

Yuye Tang

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

473
citations

1163117
8
h-index

1474206
9
g-index

9
all docs

9
docs citations

9
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Brittle-to-Ductile Transition in Uniaxial Compression of Silicon Pillars at Room Temperature. <i>Advanced Functional Materials</i> , 2009, 19, 2439-2444.	14.9	254
2	A Finite Element Framework for Studying the Mechanical Response of Macromolecules: Application to the Gating of the Mechanosensitive Channel MscL. <i>Biophysical Journal</i> , 2006, 91, 1248-1263.	0.5	73
3	Gating Mechanisms of Mechanosensitive Channels of Large Conductance, I: A Continuum Mechanics-Based Hierarchical Framework. <i>Biophysical Journal</i> , 2008, 95, 563-580.	0.5	44
4	On radial crack and half-penny crack induced by Vickers indentation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008, 464, 2967-2984.	2.1	33
5	Gating Mechanisms of Mechanosensitive Channels of Large Conductance, II: Systematic Study of Conformational Transitions. <i>Biophysical Journal</i> , 2008, 95, 581-596.	0.5	26
6	Mechanosensitive Channels: Insights from Continuum-Based Simulations. <i>Cell Biochemistry and Biophysics</i> , 2008, 52, 1-18.	1.8	14
7	Generalized Mathematical Homogenization of Atomistic Media at Finite Temperatures. <i>International Journal for Multiscale Computational Engineering</i> , 2005, 3, 393-413.	1.2	12
8	Numerical Simulation of Nanoindentation and Patch Clamp Experiments on Mechanosensitive Channels of Large Conductance in <i>Escherichia coli</i> . <i>Experimental Mechanics</i> , 2009, 49, 35-46.	2.0	11
9	Elastic Properties of Carbon Nanotubes in the Radial Direction. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2005, 219, 73-88.	0.1	6