

See-Chen Ying

List of Publications by Year in descending order

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32
papers

469
citations

759233

12
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Single skyrmion true random number generator using local dynamics and interaction between skyrmions. Nature Communications, 2022, 13, 722.	12.8	14
2	Dynamic scaling of out-of-plane fluctuations in freestanding graphene. Physical Review B, 2022, 105, .	3.2	4
3	Spin-orbit torque switching of chiral magnetization across a synthetic antiferromagnet. Communications Physics, 2021, 4, .	5.3	23
4	Modeling buckling and topological defects in stacked two-dimensional layers of graphene and hexagonal boron nitride. Physical Review Materials, 2021, 5, .	2.4	9
5	Manipulation of the interlayer exchange coupling in perpendicular magnetized thin films via tunable magnetic-layer and spacer thicknesses. Physical Review B, 2020, 102, .	3.2	8
6	Spin torque effect on topological defects and transitions of magnetic domain phases in Ta/CoFeB/MgO. Physical Review B, 2019, 99, .	3.2	12
7	Striped, honeycomb, and twisted moiré patterns in surface adsorption systems with highly degenerate commensurate ground states. Physical Review B, 2017, 96, .	3.2	6
8	Mass transport of adsorbates near a discontinuous structural phase transition. Physical Review B, 2016, 94, .	3.2	0
9	Consistent Hydrodynamics for Phase Field Crystals. Physical Review Letters, 2016, 116, 024303.	7.8	41
10	Evolution of Non-equilibrium Profile in Adsorbate Layer Under Compressive Strain. Tribology Letters, 2012, 48, 83-88.	2.6	4
11	Non-Monotonic Velocity Dependence of Atomic Friction. Tribology Letters, 2010, 39, 229-233.	2.6	9
12	Equilibrium shape and size of supported heteroepitaxial nanoislands. European Physical Journal B, 2008, 66, 175-183.	1.5	3
13	Equilibrium shape and dislocation nucleation in strained epitaxial nanoislands. Physical Review B, 2005, 72, .	3.2	9
14	Searching for transition paths in multidimensional space with a fixed repulsive bias potential. Physical Review B, 2004, 69, .	3.2	13
15	Vibrational states of a H monolayer on the Pt(111) surface. Physical Review B, 2003, 68, .	3.2	58
16	Step effects on diffusion near a substrate reconstructive phase transition: H on $\text{W}(100)$. Physical Review B, 2003, 68, .	3.2	4
17	Energetics and atomic mechanisms of dislocation nucleation in strained epitaxial layers. Physical Review B, 2003, 68, .	3.2	16
18	Minimum energy paths for dislocation nucleation in strained epitaxial layers. Physical Review B, 2002, 65, .	3.2	15

#	ARTICLE	IF	CITATIONS
19	Nonexponential decay of velocity correlations in surface diffusion: The role of interactions and ordering. <i>Journal of Chemical Physics</i> , 2000, 113, 10284-10292.	3.0	9
20	Dynamics of chainlike molecules on surfaces. <i>Physical Review E</i> , 1998, 57, 1864-1872.	2.1	25
21	Determination of the Na/Cu(001) Potential Energy Surface from Helium Scattering Studies of the Surface Dynamics. <i>Physical Review Letters</i> , 1997, 78, 3900-3903.	7.8	61
22	Non-Arrhenius Behavior of Surface Diffusion near a Phase Transition Boundary. <i>Physical Review Letters</i> , 1997, 79, 257-260.	7.8	42
23	SHOT NOISE SUPPRESSION IN QUANTUM POINT CONTACT STRUCTURES. <i>Modern Physics Letters B</i> , 1995, 09, 573-583.	1.9	4
24	DIFFUSION OF LIGHT ADATOMS ON SOLID SURFACES. <i>Modern Physics Letters B</i> , 1995, 09, 307-318.	1.9	1
25	DIFFUSIVE AND FRUSTRATED TRANSLATIONAL MODES OF ADATOM DYNAMICS. <i>Modern Physics Letters B</i> , 1994, 08, 843-857.	1.9	0
26	ANOMALOUS DIFFUSION NEAR STRUCTURAL PHASE TRANSITIONS. <i>Modern Physics Letters B</i> , 1992, 06, 1099-1103.	1.9	2
27	Phase transformations of the H/W(110) and H/Mo(110) surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1987, 5, 1045-1048.	2.1	55
28	Summary Abstract: Model for the surface reconstruction phase transition of clean and hydrogen adsorbed W(001) surface and approximate solution. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1984, 2, 894-895.	2.1	7
29	Summary Abstract: Surface spin susceptibility of vanadium. <i>Journal of Vacuum Science and Technology</i> , 1981, 18, 646-647.	1.9	0
30	Summary Abstract: Effect of substrate distortion on the ordered phases of chemisorption systems. <i>Journal of Vacuum Science and Technology</i> , 1981, 18, 500-501.	1.9	2
31	Hydrodynamic response of inhomogeneous metallic systems. , 1974, 23, 270.		1
32	Quantum Theory of Desorption of Adatoms from Solid Surfaces. <i>Journal of Vacuum Science and Technology</i> , 1972, 9, 804-807.	1.9	12