Galen T Craven

List of Publications by Year
in descending order

24 papers	530 citations	567281 15 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	271 citing authors

#	Article	IF	Citations
1	Lagrangian Descriptors of Thermalized Transition States on Time-Varying Energy Surfaces. Physical Review Letters, 2015, 115, 148301.	7.8	68
2	Electron transfer across a thermal gradient. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9421-9429.	7.1	50
3	Deconstructing field-induced ketene isomerization through Lagrangian descriptors. Physical Chemistry Chemical Physics, 2016, 18, 4008-4018.	2.8	49
4	Transition state geometry of driven chemical reactions on time-dependent double-well potentials. Physical Chemistry Chemical Physics, 2016, 18, 30270-30281.	2.8	37
5	Lagrangian descriptors of driven chemical reaction manifolds. Physical Review E, 2017, 96, 022222.	2.1	35
6	Electron transfer at thermally heterogeneous molecule-metal interfaces. Journal of Chemical Physics, 2017, 146, .	3.0	31
7	Electron-Transfer-Induced Thermal and Thermoelectric Rectification. Physical Review Letters, 2018, 121, 247704.	7.8	31
8	Chemical reactions induced by oscillating external fields in weak thermal environments. Journal of Chemical Physics, 2015, 142, 074108.	3.0	28
9	Communication: Transition state trajectory stability determines barrier crossing rates in chemical reactions induced by time-dependent oscillating fields. Journal of Chemical Physics, 2014, 141, 041106.	3.0	27
10	Electrothermal Transistor Effect and Cyclic Electronic Currents in Multithermal Charge Transfer Networks. Physical Review Letters, 2017, 118, 207201.	7.8	24
11	Persistence of transition-state structure in chemical reactions driven by fields oscillating in time. Physical Review E, 2014, 89, 040801.	2.1	23
12	Machine learning approaches for structural and thermodynamic properties of a Lennard-Jones fluid. Journal of Chemical Physics, 2020, 153, 104502.	3.0	22
13	Wiedemannâ€“Franz Law for Molecular Hopping Transport. Nano Letters, 2020, 20, 989-993.	9.1	21
14	Transition state theory for activated systems with driven anharmonic barriers. Journal of Chemical Physics, 2017, 147, 074104.	3.0	19
15	Electron-transfer-induced and phononic heat transport in molecular environments. Journal of Chemical Physics, 2017, 147, 124101.	3.0	18
16	Structure of a tractable stochastic mimic of soft particles. Soft Matter, 2014, 10, 5350-5361.	2.7	11
17	Stochastic dynamics of penetrable rods in one dimension: Occupied volume and spatial order. Journal of Chemical Physics, 2013, 138, 244901.	3.0	9
18	Ex Machina Determination of Structural Correlation Functions. Journal of Physical Chemistry Letters, 2020, 11, 4372-4378.	4.6	7

#	Article	IF	Citations
19	Effective Surface Coverage of Coarse-Grained Soft Matter. Journal of Physical Chemistry B, 2014, 118, 14092-14102.	2.6	5
20	Stochastic dynamics of penetrable rods in one dimension: Entangled dynamics and transport properties. Journal of Chemical Physics, 2015, 142, 154906.	3.0	5
21	Upside/Downside statistical mechanics of nonequilibrium Brownian motion. I. Distributions, moments, and correlation functions of a free particle. Journal of Chemical Physics, 2018, 148, 044101.	3.0	4
22	Upside/Downside statistical mechanics of nonequilibrium Brownian motion. II. Heat transfer and energy partitioning of a free particle. Journal of Chemical Physics, 2018, 149, 104103.	3.0	3
23	Nonequilibrium structure in sequential assembly. Physical Review E, 2015, 92, 052108.	2.1	2
24	Heat transport induced by electron transfer: A general temperature quantum calculation. Journal of Chemical Physics, 2021, 155, 194104.	3.0	1