

Mark C Lipke

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrophilic Activation of Siliconâ€“Hydrogen Bonds in Catalytic Hydrosilations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2260-2294.	13.8	192
2	Molecular Russian dolls. <i>Nature Communications</i> , 2018, 9, 5275.	12.8	61
3	Structural and mechanistic investigation of a cationic hydrogen-substituted ruthenium silylene catalyst for alkene hydrosilation. <i>Chemical Science</i> , 2013, 4, 3882.	7.4	58
4	High Electrophilicity at Silicon in σ -Silane η^3 -Complexes: Lewis Base Adducts of a Silane Ligand, Featuring Octahedral Silicon and Three Ruâ€“Hâ€“Si Interactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 16374-16377.	13.7	48
5	Size-Matched Radical Multivalency. <i>Journal of the American Chemical Society</i> , 2017, 139, 3986-3998.	13.7	39
6	Stabilization of ArSiH_4^+ and SiH_6^{2+} Anions in Diruthenium Si_2H_2 â€“Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11115-11121.	13.8	38
7	Hypercoordinate Ketone Adducts of Electrophilic σ -H ₂ SiRR ² Ligands on Ruthenium as Key Intermediates for Efficient and Robust Catalytic Hydrosilation. <i>Journal of the American Chemical Society</i> , 2014, 136, 16387-16398.	13.7	35
8	Interconversion of σ -H ₂ SiRR ² η^3 -Complexes and 16-Electron Silylene Complexes via Reversible Hâ€“H or Câ€“H Elimination. <i>Journal of the American Chemical Society</i> , 2014, 136, 6092-6102.	13.7	31
9	A Redox-Switchable Molecular Zipper. <i>Journal of the American Chemical Society</i> , 2019, 141, 18308-18317.	13.7	28
10	Shuttling Rates, Electronic States, and Hysteresis in a Ring-in-Ring Rotaxane. <i>ACS Central Science</i> , 2018, 4, 362-371.	11.3	27
11	Silaneâ€“Isocyanide Coupling Involving 1,1-Insertion of XylNC into the Siâ€“H Bond of a η^3 -Silane Ligand. <i>Journal of the American Chemical Society</i> , 2013, 135, 10298-10301.	13.7	26
12	Significant Cooperativity Between Ruthenium and Silicon in Catalytic Transformations of an Isocyanide. <i>Journal of the American Chemical Society</i> , 2016, 138, 9704-9713.	13.7	13
13	Uptake, Trapping, and Release of Organometallic Cations by Redox-Active Cationic Hosts. <i>Journal of the American Chemical Society</i> , 2021, 143, 16993-17003.	13.7	13
14	Catalytic Olefin Hydrosilations Mediated by Ruthenium σ -H ₂ Si η^3 Complexes of Primary and Secondary Silanes. <i>ACS Catalysis</i> , 2018, 8, 11513-11523.	11.2	12
15	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25269-25273.	13.8	12
16	The Influence of Redox-Active Linkers on the Stability and Physical Properties of a Highly Electroactive Porphyrin Nanoprism. <i>Inorganic Chemistry</i> , 2020, 59, 12616-12624.	4.0	11
17	Gram-scale synthesis of a covalent nanocage that preserves the redox properties of encapsulated fullerenes. <i>Chemical Science</i> , 2022, 13, 5325-5332.	7.4	10
18	A delocalized cobaltoviologen with seven reversibly accessible redox states and highly tunable electrochromic behaviour. <i>Chemical Communications</i> , 2020, 56, 13864-13867.	4.1	8

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19	Accessing three oxidation states of cobalt in M_6L_3 nanoprisms with cobalt porphyrin walls. <i>Chemical Communications</i> , 2021, 57, 11342-11345.	4.1	7
20	Twisted A-D-A Type Acceptors with Thermally Activated Delayed Crystallization Behavior for Efficient Nonfullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 0, , 2103957.	19.5	6
21	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. <i>Angewandte Chemie</i> , 2021, 133, 25473-25477.	2.0	5
22	Modeling the structure and infrared spectra of omega-3 fatty acid esters. <i>Journal of Chemical Physics</i> , 2020, 153, 035101.	3.0	4
23	Correcting Frost Diagram Misconceptions Using Interactive Frost Diagrams. <i>Journal of Chemical Education</i> , 2021, 98, 2578-2583.	2.3	2