

# Tao Liang

## List of Publications by Year in descending order

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19  
papers

931  
citations

623734

14  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1358  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Reactive Potentials for Advanced Atomistic Simulations. Annual Review of Materials Research, 2013, 43, 109-129.	9.3	184
3	Simple determination of static potential energy surfaces for atomic friction in $MoS_2$ and $MoS_2$	3.2	106
4	Variable Charge Reactive Potential for Hydrocarbons to Simulate Organic-Copper Interactions. Journal of Physical Chemistry A, 2012, 116, 7976-7991.	2.5	91
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	Variable charge many-body interatomic potentials. MRS Bulletin, 2012, 37, 504-512.	3.5	58
7	Graphene-Titanium Interfaces from Molecular Dynamics Simulations. ACS Applied Materials & Interfaces, 2017, 9, 33288-33297.	8.0	37
8	Properties of Ti/TiC Interfaces from Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2016, 120, 12530-12538.	3.1	25
9	Molecular dynamics simulations of CO <sub>2</sub> reduction on Cu(111) and Cu/ZnO(100) surfaces	3.3	24
10	A charge optimized many-body (comb) potential for titanium and titania. Journal of Physics Condensed Matter, 2014, 26, 315007.	1.8	21
11	Applied Potentials in Variable-Charge Reactive Force Fields for Electrochemical Systems. Journal of Physical Chemistry A, 2018, 122, 631-638.	2.5	19
12	Evaluation and comparison of classical interatomic potentials through a user-friendly interactive web-interface. Scientific Data, 2017, 4, 160125.	5.3	18
13	Effect of Surface Chemistry on Water Interaction with Cu(111). Langmuir, 2016, 32, 8061-8070.	3.5	16
14	Computational investigation on CO <sub>2</sub> adsorption in titanium carbide-derived carbons with residual titanium. Carbon, 2017, 111, 741-751.	10.3	14
15	Nanoscale Structure and Dynamics of Water on Pt and Cu Surfaces from MD Simulations. Langmuir, 2018, 34, 11905-11911.	3.5	11
16	Titanium-Carbide Formation at Defective Curved Graphene-Titanium Interfaces. MRS Advances, 2018, 3, 457-462.	0.9	7
17	Dynamics of graphene/Al interfaces using COMB3 potentials. Physical Review Materials, 2019, 3, .	2.4	7
18	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

#	ARTICLE	IF	CITATIONS
19	Investigation of the detailed structure of atomically sharp Ge/SiO <sub>2</sub> interfaces. , 2003, , .		2