Tao Liang

List of Publications by Year
in descending order

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19	931	623734	839539
papers	citations	14	18
		h-index	g-index

19	19	19	1358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamics of graphene/Al interfaces using COMB3 potentials. Physical Review Materials, 2019, 3, .	2.4	7
2	Titanium-Carbide Formation at Defective Curved Graphene-Titanium Interfaces. MRS Advances, 2018, 3, 457-462.	0.9	7
3	Applied Potentials in Variable-Charge Reactive Force Fields for Electrochemical Systems. Journal of Physical Chemistry A, 2018, 122, 631-638.	2.5	19
4	Nanoscale Structure and Dynamics of Water on Pt and Cu Surfaces from MD Simulations. Langmuir, 2018, 34, 11905-11911.	3.5	11
5	Development of a ReaxFF Reactive Force Field for NaSiO_x/Water Systems and Its Application to Sodium and Proton Self-Diffusion. Journal of Physical Chemistry C, 2018, 122, 19613-19624.	3.1	63
6	Evaluation and comparison of classical interatomic potentials through a user-friendly interactive web-interface. Scientific Data, 2017, 4, 160125.	5.3	18
7	Grapheneâ€“Titanium Interfaces from Molecular Dynamics Simulations. ACS Applied Materials & Interfaces, 2017, 9, 33288-33297.	8.0	37
8	Computational investigation on CO2 adsorption in titanium carbide-derived carbons with residual titanium. Carbon, 2017, 111, 741-751.	10.3	14
9	Properties of Ti/TiC Interfaces from Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2016, 120, 12530-12538.	3.1	25
10	Effect of Surface Chemistry on Water Interaction with Cu(111). Langmuir, 2016, 32, 8061-8070.	3.5	16
11	Molecular dynamics simulations of CO2 reduction on Cu(111) and Cu/ZnO(10 <mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.3	24
12	A charge optimized many-body (comb) potential for titanium and titania. Journal of Physics Condensed Matter, 2014, 26, 315007.	1.8	21
13	Classical atomistic simulations of surfaces and heterogeneous interfaces with the charge-optimized many body (COMB) potentials. Materials Science and Engineering Reports, 2013, 74, 255-279.	31.8	222
14	Reactive Potentials for Advanced Atomistic Simulations. Annual Review of Materials Research, 2013, 43, 109-129.	9.3	184
15	Variable charge many-body interatomic potentials. MRS Bulletin, 2012, 37, 504-512.	3.5	58
16	Variable Charge Reactive Potential for Hydrocarbons to Simulate Organic-Copper Interactions. Journal of Physical Chemistry A, 2012, 116, 7976-7991.	2.5	91
17	Novel nanoporous carbon materials for adsorption gibberellic acid from solution. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 658-661.	2.1	6
18	First-principles determination of static potential energy surfaces for atomic friction in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>	3.2	106

#	Article	IF	Citations
19	Investigation of the detailed structure of atomically sharp Ge/SiO/sub 2/ interfaces. , 2003, , .		2