

Max R Friedfeld

List of Publications by Year in descending order

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Version: 2024-02-01

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	Cobalt Precursors for High-Throughput Discovery of Base Metal Asymmetric Alkene Hydrogenation Catalysts. <i>Science</i> , 2013, 342, 1076-1080.	12.6	346
2	Cobalt-catalyzed asymmetric hydrogenation of enamides enabled by single-electron reduction. <i>Science</i> , 2018, 360, 888-893.	12.6	219
3	Cobalt-Catalyzed Enantioselective Hydrogenation of Minimally Functionalized Alkenes: Isotopic Labeling Provides Insight into the Origin of Stereoselectivity and Alkene Insertion Preferences. <i>Journal of the American Chemical Society</i> , 2016, 138, 3314-3324.	13.7	179
4	Nickel-Catalyzed Asymmetric Alkene Hydrogenation of $\hat{\pm}$, $\hat{2}$ -Unsaturated Esters: High-Throughput Experimentation-Enabled Reaction Discovery, Optimization, and Mechanistic Elucidation. <i>Journal of the American Chemical Society</i> , 2016, 138, 3562-3569.	13.7	165
5	Bis(phosphine)cobalt Dialkyl Complexes for Directed Catalytic Alkene Hydrogenation. <i>Journal of the American Chemical Society</i> , 2014, 136, 13178-13181.	13.7	117
6	Mechanistic Studies of Ethylene Hydrophenylation Catalyzed by Bipyridyl Pt(II) Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 19131-19152.	13.7	76
7	Effects of Surface Chemistry on the Photophysics of Colloidal InP Nanocrystals. <i>ACS Nano</i> , 2019, 13, 14198-14207.	14.6	71
8	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9194-9198.	13.8	65
9	Main-Group-Semiconductor Cluster Molecules as Synthetic Intermediates to Nanostructures. <i>Inorganic Chemistry</i> , 2017, 56, 8689-8697.	4.0	54
10	Deterministic Positioning of Colloidal Quantum Dots on Silicon Nitride Nanobeam Cavities. <i>Nano Letters</i> , 2018, 18, 6404-6410.	9.1	51
11	Conversion Reactions of Atomically Precise Semiconductor Clusters. <i>Accounts of Chemical Research</i> , 2018, 51, 2803-2810.	15.6	46
12	Conversion of InP Clusters to Quantum Dots. <i>Inorganic Chemistry</i> , 2019, 58, 803-810.	4.0	46
13	Remote, Diastereoselective Cobalt-Catalyzed Alkene Isomerization \hat{C} Hydroboration: Access to Stereodefined 1,3-Difunctionalized Indanes. <i>ACS Catalysis</i> , 2019, 9, 9034-9044.	11.2	40
14	Platinum(II)-Catalyzed Ethylene Hydrophenylation: Switching Selectivity between Alkyl- and Vinylbenzene Production. <i>Organometallics</i> , 2013, 32, 2857-2865.	2.3	34
15	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. <i>Angewandte Chemie</i> , 2019, 131, 9292-9296.	2.0	28
16	Exploring the Alcohol Stability of Bis(phosphine) Cobalt Dialkyl Precatalysts in Asymmetric Alkene Hydrogenation. <i>Organometallics</i> , 2019, 38, 149-156.	2.3	26
17	Carboxylate Anchors Act as Exciton Reporters in 1.3 nm Indium Phosphide Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1833-1839.	4.6	23
18	Effects of Zn ²⁺ and Ga ³⁺ doping on the quantum yield of cluster-derived InP quantum dots. <i>Journal of Chemical Physics</i> , 2019, 151, 194702.	3.0	21

#	ARTICLE	IF	CITATIONS
19	Seeded Growth of Nanoscale Semiconductor Tetrapods: Generality and the Role of Cation Exchange. <i>Chemistry of Materials</i> , 2020, 32, 4774-4784.	6.7	18
20	Synthesis of $\text{In}_{37}\text{P}_{20}(\text{O})_{51}$ Clusters and Their Conversion to InP Quantum Dots. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	4
21	Titelbild: Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds (<i>Angew. Chem.</i> 27/2019). <i>Angewandte Chemie</i> , 2019, 131, 9041-9041.	2.0	1
22	Semiconductor clusters and their use as precursors to nanomaterials. , 2022, , 165-200.		1