Mark C Lipke

List of Publications by Year
in descending order

23	701	759055 12	642610 23
papers	citations	h-index	g-index

33	33	33	838
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrophilic Activation of Siliconâ€“Hydrogen Bonds in Catalytic Hydrosilations. Angewandte Chemie - International Edition, 2017, 56, 2260-2294.	7.2	192
2	Molecular Russian dolls. Nature Communications, 2018, 9, 5275.	5.8	61
3	Structural and mechanistic investigation of a cationic hydrogen-substituted ruthenium silylene catalyst for alkene hydrosilation. Chemical Science, 2013, 4, 3882.	3.7	58
4	High Electrophilicity at Silicon in Î·³-Silane Ïƒ-Complexes: Lewis Base Adducts of a Silane Ligand, Featuring Octahedral Silicon and Three Ruâ€“Hâ€“Si Interactions. Journal of the American Chemical Society, 2011, 133, 16374-16377.	6.6	48
5	Size-Matched Radical Multivalency. Journal of the American Chemical Society, 2017, 139, 3986-3998.	6.6	39
6	Stabilization of ArSiH₄^{â^’} and SiH₆^{2â^’} Anions in Diruthenium Sïż¿H Ïƒâ€Complexes. Angewandte Chemie - International Edition, 2012, 51, 11115-11121.	7.2	38
7	Hypercoordinate Ketone Adducts of Electrophilic Î·3-H2SiRRâ€² Ligands on Ruthenium as Key Intermediates for Efficient and Robust Catalytic Hydrosilation. Journal of the American Chemical Society, 2014, 136, 16387-16398.	6.6	35
8	Interconversion of Î·3-H2SiRRâ€² Ïƒ-Complexes and 16-Electron Silylene Complexes via Reversible Hâ€“H or Câ€“H Elimination. Journal of the American Chemical Society, 2014, 136, 6092-6102.	6.6	31
9	A Redox-Switchable Molecular Zipper. Journal of the American Chemical Society, 2019, 141, 18308-18317.	6.6	28
10	Shuttling Rates, Electronic States, and Hysteresis in a Ring-in-Ring Rotaxane. ACS Central Science, 2018, 4, 362-371.	5.3	27
11	Silaneâ€“Isocyanide Coupling Involving 1,1-Insertion of XylNC into the Siâ€“H Bond of a Ïƒ-Silane Ligand. Journal of the American Chemical Society, 2013, 135, 10298-10301.	6.6	26
12	Significant Cooperativity Between Ruthenium and Silicon in Catalytic Transformations of an Isocyanide. Journal of the American Chemical Society, 2016, 138, 9704-9713.	6.6	13
13	Uptake, Trapping, and Release of Organometallic Cations by Redox-Active Cationic Hosts. Journal of the American Chemical Society, 2021, 143, 16993-17003.	6.6	13
14	Catalytic Olefin Hydrosilations Mediated by Ruthenium Î·3-H2Si Ïƒ Complexes of Primary and Secondary Silanes. ACS Catalysis, 2018, 8, 11513-11523.	5.5	12
15	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. Angewandte Chemie - International Edition, 2021, 60, 25269-25273.	7.2	12
16	The Influence of Redox-Active Linkers on the Stability and Physical Properties of a Highly Electroactive Porphyrin Nanoprism. Inorganic Chemistry, 2020, 59, 12616-12624.	1.9	11
17	Gram-scale synthesis of a covalent nanocage that preserves the redox properties of encapsulated fullerenes. Chemical Science, 2022, 13, 5325-5332.	3.7	10
18	A delocalized cobaltoviologen with seven reversibly accessible redox states and highly tunable electrochromic behaviour. Chemical Communications, 2020, 56, 13864-13867.	2.2	8

#	Article	IF	Citations
19	Accessing three oxidation states of cobalt in M₆L₃ nanoprisms with cobaltâ€“porphyrin walls. Chemical Communications, 2021, 57, 11342-11345.	2.2	7
20	Twisted Aâ€ÐDâ€A Type Acceptors with Thermallyâ€Activated Delayed Crystallization Behavior for Efficient Nonfullerene Organic Solar Cells. Advanced Energy Materials, 0, , 2103957.	10.2	6
21	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. Angewandte Chemie, 2021, 133, 25473-25477.	1.6	5
22	Modeling the structure and infrared spectra of omega-3 fatty acid esters. Journal of Chemical Physics, 2020, 153, 035101.	1.2	4
23	Correcting Frost Diagram Misconceptions Using Interactive Frost Diagrams. Journal of Chemical Education, 2021, 98, 2578-2583.	1.1	2