

Andrew F Zahrt

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

869
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

1049
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous stirred-tank reactor cascade platform for self-optimization of reactions involving solids. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1315-1327.	3.7	22
2	Computational methods for training set selection and error assessment applied to catalyst design: guidelines for deciding which reactions to run first and which to run next. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 694-708.	3.7	12
3	A Conformer-Dependent, Quantitative Quadrant Model. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2343-2354.	2.4	7
4	Dreams, False Starts, Dead Ends, and Redemption: A Chronicle of the Evolution of a Chemoinformatic Workflow for the Optimization of Enantioselective Catalysts. <i>Accounts of Chemical Research</i> , 2021, 54, 2041-2054.	15.6	31
5	Quantitative Structure-Selectivity Relationships in Enantioselective Catalysis: Past, Present, and Future. <i>Chemical Reviews</i> , 2020, 120, 1620-1689.	47.7	117
6	Cautionary Guidelines for Machine Learning Studies with Combinatorial Datasets. <i>ACS Combinatorial Science</i> , 2020, 22, 586-591.	3.8	25
7	Development of a Computer-Guided Workflow for Catalyst Optimization. Descriptor Validation, Subset Selection, and Training Set Analysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 11578-11592.	13.7	48
8	Evaluating continuous chirality measure as a 3D descriptor in chemoinformatics applied to asymmetric catalysis. <i>Tetrahedron</i> , 2019, 75, 1841-1851.	1.9	25
9	Prediction of higher-selectivity catalysts by computer-driven workflow and machine learning. <i>Science</i> , 2019, 363, .	12.6	335
10	Elucidating the Role of the Boronic Esters in the Suzuki-Miyaura Reaction: Structural, Kinetic, and Computational Investigations. <i>Journal of the American Chemical Society</i> , 2018, 140, 4401-4416.	13.7	109
11	Structural, Kinetic, and Computational Characterization of the Elusive Arylpalladium(II)boronate Complexes in the Suzuki-Miyaura Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 3805-3821.	13.7	138