

Aaron D Kaplan

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

569
citations

1306789

7
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

282
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles wave-vector- and frequency-dependent exchange-correlation kernel for jellium at all densities. <i>Physical Review B</i> , 2022, 105, .	1.1	7
2	Construction of meta-GGA functionals through restoration of exact constraint adherence to regularized SCAN functionals. <i>Journal of Chemical Physics</i> , 2022, 156, 034109.	1.2	25
3	Interpretations of ground-state symmetry breaking and strong correlation in wavefunction and density functional theories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	53
4	Calculation and interpretation of classical turning surfaces in solids. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	6
5	r2SCAN-D4: Dispersion corrected meta-generalized gradient approximation for general chemical applications. <i>Journal of Chemical Physics</i> , 2021, 154, 061101.	1.2	70
6	Accurate and Numerically Efficient r^2 -SCAN Meta-Generalized Gradient Approximation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8208-8215.	2.1	335
7	Simple hydrogenic estimates for the exchange and correlation energies of atoms and atomic ions, with implications for density functional theory. <i>Journal of Chemical Physics</i> , 2020, 153, 074114.	1.2	10
8	Collapse of the electron gas from three to two dimensions in Kohn-Sham density functional theory. <i>Physical Review B</i> , 2018, 98, .	1.1	11
9	CPT invariance in classical electrodynamics. <i>European Journal of Physics</i> , 2017, 38, 065205.	0.3	5