

Makoto Ashino

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Anomalous Flexural Elasticities of Graphene Membranes Unveiled by Manipulating Topology. <i>Physical Review Letters</i> , 2021, 126, 146101.	7.8	3
2	Precise measurement of the configurational energy of bent graphene membranes via three-dimensional force field spectroscopy. <i>Physical Review B</i> , 2021, 104, .	3.2	2
3	Atomic-Site-Specific Analysis on Out-of-Plane Elasticity of Convexly Curved Graphene and Its Relationship to κ , ν , ρ , σ , τ , μ , λ , γ , β , α , ρ , σ , τ , μ , λ , γ , β , α . <i>Crystals</i> , 2018, 8, 102.	2.2	4
4	Attractive force-driven superhardening of graphene membranes as a pin-point breaking of continuum mechanics. <i>Scientific Reports</i> , 2017, 7, 46083.	3.3	6
5	Revealing Subsurface Vibrational Modes by Atom-Resolved Damping Force Spectroscopy. <i>Physical Review Letters</i> , 2009, 102, 195503.	7.8	14
6	Atomic-resolution three-dimensional force and damping maps of carbon nanotube peapods. <i>Nanotechnology</i> , 2009, 20, 264001.	2.6	10
7	Atomically resolved mechanical response of individual metallofullerene molecules confined inside carbon nanotubes. <i>Nature Nanotechnology</i> , 2008, 3, 337-341.	31.5	63
8	Atomic-Resolution Dynamic Force Microscopy/Spectroscopy of Individual Single-Walled Carbon Nanotube. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2286-2289.	1.5	5
9	Atomic-Resolution Dynamic Force Microscopy and Spectroscopy of a Single-Walled Carbon Nanotube: Characterization of Interatomic van der Waals Forces. <i>Physical Review Letters</i> , 2004, 93, 136101.	7.8	83