

Dennis Barton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3540428/publications.pdf>

Version: 2024-02-01

10
papers

777
citations

1163117
8
h-index

1372567
10
g-index

10
all docs

10
docs citations

10
times ranked

667
citing authors

#	ARTICLE	IF	CITATIONS
1	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. <i>Journal of Chemical Physics</i> , 2021, 155, 084801.	3.0	518
2	Serenity: A subsystem quantum chemistry program. <i>Journal of Computational Chemistry</i> , 2018, 39, 788-798.	3.3	57
3	Interactions between large molecules pose a puzzle for reference quantum mechanical methods. <i>Nature Communications</i> , 2021, 12, 3927.	12.8	57
4	On-Surface Domino Reactions: Glaser Coupling and Dehydrogenative Coupling of a Biscarboxylic Acid To Form Polymeric Bisacylperoxides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9777-9782.	13.8	50
5	Formation of Organometallic Intermediate States in On-Surface Ullmann Couplings. <i>Chemistry - A European Journal</i> , 2017, 23, 6190-6197.	3.3	36
6	$\hat{\pi}$ -Diazo Ketones in On-Surface Chemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 6000-6005.	13.7	24
7	Vibronic-structure tracking: A shortcut for vibrationally resolved UV/Vis-spectra calculations. <i>Journal of Chemical Physics</i> , 2014, 141, 164115.	3.0	13
8	Reaction Selectivity in On-Surface Chemistry by Surface Coverage Control – Alkyne Dimerization versus Alkyne Trimerization. <i>Chemistry - A European Journal</i> , 2018, 24, 15303-15308.	3.3	9
9	Oberflächen-Dominanzreaktion: Glaser-Kupplung und dehydrierende Kupplung von Dicarbonsäuren unter Bildung eines polymeren Bisacylperoxids. <i>Angewandte Chemie</i> , 2016, 128, 9929-9934.	2.0	7
10	Intermolecular coupling and intramolecular cyclization of aryl nitriles on Au(111). <i>Chemical Communications</i> , 2019, 55, 11611-11614.	4.1	6