

# Kedarnath Kolluri

## List of Publications by Year in descending order

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10  
papers

251  
citations

1307594

7  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulations of cesium adsorption on illite nanoparticles. Journal of Colloid and Interface Science, 2017, 490, 608-620.	9.4	115
2	Direct Exchange Mechanism for Interlayer Ions in Non-Swelling Clays. Environmental Science & Technology, 2017, 51, 393-400.	10.0	33
3	Molecular-dynamics simulations of stacking-fault-induced dislocation annihilation in prestrained ultrathin single-crystalline copper films. Journal of Applied Physics, 2009, 105, .	2.5	26
4	Atomic-scale analysis of defect dynamics and strain relaxation mechanisms in biaxially strained ultrathin films of face-centered cubic metals. Journal of Applied Physics, 2008, 103, .	2.5	21
5	Molecular dynamics simulations of martensitic fcc-to-hcp phase transformations in strained ultrathin metallic films. Physical Review B, 2008, 78, .	3.2	19
6	Void nucleation in biaxially strained ultrathin films of face-centered cubic metals. Applied Physics Letters, 2007, 90, 221907.	3.3	12
7	Comparative study of the mechanical behavior under biaxial strain of prestrained face-centered cubic metallic ultrathin films. Applied Physics Letters, 2009, 94, 101911.	3.3	12
8	Strain Relaxation in Si <sub>1-x</sub> Gex Thin Films on Si (100) Substrates: Modeling and Comparisons with Experiments. Materials Research Society Symposia Proceedings, 2005, 875, 1.	0.1	6
9	Kinetics of strain relaxation in Si <sub>1-x</sub> Gex thin films on Si(100) substrates: Modeling and comparison with experiments. Applied Physics Letters, 2006, 88, 021904.	3.3	5
10	Atomistic analysis of strain relaxation in [110̄]-oriented biaxially strained ultrathin copper films. Journal of Applied Physics, 2009, 106, 103519.	2.5	2