

Dwaipayan Dasgupta

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

259
citations

1040056

9
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Hole formation effect on surface morphological response of plasma-facing tungsten. Journal of Applied Physics, 2021, 129, 193302.	2.5	6
2	Effects of elastic softening and helium accumulation kinetics on surface morphological evolution of plasma-facing tungsten. Nuclear Fusion, 2021, 61, 016016.	3.5	11
3	Onset of fuzz formation in plasma-facing tungsten as a surface morphological instability. Physical Review Materials, 2021, 5, .	2.4	6
4	Thermal gradient effect on helium and self-interstitial transport in tungsten. Journal of Applied Physics, 2021, 130, .	2.5	2
5	Prediction of temperature range for the onset of fuzz formation in helium-plasma-implanted tungsten. Surface Science, 2020, 698, 121614.	1.9	17
6	On the origin of "fuzz" formation in plasma-facing materials. Nuclear Fusion, 2019, 59, 086057.	3.5	56
7	Analysis of current-driven oscillatory dynamics of single-layer homoepitaxial islands on crystalline conducting substrates. Surface Science, 2018, 669, 25-33.	1.9	12
8	Complex Pattern Formation from Current-Driven Dynamics of Single-Layer Homoepitaxial Islands on Crystalline Conducting Substrates. Physical Review Applied, 2017, 8, .	3.8	9
9	Current-driven nanowire formation on surfaces of crystalline conducting substrates. Applied Physics Letters, 2016, 108, 193109.	3.3	15
10	Surface nanopattern formation due to current-induced homoepitaxial nanowire edge instability. Applied Physics Letters, 2016, 109, .	3.3	6
11	Weakly nonlinear theory of secondary rippling instability in surfaces of stressed solids. Journal of Applied Physics, 2015, 118, .	2.5	10
12	Stabilization of the surface morphology of stressed solids using thermal gradients. Applied Physics Letters, 2014, 104, .	3.3	9
13	Stabilization of the surface morphology of stressed solids using simultaneously applied electric fields and thermal gradients. Journal of Applied Physics, 2014, 116, .	2.5	5
14	Current-driven morphological evolution of single-layer epitaxial islands on crystalline substrates. Surface Science, 2013, 618, L1-L5.	1.9	13
15	The effect of a thermal gradient on the electromigration-driven surface morphological stabilization of an epitaxial thin film on a compliant substrate. Journal of Applied Physics, 2013, 114, 023503.	2.5	4
16	Surface nanopatterning from current-driven assembly of single-layer epitaxial islands. Applied Physics Letters, 2013, 103, .	3.3	14
17	Surface morphological stabilization of stressed crystalline solids by simultaneous action of applied electric and thermal fields. Applied Physics Letters, 2012, 100, .	3.3	10
18	Electromigration-driven complex dynamics of void surfaces in stressed metallic thin films under a general biaxial mechanical loading. Journal of Applied Physics, 2012, 112, 083523.	2.5	1

#	ARTICLE	IF	CITATIONS
19	NMPC of a Continuous Fermenter Using Wiener-Hammerstein Model Developed from Irregularly Sampled Multi-rate Data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 637-642.	0.4	7
20	Dynamic simulation of activated sludge based wastewater treatment processes: Case studies with Titagarh Sewage Treatment Plant, India. Desalination, 2010, 252, 120-126.	8.2	15
21	Dynamic simulation of secondary treatment processes using trickling filters in a sewage treatment works in Howrah, west Bengal, India. Desalination, 2010, 253, 135-140.	8.2	31