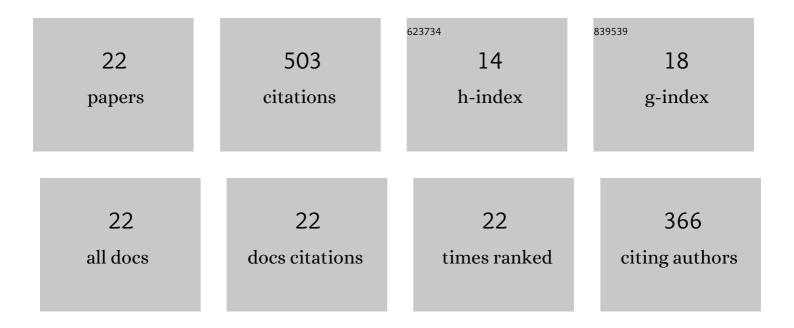
Robert Balawender

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Exploring chemical space with alchemical derivatives: alchemical transformations of H through Ar and their ions as a proof of concept. Physical Chemistry Chemical Physics, 2019, 21, 23865-23879.	2.8	19
2	Exploring Chemical Space with Alchemical Derivatives: <i>BN</i> -Simultaneous Substitution Patterns in C ₆₀ . Journal of Chemical Theory and Computation, 2018, 14, 1154-1168.	5.3	31
3	Alchemical Derivatives of Atoms: A Walk Through the Periodic Table. , 2018, , 227-251.		4
4	Revisiting the chemical reactivity indices as the state function derivatives. The role of classical chemical hardness. Journal of Chemical Physics, 2015, 142, 054104.	3.0	32
5	Information and complexity measures in molecular reactivity studies. Physical Chemistry Chemical Physics, 2014, 16, 14928-14946.	2.8	6
6	Testing exchange–correlation functionals at fractional electron numbers. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	2
7	Exploring Chemical Space with the Alchemical Derivatives. Journal of Chemical Theory and Computation, 2013, 9, 5327-5340.	5.3	42
8	Higher order alchemical derivatives from coupled perturbed self-consistent field theory. Journal of Chemical Physics, 2012, 136, 034104.	3.0	31
9	Structure Investigations of Dichloroaluminum Benzoates: An Unprecedented Example of a Monomeric Aluminum Complex with a Chelating Carboxylate Ligand. Inorganic Chemistry, 2009, 48, 10892-10894.	4.0	14
10	Comment on "Legendre-transform functionals for spin-density-functional theory―[J. Chem. Phys. 124, 224108 (2006)]. Journal of Chemical Physics, 2006, 125, 247101.	3.0	14
11	Density-functional theory-based chemical reactivity indices in the Hartree-Fock method. I. Unrestricted Hartree-Fock method for a noninteger number of electrons. Journal of Chemical Physics, 2005, 123, 124102.	3.0	16
12	DFT-based chemical reactivity indices in the Hartree-Fock method. II. Fukui function, chemical potential, and hardness. Journal of Chemical Physics, 2005, 123, 124103.	3.0	22
13	THE NUCLEAR FUKUI FUNCTION. , 2002, , 1053-1070.		7
14	Nuclear Fukui function from coupled perturbed Hartree–Fock equations. Journal of Chemical Physics, 2001, 114, 682.	3.0	40
15	Solvent Effect on the Global and Atomic DFT-Based Reactivity Descriptors Using the Effective Fragment Potential Model. Solvation of Ammonia. Journal of Physical Chemistry A, 2001, 105, 6703-6710.	2.5	31
16	Solvent Effect on Electronegativity, Hardness, Condensed Fukui Functions, and Softness, in a Large Series of Diatomic and Small Polyatomic Molecules:  Use of the EFP Model. Journal of Physical Chemistry A, 2001, 105, 11102-11109.	2.5	25
17	Nuclear Fukui function and Berlin's binding function: Prediction of the Jahn–Teller distortion. Journal of Chemical Physics, 2001, 114, 4441.	3.0	36
18	Atomic Fukui function indices and local softness ab initio. Journal of Chemical Physics, 1998, 109, 5203-5211.	3.0	73

#	Article	IF	CITATIONS
19	Derivatives of Molecular Valence as a Measure of Aromaticity. Journal of Physical Chemistry A, 1998, 102, 9912-9917.	2.5	36
20	Acidic and basic molecular hardness in LCAO approximation. International Journal of Quantum Chemistry, 1997, 61, 499-505.	2.0	19
21	Acidic and basic molecular hardness in LCAO approximation. International Journal of Quantum Chemistry, 1997, 61, 499-505.	2.0	Ο
22	New Insights and Horizons from the Linear Response Function in Conceptual DFT. , 0, , .		3