

# Galen T Craven

## List of Publications by Year in descending order

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24  
papers

530  
citations

566801

15  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat transport induced by electron transfer: A general temperature quantum calculation. Journal of Chemical Physics, 2021, 155, 194104.	1.2	1
2	Machine learning approaches for structural and thermodynamic properties of a Lennard-Jones fluid. Journal of Chemical Physics, 2020, 153, 104502.	1.2	22
3	<i>Ex Machina</i> Determination of Structural Correlation Functions. Journal of Physical Chemistry Letters, 2020, 11, 4372-4378.	2.1	7
4	Wiedemann-Franz Law for Molecular Hopping Transport. Nano Letters, 2020, 20, 989-993.	4.5	21
5	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.	1.2	4
6	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.	1.2	3
7	Electron-Transfer-Induced Thermal and Thermoelectric Rectification. Physical Review Letters, 2018, 121, 247704.	2.9	31
8	Electron transfer at thermally heterogeneous molecule-metal interfaces. Journal of Chemical Physics, 2017, 146, .	1.2	31
9	Electron-transfer-induced and phononic heat transport in molecular environments. Journal of Chemical Physics, 2017, 147, 124101.	1.2	18
10	Transition state theory for activated systems with driven anharmonic barriers. Journal of Chemical Physics, 2017, 147, 074104.	1.2	19
11	Electrothermal Transistor Effect and Cyclic Electronic Currents in Multithermal Charge Transfer Networks. Physical Review Letters, 2017, 118, 207201.	2.9	24
12	Lagrangian descriptors of driven chemical reaction manifolds. Physical Review E, 2017, 96, 022222.	0.8	35
13	Electron transfer across a thermal gradient. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9421-9429.	3.3	50
14	Transition state geometry of driven chemical reactions on time-dependent double-well potentials. Physical Chemistry Chemical Physics, 2016, 18, 30270-30281.	1.3	37
15	Deconstructing field-induced ketene isomerization through Lagrangian descriptors. Physical Chemistry Chemical Physics, 2016, 18, 4008-4018.	1.3	49
16	Nonequilibrium structure in sequential assembly. Physical Review E, 2015, 92, 052108.	0.8	2
17	Lagrangian Descriptors of Thermalized Transition States on Time-Varying Energy Surfaces. Physical Review Letters, 2015, 115, 148301.	2.9	68
18	Chemical reactions induced by oscillating external fields in weak thermal environments. Journal of Chemical Physics, 2015, 142, 074108.	1.2	28

#	ARTICLE	IF	CITATIONS
19	Stochastic dynamics of penetrable rods in one dimension: Entangled dynamics and transport properties. <i>Journal of Chemical Physics</i> , 2015, 142, 154906.	1.2	5
20	Persistence of transition-state structure in chemical reactions driven by fields oscillating in time. <i>Physical Review E</i> , 2014, 89, 040801.	0.8	23
21	Communication: Transition state trajectory stability determines barrier crossing rates in chemical reactions induced by time-dependent oscillating fields. <i>Journal of Chemical Physics</i> , 2014, 141, 041106.	1.2	27
22	Structure of a tractable stochastic mimic of soft particles. <i>Soft Matter</i> , 2014, 10, 5350-5361.	1.2	11
23	Effective Surface Coverage of Coarse-Grained Soft Matter. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14092-14102.	1.2	5
24	Stochastic dynamics of penetrable rods in one dimension: Occupied volume and spatial order. <i>Journal of Chemical Physics</i> , 2013, 138, 244901.	1.2	9