Egor Trushin

List of Publications by Year
in descending order

16	603	1163117 8	996975 15
papers	citations	h-index	g-index

16	16	16	987
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding band gaps of solids in generalized Kohnâ€“Sham theory. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2801-2806.	7.1	423
2	The Nature of Oneâ€Dimensional Carbon: Polyynic versus Cumulenic. ChemPhysChem, 2014, 15, 2497-2502.	2.1	56
3	Toward chemical accuracy at low computational cost: Density-functional theory with Ïƒ -functionals for the correlation energy. Journal of Chemical Physics, 2021, 154, 014104.	3.0	19
4	Spin-current density-functional theory for a correct treatment of spin-orbit interactions and its application to topological phase transitions. Physical Review B, 2018, 98, .	3.2	18
5	Structure and stability of small zinc oxide clusters. Physics of the Solid State, 2012, 54, 859-865.	0.6	16
6	Band gaps, ionization potentials, and electron affinities of periodic electron systems via the adiabatic-connection fluctuation-dissipation theorem. Physical Review B, 2016, 94, .	3.2	16
7	Chemical accuracy with Ïƒ-functionals for the Kohnâ€“Sham correlation energy optimized for different input orbitals and eigenvalues. Journal of Chemical Physics, 2021, 155, 134111.	3.0	14
8	Anion-radical oxygen centers in small (AgO)n clusters: Density functional theory predictions. Chemical Physics Letters, 2013, 560, 37-41.	2.6	12
9	Numerically stable optimized effective potential method with standard Gaussian basis sets. Journal of Chemical Physics, 2021, 155, 054109.	3.0	8
10	First-Principles Calculation of Triplet Exciton Diffusion in Crystalline Poly(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.1	7
11	Assessment of the exact-exchange-only Kohn-Sham method for the calculation of band structures for transition metal oxide and metal halide perovskites. Physical Review B, 2019, 100, .	3.2	5
12	Interpretation of X-ray photoelectron spectra of free nitroxyl radicals. Journal of Structural Chemistry, 2013, 54, 898-906.	1.0	3
13	Topological Phase Transitions in Zinc-Blende Semimetals Driven Exclusively by Electronic Temperature. Physical Review Letters, 2018, 120, 146401.	7.8	2
14	Assessment of quality and reliability of band structures from exact-exchange-only Kohnâ€“Sham, hybrid, and GW methods. European Physical Journal B, 2018, 91, 1.	1.5	2
15	Liebâ€“Oxford bound and pair correlation functions for density-functional methods based on the adiabatic-connection fluctuation-dissipation theorem. Faraday Discussions, 2020, 224, 79-97.	3.2	1
16	Numerically stable inversion approach to construct Kohn-Sham potentials for given electron densities within a Gaussian basis set framework. Journal of Chemical Physics, 0, , .	3.0	1