Lando P Wolters

List of Publications by Year
in descending order

25 papers	1,351 citations	471509 17 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	1457 citing authors

#	Article	IF	Citations
1	The activation strain model and molecular orbital theory. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2015, 5, 324-343.	14.6	280
2	The many faces of halogen bonding: a review of theoretical models and methods. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2014, 4, 523-540.	14.6	188
3	Halogen Bonding versus Hydrogen Bonding: A Molecular Orbital Perspective. ChemistryOpen, 2012, 1, 96-105.	1.9	185
4	Controlling the oxidative addition of aryl halides to Au(I). Journal of Computational Chemistry, 2014, 35, 2140-2145.	3.3	65
5	Role of Steric Attraction and Bite-Angle Flexibility in Metal-Mediated Câ€“H Bond Activation. ACS Catalysis, 2015, 5, 5766-5775.	11.2	58
6	Mechanistic Insight into the Oxidation of Organic Phenylselenides by H₂O₂. Chemistry - A European Journal, 2017, 23, 2405-2422.	3.3	56
7	Covalency in resonance-assisted halogen bonds demonstrated with cooperativity in N-halo-guanine quartets. Physical Chemistry Chemical Physics, 2015, 17, 1585-1592.	2.8	54
8	Nucleophilic Substitution in Solution: Activation Strain Analysis of Weak and Strong Solvent Effects. Chemistry - A European Journal, 2018, 24, 5927-5938.	3.3	53
9	Nonlinear d¹⁰â€ML₂ Transitionâ€Metal Complexes. ChemistryOpen, 2013, 2, 106-114.	1.9	52
10	Reaction Coordinates and the Transition-Vector Approximation to the IRC. Journal of Chemical Theory and Computation, 2008, 4, 920-928.	5.3	43
11	Insights on selenium and tellurium diaryldichalcogenides: A benchmark DFT study. Journal of Computational Chemistry, 2016, 37, 1672-1680.	3.3	43
12	Understanding E2 versus S_N2 Competition under Acidic and Basic Conditions. ChemistryOpen, 2014, 3, 29-36.	1.9	40
13	Additionâ€“Elimination or Nucleophilic Substitution? Understanding the Energy Profiles for the Reaction of Chalcogenolates with Dichalcogenides. Journal of Chemical Theory and Computation, 2016, 12, 2752-2761.	5.3	37
14	New Concepts for Designing d¹⁰â€M(L)_n Catalysts: d Regime, s Regime and Intrinsic Biteâ€Angle Flexibility. Chemistry - A European Journal, 2014, 20, 11370-11381.	3.3	36
15	Peroxidase Activity of Organic Selenides: Mechanistic Insights from Quantum Chemistry. Current Organic Chemistry, 2015, 20, 189-197.	1.6	33
16	In Silico Design of Heteroaromatic Halfâ€Sandwich Rh^I Catalysts for Acetylene [2+2+2] Cyclotrimerization: Evidence of a Reverse Indenylâ€‰Effect. Chemistry - A European Journal, 2013, 19, 13337-13347.	3.3	27
17	General AMBER Force Field Parameters for Diphenyl Diselenides and Diphenyl Ditellurides. Journal of Physical Chemistry A, 2016, 120, 4389-4400.	2.5	22
18	Enhanced Ï€â€Backâ€Donation as a Way to Higher Coordination Numbers in d¹⁰ [M(NHC)_n] Complexes: A DFT Study. Chemistry - A European Journal, 2017, 23, 614-622.	3.3	17

#	Article	IF	Citations
19	Asymmetric identity SN2 transition states: Nucleophilic substitution at Î±-substituted carbon and silicon centers. International Journal of Mass Spectrometry, 2017, 413, 85-91.	1.5	16
20	Selective Câ^'H and Câ^'C Bond Activation: Electronic Regimes as a Tool for Designing d¹⁰ ML_n Catalysts. Chemistry - an Asian Journal, 2015, 10, 2272-2282.	3.3	13
21	Câ^'X Bond Activation by Palladium: Steric Shielding versus Steric Attraction. Chemistry - A European Journal, 2022, 28, .	3.3	11
22	Cooperative Selfâ€Assembly in Linear Chains Based on Halogen Bonds. ChemPlusChem, 2021, 86, 812-819.	2.8	10
23	Alkali-Metal-Supported Bismuth Polyhedraâ€"Principles and Theoretical Studies. Inorganic Chemistry, 2011, 50, 5755-5762.	4.0	8
24	d10-ML2 Complexes: Structure, Bonding, and Catalytic Activity. Structure and Bonding, 2014, , 139-161.	1.0	1
25	Nonlinear d¹⁰â€ML₂ Transitionâ€Metal Complexes. ChemistryOpen, 2013, 2, 78-78.	1.9	0