

# Matthew J Byrne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1490673/publications.pdf>

Version: 2024-02-01

11  
papers

271  
citations

1464605

7  
h-index

1427216

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

567  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Replicating Viral Vector Greatly Enhances Accumulation of Helical Virus-Like Particles in Plants. <i>Viruses</i> , 2021, 13, 885.	1.5	15
2	Cryo-EM structures of an insecticidal Bt toxin reveal its mechanism of action on the membrane. <i>Nature Communications</i> , 2021, 12, 2791.	5.8	28
3	The structure of a plant-specific partitivirus capsid reveals a unique coat protein domain architecture with an intrinsically disordered protrusion. <i>Communications Biology</i> , 2021, 4, 1155.	2.0	11
4	Structure and mechanism of a dehydratase/decarboxylase enzyme couple involved in polyketide $\beta^2$ -methyl branch incorporation. <i>Scientific Reports</i> , 2020, 10, 15323.	1.6	3
5	Nek7 conformational flexibility and inhibitor binding probed through protein engineering of the R-spine. <i>Biochemical Journal</i> , 2020, 477, 1525-1539.	1.7	12
6	Combining Transient Expression and Cryo-EM to Obtain High-Resolution Structures of Luteovirid Particles. <i>Structure</i> , 2019, 27, 1761-1770.e3.	1.6	23
7	A Natural Diels-Alder Biocatalyst Enables Efficient [4+2] Cycloaddition Under Harsh Reaction Conditions. <i>ChemCatChem</i> , 2019, 11, 5027-5031.	1.8	5
8	An Esterase-like Lyase Catalyzes Acetate Elimination in Spirotetronate/Spirotetramate Biosynthesis. <i>Angewandte Chemie</i> , 2019, 131, 2327-2331.	1.6	6
9	An Esterase-like Lyase Catalyzes Acetate Elimination in Spirotetronate/Spirotetramate Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2305-2309.	7.2	12
10	Affimer reagents as tools in diagnosing plant virus diseases. <i>Scientific Reports</i> , 2019, 9, 7524.	1.6	10
11	The Catalytic Mechanism of a Natural Diels-Alderase Revealed in Molecular Detail. <i>Journal of the American Chemical Society</i> , 2016, 138, 6095-6098.	6.6	146