

Jason R Green

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

366
citations

10
h-index

18
g-index

28
ext. papers

461
ext. citations

4.9
avg, IF

3.81
L-index

#	Paper	IF	Citations
27	Benchmarking the Performance of the ReaxFF Reactive Force Field on Hydrogen Combustion Systems. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5631-5645	2.8	14
26	Non-normality and non-monotonic dynamics in complex reaction networks. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
25	Time-information uncertainty relations in thermodynamics. <i>Nature Physics</i> , 2020 , 16, 1211-1215	16.2	29
24	Critical fluctuations and slowing down of chaos. <i>Nature Communications</i> , 2019 , 10, 2155	17.4	5
23	Typical Stochastic Paths in the Transient Assembly of Fibrous Materials. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4792-4802	3.4	2
22	Effects of temperature and mass conservation on the typical chemical sequences of hydrogen oxidation. <i>Journal of Chemical Physics</i> , 2018 , 148, 044102	3.9	4
21	Entrance and escape dynamics for the typical set. <i>Physical Review E</i> , 2018 , 97, 012146	2.4	1
20	Nonequilibrium uncertainty principle from information geometry. <i>Physical Review E</i> , 2018 , 98,	2.4	11
19	Explosion limits of hydrogen-oxygen mixtures from nonequilibrium critical points. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15746-15752	3.6	3
18	Ignition in an Atomistic Model of Hydrogen Oxidation. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 1686-1692	16.2	7
17	Self-Averaging Fluctuations in the Chaoticity of Simple Fluids. <i>Physical Review Letters</i> , 2017 , 119, 115502	7.4	5
16	Nonexponential kinetics of ion pair dissociation in electrofreezing water. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26396-26402	3.6	
15	Nonequilibrium phase coexistence and criticality near the second explosion limit of hydrogen combustion. <i>Journal of Chemical Physics</i> , 2017 , 147, 034108	3.9	5
14	Extensivity and additivity of the Kolmogorov-Sinai entropy for simple fluids. <i>Physical Review E</i> , 2017 , 95, 022102	2.4	2
13	Reactive symbol sequences for a model of hydrogen combustion. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2810-7	3.6	12
12	Learning the mechanisms of chemical disequilibria. <i>Journal of Chemical Physics</i> , 2016 , 145, 084112	3.9	10
11	Order and disorder in irreversible decay processes. <i>Journal of Chemical Physics</i> , 2015 , 142, 064113	3.9	12

10	Measuring disorder in irreversible decay processes. <i>Journal of Chemical Physics</i> , 2014 , 141, 104107	3.9	16
9	Extending the length and time scales of Gram-Schmidt Lyapunov vector computations. <i>Journal of Computational Physics</i> , 2013 , 246, 113-122	4.1	4
8	Relationship between dynamical entropy and energy dissipation far from thermodynamic equilibrium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16339-43	11.5	24
7	Chaotic dynamics near steep transition states. <i>Molecular Physics</i> , 2012 , 110, 1839-1848	1.7	4
6	When do molecular bowls encapsulate metal cations?. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 4968-75	8	40
5	Characterizing molecular motion in H ₂ O and H ₃ O ⁺ with dynamical instability statistics. <i>Journal of Chemical Physics</i> , 2011 , 135, 184307	3.9	8
4	Space-time properties of Gram-Schmidt vectors in classical Hamiltonian evolution. <i>Physical Review E</i> , 2009 , 80, 066205	2.4	10
3	Ion/surface reactions and ion soft-landing. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1490-500	3.6	109
2	Collisions of organic ions at surfaces. <i>Applied Surface Science</i> , 2004 , 231-232, 13-21	6.7	16
1	Inverse Heavy-Atom Kinetic Isotope Effects in Chloroalkanes. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 10039-10043	2.8	7