

Thomas Michely

List of Publications by Year in descending order

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30
papers

2,708
citations

331670

21
h-index

477307

29
g-index

30
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docs citations

30
times ranked

2705
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-limited high-density nanopore formation in two-dimensional moiré materials. <i>Physical Review B</i> , 2022, 105, .	3.2	0
2	Segregation-Enhanced Epitaxy of Borophene on Ir(111) by Thermal Decomposition of Borazine. <i>ACS Nano</i> , 2021, 15, 7421-7429.	14.6	32
3	Hydrogen Solubility and Atomic Structure of Graphene Supported Pd Nanoclusters. <i>ACS Nano</i> , 2021, 15, 15771-15780.	14.6	9
4	Cluster Superlattice Membranes. <i>ACS Nano</i> , 2020, 14, 13629-13637.	14.6	6
5	Temperature-Controlled Rotational Epitaxy of Graphene. <i>Nano Letters</i> , 2019, 19, 4594-4600.	9.1	19
6	Suppression of wrinkle formation in graphene on Ir(111) by high-temperature, low-energy ion irradiation. <i>Nanotechnology</i> , 2019, 30, 085304.	2.6	4
7	A Monolayer of Hexagonal Boron Nitride on Ir(111) as a Template for Cluster Superlattices. <i>ACS Nano</i> , 2018, 12, 6871-6880.	14.6	31
8	Blister-free ion beam patterning of supported graphene. <i>Nanotechnology</i> , 2017, 28, 055304.	2.6	5
9	Annealing of ion-irradiated hexagonal boron nitride on Ir(111). <i>Physical Review B</i> , 2017, 96, .	3.2	17
10	Amorphous to crystalline phase transition: Onset of pattern formation during ion erosion of Si(001). <i>Physical Review B</i> , 2016, 93, .	3.2	5
11	Structure and Growth of Hexagonal Boron Nitride on Ir(111). <i>ACS Nano</i> , 2016, 10, 11012-11026.	14.6	93
12	Xe irradiation of graphene on Ir(111): From trapping to blistering. <i>Physical Review B</i> , 2015, 92, .	3.2	32
13	Silicide induced ion beam patterning of Si(001). <i>Nanotechnology</i> , 2014, 25, 115303.	2.6	40
14	Evolution of ion beam induced patterns on Si(001). <i>Physical Review B</i> , 2014, 89, .	3.2	52
15	Ion Impacts on Graphene/Ir(111): Interface Channeling, Vacancy Funnel, and a Nanomesh. <i>Nano Letters</i> , 2013, 13, 1948-1955.	9.1	81
16	Phenomenology of iron-assisted ion beam pattern formation on Si(001). <i>New Journal of Physics</i> , 2011, 13, 073017.	2.9	60
17	Is keV ion-induced pattern formation on Si(001) caused by metal impurities?. <i>Nanotechnology</i> , 2010, 21, 085301.	2.6	116
18	Rapid Coarsening of Ion Beam Ripple Patterns by Defect Annihilation. <i>Physical Review Letters</i> , 2009, 102, 146103.	7.8	14

#	ARTICLE	IF	CITATIONS
19	Growth of graphene on Ir(111). <i>New Journal of Physics</i> , 2009, 11, 039801.	2.9	309
20	Growth of graphene on Ir(111). <i>New Journal of Physics</i> , 2009, 11, 023006.	2.9	249
21	Step-edge sputtering through grazing incidence ions investigated by scanning tunneling microscopy and molecular dynamics simulations. <i>Physical Review B</i> , 2008, 77, .	3.2	26
22	Two-Dimensional Ir Cluster Lattice on a Graphene Moiré on Ir(111). <i>Physical Review Letters</i> , 2006, 97, 215501.	7.8	533
23	Mechanisms of pattern formation in grazing-incidence ion bombardment of Pt(111). <i>Physical Review B</i> , 2006, 73, .	3.2	47
24	Islands, Mounds and Atoms. <i>Springer Series in Surface Sciences</i> , 2004, , .	0.3	318
25	Temperature dependent morphological evolution of Pt(111) by ion erosion: destabilization, phase coexistence and coarsening. <i>Surface Science</i> , 2001, 486, 103-135.	1.9	58
26	Step Edge Diffusion and Step Atom Detachment in Surface Evolution: Ion Erosion of Pt(111). <i>Physical Review Letters</i> , 2001, 86, 2589-2592.	7.8	40
27	Island nucleation in the presence of step-edge barriers: Theory and applications. <i>Physical Review B</i> , 2000, 61, 14037-14046.	3.2	151
28	Morphological effects induced by the formation of a Pt-adatom lattice gas on Pt(111). <i>Surface Science</i> , 1992, 272, 204-210.	1.9	68
29	Temperature dependence of the sputtering morphology of Pt(111). <i>Surface Science</i> , 1991, 256, 217-226.	1.9	203
30	Generation and nucleation of adatoms during ion bombardment of Pt(111). <i>Physical Review B</i> , 1991, 44, 8411-8414.	3.2	90