Makoto Ashino

List of Publications by Year in descending order

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1684188 1474206 9 190 5 9 citations h-index g-index papers 9 9 9 216 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Atomic-Resolution Dynamic Force Microscopy and Spectroscopy of a Single-Walled Carbon Nanotube: Characterization of Interatomic van der Waals Forces. Physical Review Letters, 2004, 93, 136101.	7.8	83
2	Atomically resolved mechanical response of individual metallofullerene molecules confined inside carbon nanotubes. Nature Nanotechnology, 2008, 3, 337-341.	31.5	63
3	Revealing Subsurface Vibrational Modes by Atom-Resolved Damping Force Spectroscopy. Physical Review Letters, 2009, 102, 195503.	7.8	14
4	Atomic-resolution three-dimensional force and damping maps of carbon nanotube peapods. Nanotechnology, 2009, 20, 264001.	2.6	10
5	Attractive force-driven superhardening of graphene membranes as a pin-point breaking of continuum mechanics. Scientific Reports, 2017, 7, 46083.	3.3	6
6	Atomic-Resolution Dynamic Force Microscopy/Spectroscopy of Individual Single-Walled Carbon Nanotube. Japanese Journal of Applied Physics, 2006, 45, 2286-2289.	1.5	5
7	Atomic-Site-Specific Analysis on Out-of-Plane Elasticity of Convexly Curved Graphene and Its Relationship to	2.2	4
8	Anomalous Flexural Elasticities of Graphene Membranes Unveiled by Manipulating Topology. Physical Review Letters, 2021, 126, 146101.	7.8	3
9	Precise measurement of the configurational energy of bent graphene membranes via three-dimensional force field spectroscopy. Physical Review B, 2021, 104, .	3.2	2