George Schoendorff

List of Publications by Year
in descending order

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26	346	840776 11	839539 18
papers	citations	h-index	g-index

26	26	26	395
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Excited states of lutetium oxide and its singly charged cation. Journal of Chemical Physics, 2022, 156, 084303.	3.0	2
2	Segmented correlation consistent basis sets for the 4d and 5d transition metals. Journal of Chemical Physics, 2022, 156, 064102.	3.0	2
3	Multiple Bonding in Rhodium Monoboride. Quasi-atomic Analyses of the Ground and Low-Lying Excited States. Journal of Physical Chemistry A, 2021, 125, 4836-4846.	2.5	16
4	Quasi-Atomic Bond Analyses in the Sixth Period: I. Relativistic Accurate Atomic Minimal Basis Sets for the Elements Cesium to Radon. Journal of Physical Chemistry A, 2019, 123, 5242-5248.	2.5	11
5	Quasi-Atomic Bond Analyses in the Sixth Period: II. Bond Analyses of Cerium Oxides. Journal of Physical Chemistry A, 2019, 123, 5249-5256.	2.5	18
6	Efficacy of Density Functionals and Relativistic Effective Core Potentials for Lanthanide-Containing Species: The Ln54 Molecule Set. Journal of Chemical Theory and Computation, 2017, 13, 2831-2839.	5.3	25
7	Relativistic ab Initio Accurate Atomic Minimal Basis Sets: Quantitative LUMOs and Oriented Quasi-Atomic Orbitals for the Elements Liâ€“Xe. Journal of Physical Chemistry A, 2017, 121, 3588-3597.	2.5	18
8	Dissociation energy and electronic structure of the low valent lanthanide compound NdF⁺. International Journal of Quantum Chemistry, 2016, 116, 791-794.	2.0	5
9	Gauging the Performance of Density Functionals for Lanthanide-Containing Molecules. Journal of Chemical Theory and Computation, 2016, 12, 1259-1266.	5.3	39
10	A Computational Study on the Ground and Excited States of Nickel Silicide. Journal of Physical Chemistry A, 2015, 119, 9630-9635.	2.5	5
11	Behavior of the Sapporo-nZP-2012 basis set family. Chemical Physics Letters, 2015, 637, 120-126.	2.6	8
12	Ground and Excited Electronic State Analysis of PrF²⁺ and PmF²⁺. Journal of Physical Chemistry A, 2015, 119, 1683-1688.	2.5	7
13	The Importance of Orbital Analysis. Progress in Theoretical Chemistry and Physics, 2015, , 3-28.	0.2	0
14	Low valency in lanthanides: A theoretical study of NdF and LuF. Journal of Chemical Physics, 2014, 140, 224314.	3.0	17
15	MR-ccCA: A route for accurate ground and excited state potential energy curves and spectroscopic properties for third-row diatomic molecules. Computational and Theoretical Chemistry, 2014, 1040-1041, 72-83.	2.5	9
16	A Neoteric Neodymium Model: Ground and Excited Electronic State Analysis of NdF²⁺. Journal of Physical Chemistry A, 2013, 117, 10881-10888.	2.5	10
17	Structure and Bonding of Palladium Oxos as Possible Intermediates in Metalâ€“Carbon Oxy Insertion Reactions. Organometallics, 2013, 32, 4993-4996.	2.3	8
18	Highly Enantioselective Zirconium-Catalyzed Cyclization of Aminoalkenes. Journal of the American Chemical Society, 2013, 135, 7235-7250.	13.7	77

#	Article	IF	Citations
19	Spectroscopic properties of Arxâ€“Zn and Arxâ€“Ag+(x= 1,2) van der Waals complexes. Journal of Chemical Physics, 2013, 138, 104116.	3.0	1
20	Roles of Acetone and Diacetone Alcohol in Coordination and Dissociation Reactions of Uranyl Complexes. Inorganic Chemistry, 2012, 51, 12768-12775.	4.0	16
21	On the Formation of â€œHypercoordinatedâ€•Uranyl Complexes. Inorganic Chemistry, 2011, 50, 8490-8493.	4.0	11
22	A study on the electronic and structural properties of fullerene C30 and azafullerene C18N12. Computational and Theoretical Chemistry, 2010, 942, 71-76.	1.5	7
23	Gas Phase Computational Studies on the Competition between Nitrile and Water Ligands in Uranyl Complexes^{â€}. Journal of Physical Chemistry A, 2010, 114, 8902-8912.	2.5	4
24	Structure, bonding, and ligand-based reactions of zwitterionic boratoiridium(I) complexes with oxazolinyl scorpionate ligands. Inorganica Chimica Acta, 2009, 362, 4517-4525.	2.4	15
25	Density Functional Studies on the Complexation and Spectroscopy of Uranyl Ligated with Acetonitrile and Acetone Derivatives. Journal of Physical Chemistry A, 2009, 113, 12525-12531.	2.5	13
26	Development of an Open Source Tool for Basis Set Optimizations and Application to the Development of a Quadruple-Î¶ Segmented Basis Set for Actinium. ACS Symposium Series, 0, , 329-346.	0.5	2