Max R Friedfeld

List of Publications by Year
in descending order

22 papers	1,631 citations	430874 18 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1741 citing authors

#	Article	IF	Citations
1	Semiconductor clusters and their use as precursors to nanomaterials. , 2022, , 165-200.		1
2	Seeded Growth of Nanoscale Semiconductor Tetrapods: Generality and the Role of Cation Exchange. Chemistry of Materials, 2020, 32, 4774-4784.	6.7	18
3	Remote, Diastereoselective Cobalt-Catalyzed Alkene Isomerizationâ€“Hydroboration: Access to Stereodefined 1,3-Difunctionalized Indanes. ACS Catalysis, 2019, 9, 9034-9044.	11.2	40
4	Titelbild: Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds (Angew. Chem. 27/2019). Angewandte Chemie, 2019, 131, 9041-9041.	2.0	1
5	Effects of Surface Chemistry on the Photophysics of Colloidal InP Nanocrystals. ACS Nano, 2019, 13, 14198-14207.	14.6	71
6	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie - International Edition, 2019, 58, 9194-9198.	13.8	65
7	Synthesis of In₃₇P₂₀(O₂CR)₅₁ Clusters and Their Conversion to InP Quantum Dots. Journal of Visualized Experiments, 2019, , .	0.3	4
8	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie, 2019, 131, 9292-9296.	2.0	28
9	Carboxylate Anchors Act as Exciton Reporters in 1.3 nm Indium Phosphide Nanoclusters. Journal of Physical Chemistry Letters, 2019, 10, 1833-1839.	4.6	23
10	Effects of Zn2+ and Ga3+ doping on the quantum yield of cluster-derived InP quantum dots. Journal of Chemical Physics, 2019, 151, 194702.	3.0	21
11	Conversion of InP Clusters to Quantum Dots. Inorganic Chemistry, 2019, 58, 803-810.	4.0	46
12	Exploring the Alcohol Stability of Bis(phosphine) Cobalt Dialkyl Precatalysts in Asymmetric Alkene Hydrogenation. Organometallics, 2019, 38, 149-156.	2.3	26
13	Deterministic Positioning of Colloidal Quantum Dots on Silicon Nitride Nanobeam Cavities. Nano Letters, 2018, 18, 6404-6410.	9.1	51
14	Conversion Reactions of Atomically Precise Semiconductor Clusters. Accounts of Chemical Research, 2018, 51, 2803-2810.	15.6	46
15	Cobalt-catalyzed asymmetric hydrogenation of enamides enabled by single-electron reduction. Science, 2018, 360, 888-893.	12.6	219
16	Main-Group-Semiconductor Cluster Molecules as Synthetic Intermediates to Nanostructures. Inorganic Chemistry, 2017, 56, 8689-8697.	4.0	54
17	Nickel-Catalyzed Asymmetric Alkene Hydrogenation of Î±,Î²-Unsaturated Esters: High-Throughput Experimentation-Enabled Reaction Discovery, Optimization, and Mechanistic Elucidation. Journal of the American Chemical Society, 2016, 138, 3562-3569.	13.7	165
18	Cobalt-Catalyzed Enantioselective Hydrogenation of Minimally Functionalized Alkenes: Isotopic Labeling Provides Insight into the Origin of Stereoselectivity and Alkene Insertion Preferences. Journal of the American Chemical Society, 2016, 138, 3314-3324.	13.7	179

#	Article	IF	Citations
19	Bis(phosphine)cobalt Dialkyl Complexes for Directed Catalytic Alkene Hydrogenation. Journal of the American Chemical Society, 2014, 136, 13178-13181.	13.7	117
20	Cobalt Precursors for High-Throughput Discovery of Base Metal Asymmetric Alkene Hydrogenation Catalysts. Science, 2013, 342, 1076-1080.	12.6	346
21	Platinum(II)-Catalyzed Ethylene Hydrophenylation: Switching Selectivity between Alkyl- and Vinylbenzene Production. Organometallics, 2013, 32, 2857-2865.	2.3	34
22	Mechanistic Studies of Ethylene Hydrophenylation Catalyzed by Bipyridyl Pt(II) Complexes. Journal of the American Chemical Society, 2011, 133, 19131-19152.	13.7	76