6	Local and excess vibrational free energies of stepped metal surfaces. <i>Physical Review B</i> , 2003 , 67,	3.3	20
5	Structure of Ag(410) and Cu(320). <i>Physical Review B</i> , 2003 , 67,	3.3	21
4	Atomic relaxations and thermodynamics on Cu(410). <i>Surface Science</i> , 1998 , 409, 395-402	1.8	22
3	Vibrational dynamics and thermodynamics of Ni(977). <i>Journal of Chemical Physics</i> , 1997 , 106, 2031-2037	3.9	33

- 2 Local structural and vibrational properties of stepped surfaces: Cu(211), Cu(511), and Cu(331).
Physical Review B, **1997**, 55, 13894-13903 3-3 55
- 1 Local thermodynamic properties of a stepped metal surface: Cu(711). *Physical Review B*, **1996**, 53, 15489-15492, 15493-15495