Yuye Tang

List of Publications by Year
in descending order

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