Taku Watanabe

List of Publications by Year
in descending order

13	1,942	687363 13	1058476 14
papers	citations	h-index	g-index

14	14	14	2618
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Cyclable Allâ€Solidâ€State Battery with Depositionâ€Type Lithium Metal Anode Based on Thin Carbon Black Layer. Advanced Energy and Sustainability Research, 2021, 2, 2100066.	5.8	23
2	High-energy long-cycling all-solid-state lithium metal batteries enabled by silverâ€“carbon composite anodes. Nature Energy, 2020, 5, 299-308.	39.5	932
3	Accelerating Applications of Metalâ€“Organic Frameworks for Gas Adsorption and Separation by Computational Screening of Materials. Langmuir, 2012, 28, 14114-14128.	3.5	202
4	Accurate Treatment of Electrostatics during Molecular Adsorption in Nanoporous Crystals without Assigning Point Charges to Framework Atoms. Journal of Physical Chemistry C, 2011, 115, 4824-4836.	3.1	106
5	Molecular chemisorption on open metal sites in Cu3(benzenetricarboxylate)2: A spatially periodic density functional theory study. Journal of Chemical Physics, 2010, 133, 094509.	3.0	87
6	Thermal transport in polyethylene and at polyethyleneâ€“diamond interfaces investigated using molecular dynamics simulation. Journal of Physics Condensed Matter, 2009, 21, 084219.	1.8	40
7	Thermal Transport in Offâ€Stoichiometric Uranium Dioxide by Atomic Level Simulation. Journal of the American Ceramic Society, 2009, 92, 850-856.	3.8	47
8	Energetics of intrinsic point defects in uranium dioxide from electronic-structure calculations. Journal of Nuclear Materials, 2009, 384, 61-69.	2.7	127
9	Computational identification of a metal organic framework for high selectivity membrane-based CO2/CH4 separations: Cu(hfipbb)(H2hfipbb)0.5. Physical Chemistry Chemical Physics, 2009, 11, 11389.	2.8	83
10	Toward an Atomistically Informed Fuel Performance Code: Thermal Properties Using FRAPCON and Molecular Dynamics Simulation. Nuclear Technology, 2009, 165, 308-312.	1.2	6
11	Thermal transport properties of uranium dioxide by molecular dynamics simulations. Journal of Nuclear Materials, 2008, 375, 388-396.	2.7	87
12	Thermal conductance across grain boundaries in diamond from molecular dynamics simulation. Journal of Applied Physics, 2007, 102, 063503.	2.5	47
13	Thermal transport and grain boundary conductance in ultrananocrystalline diamond thin films. Journal of Applied Physics, 2006, 99, 114301.	2.5	139