

Tapan Desai

List of Publications by Year in descending order

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10
papers

471
citations

1040056

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1372567

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g-index

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docs citations

10
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Chemical Kinetics Models from Atomistic Reactive Molecular Dynamics Simulations: Application to Iso-octane Combustion and Rubber Ablative Degradation. <i>Journal of Physical Chemistry A</i> , 2022, , .	2.5	2
2	Generation of amorphous carbon models using liquid quench method: A reactive molecular dynamics study. <i>Carbon</i> , 2017, 113, 87-99.	10.3	74
3	Modeling high-temperature diffusion of gases in micro and mesoporous amorphous carbon. <i>Journal of Chemical Physics</i> , 2015, 143, 084701.	3.0	9
4	Passivation of Aluminum Nanoparticles by Plasma-Enhanced Chemical Vapor Deposition for Energetic Nanomaterials. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7942-7947.	8.0	58
5	Controlled manipulation of wetting characteristics of nanoparticles with dry-based plasma polymerization method. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	15
6	Grain-boundary source/sink behavior for point defects: An atomistic simulation study. <i>International Journal of Materials Research</i> , 2009, 100, 550-555.	0.3	28
7	Atomistic simulations of diffusional creep in a nanocrystalline body-centered cubic material. <i>Acta Materialia</i> , 2008, 56, 3688-3698.	7.9	52
8	Time scale for point-defect equilibration in nanostructures. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	16
9	Phase-field simulation of thermal conductivity in porous polycrystalline microstructures. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	45
10	Molecular dynamics simulations of polymer transport in nanocomposites. <i>Journal of Chemical Physics</i> , 2005, 122, 134910.	3.0	172