Chun-Gen Liu

List of Publications by Year
in descending order

13	551	1163117 8	1125743 13
papers	citations	h-index	g-index

14	14	14	1082
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlled Fluorescence Enhancement of DNA-Binding Dye Through Chain Length Match between Oligoguanine and TOTO. Journal of Physical Chemistry B, 2021, 125, 518-527.	2.6	4
2	Free-Standing Single Ag Nanowires for Multifunctional Optical Probes. ACS Applied Materials & Interfaces, 2021, 13, 19023-19030.	8.0	8
3	Enhancing the Understanding of Hydrogen Evolution and Oxidation Reactions on Pt(111) through Ab Initio Simulation of Electrode/Electrolyte Kinetics. Journal of the American Chemical Society, 2020, 142, 4985-4989.	13.7	72
4	Highâ€Performance Inverted Planar Perovskite Solar Cells Enhanced by Thickness Tuning of New Dopantâ€Free Hole Transporting Layer. Small, 2019, 15, e1904715.	10.0	47
5	Excitonâ€“Phonon Interaction Model for Singlet Fission in Prototypical Molecular Crystals. Journal of Chemical Theory and Computation, 2019, 15, 3721-3729.	5.3	31
6	How intermolecular interactions influence electronic absorption spectra: insights from the molecular packing of uracil in condensed phases. Physical Chemistry Chemical Physics, 2019, 21, 4072-4081.	2.8	19
7	Time-dependent density matrix renormalization group quantum dynamics for realistic chemical systems. Journal of Chemical Physics, 2019, 151, 224101.	3.0	45
8	Origin of the overpotentials for HCOO^{â^’} and CO formation in the electroreduction of CO₂ on Cu(211): the reductive desorption processes decide. Physical Chemistry Chemical Physics, 2018, 20, 5756-5765.	2.8	19
9	An Elastic Autonomous Selfâ€Healing Capacitive Sensor Based on a Dynamic Dual Crosslinked Chemical System. Advanced Materials, 2018, 30, e1801435.	21.0	280
10	Efficient Reconstruction of CAS-CI-Type Wave Functions for a DMRG State Using Quantum Information Theory and a Genetic Algorithm. Journal of Chemical Theory and Computation, 2017, 13, 4699-4710.	5.3	18
11	Electronic Structures of Anti-Ferromagnetic Tetraradicals: Ab Initio and Semi-Empirical Studies. Journal of Chemical Theory and Computation, 2016, 12, 1714-1727.	5.3	2
12	A non-adiabatic dynamics study of octatetraene: The radiationless conversion from S2 to S1. Journal of Chemical Physics, 2013, 139, 244304.	3.0	5
13	The Valence Bond Calculations on Conjugated Hydrocarbons of Medium to Infinite Sizes. Journal of the Chinese Chemical Society, 2003, 50, 717-728.	1.4	1