

Rajesh Sathiyandarayanan

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

124
citations

1478505

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1372567

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11
docs citations

11
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Stoichiometry tuning of TaN films through ion treatment: Molecular dynamics study. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	2.1	1
2	Impact of oxygen plasma on nitrided and annealed atomic layer deposited SiO ₂ /high-k/metal gate for high-voltage input and output fin-shaped field effect transistor devices. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2017, 35, 012202.	1.2	0
3	Nitrogen diffusion in hafnia and the impact of nitridation on oxygen and hydrogen diffusion: A first-principles study. Journal of Applied Physics, 2015, 117, 034303.	2.5	4
4	Role of point defects and HfO ₂ /TiN interface stoichiometry on effective work function modulation in ultra-scaled complementary metal-oxide-semiconductor devices. Journal of Applied Physics, 2013, 114, .	2.5	21
5	Dielectric properties of Si ₃ Ge ₃ N ₄ and Si ₃ C ₃ N ₄ : A density functional study. Journal of Applied Physics, 2013, 113, 234102.	2.5	6
6	Role of Solvent in the Shape-Controlled Synthesis of Anisotropic Colloidal Nanostructures. Journal of Physical Chemistry C, 2011, 115, 18983-18990.	3.1	36
7	Role of codeposited impurities during growth. I. Explaining distinctive experimental morphology on Cu(0 0 1). Physical Review B, 2011, 83, .	3.2	14
8	Role of codeposited impurities during growth. II. Dependence of morphology on binding and barrier energies. Physical Review B, 2011, 83, .	3.2	14
9	Terrace-width distributions of touching steps: Modification of the fermion analogy with implications for measuring step-step interactions. Physical Review B, 2009, 80, .	3.2	5
10	Ab-initio calculations of interactions between Cu adatoms on Cu(110): Sensitivity of strong multi-site interactions to adatom relaxations. Surface Science, 2009, 603, 2387-2392.	1.9	12
11	Sensitivity of short-range trio interactions to lateral relaxation of adatoms: Challenges for detailed lattice-gas modeling. Surface Science, 2008, 602, 1243-1249.	1.9	11