

# Daniel M Walden

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

655  
citations

687363

13  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-bonding 1,5-S $\pi$ -O interactions govern chemo- and enantioselectivity in isothiourea-catalyzed annulations of benzazoles. <i>Chemical Science</i> , 2016, 7, 6919-6927.	7.4	125
2	A C=O $\pi$ - $\pi$ -Isothiuronium Interaction Dictates Enantiodiscrimination in Acylative Kinetic Resolutions of Tertiary Heterocyclic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3200-3206.	13.8	102
3	Catalytic Enantioselective [2,3]-Rearrangements of Allylic Ammonium Ylides: A Mechanistic and Computational Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 4366-4375.	13.7	92
4	Computational Insights into the Central Role of Nonbonding Interactions in Modern Covalent Organocatalysis. <i>Accounts of Chemical Research</i> , 2016, 49, 1279-1291.	15.6	56
5	Isothiourea $\pi$ -Catalyzed Atropselective Acylation of Biaryl Phenols via Sequential Desymmetrization/Kinetic Resolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7897-7905.	13.8	47
6	A C=O $\pi$ - $\pi$ -Isothiuronium Interaction Dictates Enantiodiscrimination in Acylative Kinetic Resolutions of Tertiary Heterocyclic Alcohols. <i>Angewandte Chemie</i> , 2018, 130, 3254-3260.	2.0	43
7	Catalytic enantioselective synthesis of perfluoroalkyl-substituted $\beta$ -lactones <i>via</i> a concerted asynchronous [2 + 2] cycloaddition: a synthetic and computational study. <i>Chemical Science</i> , 2019, 10, 6162-6173.	7.4	40
8	A Carbene Catalysis Strategy for the Synthesis of Protoilludane Natural Products. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9864-9867.	13.8	32
9	Catalyst selective and regiodivergent O- to C- or N-carboxyl transfer of pyrazolyl carbonates: synthetic and computational studies. <i>Chemical Science</i> , 2014, 5, 3651.	7.4	27
10	Formation of Aza- <i>ortho</i> -quinone Methides Under Room Temperature Conditions: Cs <sub>2</sub> CO <sub>3</sub> Effect. <i>Journal of Organic Chemistry</i> , 2017, 82, 7183-7189.	3.2	25
11	A Cooperative Ternary Catalysis System for Asymmetric Lactonizations of $\beta$ -ketoesters. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3713-3719.	4.3	15
12	Evaluating Computational and Structural Approaches to Predict Transformation Products of Polycyclic Aromatic Hydrocarbons. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1595-1607.	10.0	15
13	Isothiourea $\pi$ -Catalyzed Atropselective Acylation of Biaryl Phenols via Sequential Desymmetrization/Kinetic Resolution. <i>Angewandte Chemie</i> , 2020, 132, 7971-7979.	2.0	13
14	A Carbene Catalysis Strategy for the Synthesis of Protoilludane Natural Products. <i>Angewandte Chemie</i> , 2017, 129, 9996-9999.	2.0	10
15	Mechanism and origins of selectivity in the enantioselective oxa-Pictet-Spengler reaction: a cooperative catalytic complex from a hydrogen bond donor and chiral phosphoric acid. <i>Chemical Science</i> , 2020, 11, 8736-8743.	7.4	9
16	Scope, Limitations and Mechanistic Analysis of the HyperBTM $\pi$ -Catalyzed Acylative Kinetic Resolution of Tertiary Heterocyclic Alcohols**. <i>European Journal of Organic Chemistry</i> , 2022, 2022, e202101111.	2.4	4