

# Patrick H Willoughby

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/78018/publications.pdf>

Version: 2024-02-01

15  
papers

1,273  
citations

840776

11  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1445  
citing authors

#	ARTICLE	IF	CITATIONS
1	The hexadehydro-Diels-Alder reaction. <i>Nature</i> , 2012, 490, 208-212.	27.8	376
2	A guide to small-molecule structure assignment through computation of ( <sup>1</sup> H and <sup>13</sup> C) NMR chemical shifts. <i>Nature Protocols</i> , 2014, 9, 643-660.	12.0	334
3	Alkane desaturation by concerted double hydrogen atom transfer to benzyne. <i>Nature</i> , 2013, 501, 531-534.	27.8	135
4	The Importance of 1,5-Oxygen...Chalcogen Interactions in Enantioselective Isochalcogenourea Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3705-3710.	13.8	115
5	Addendum: A guide to small-molecule structure assignment through computation of ( <sup>1</sup> H and <sup>13</sup> C) NMR chemical shifts. <i>Nature Protocols</i> , 2020, 15, 2277-2277.	12.0	65
6	Mechanism of the Reactions of Alcohols with <i>o</i> -Benzynes. <i>Journal of the American Chemical Society</i> , 2014, 136, 13657-13665.	13.7	61
7	Synthesis of complex benzenoids via the intermediate generation of <i>o</i> -benzynes through the hexadehydro-Diels-Alder reaction. <i>Nature Protocols</i> , 2013, 8, 501-508.	12.0	55
8	The Importance of 1,5-Oxygen...Chalcogen Interactions in Enantioselective Isochalcogenourea Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 3734-3739.	2.0	41
9	BF <sub>3</sub> -Promoted, Carbene-like, C-H Insertion Reactions of Benzynes. <i>Journal of the American Chemical Society</i> , 2018, 140, 15616-15620.	13.7	31
10	Decarboxylative Isomerization of N-Acyl-2-oxazolidinones to 2-Oxazolines. <i>Journal of Organic Chemistry</i> , 2008, 73, 3292-3294.	3.2	13
11	Synthesis of N,O-acetals by net amide C-N bond insertion of aldehydes into N-acyl phthalimides and N-acyl azoles. <i>Tetrahedron</i> , 2016, 72, 6397-6408.	1.9	13
12	Scalable and Selective <sup>13</sup> C-Hydroxy- <sup>15</sup> N-Amino Acid Synthesis Catalyzed by Promiscuous <i>Threonine</i> Transaldolase ObiH. <i>ChemBioChem</i> , 2022, 23, e202100577.	2.6	12
13	The Aryne-Abramov Reaction as a 1,2-Benzdiyne Platform for the Generation and Solvent-Dependent Trapping of 3-Phosphonyl Benzynes. <i>Journal of Organic Chemistry</i> , 2021, 86, 10724-10746.	3.2	10
14	Simple and Versatile Protocol for Preparing Self-Healing Poly(vinyl alcohol) Hydrogels. <i>Journal of Chemical Education</i> , 2019, 96, 2247-2252.	2.3	9
15	On the heat of formation of nitromethane. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 747-757.	1.9	3