

# Matthew Michael Heberling

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

8

papers

248

citations

7

h-index

9

g-index

9

ext. papers

267

ext. citations

7.3

avg, IF

2.61

L-index

#	Paper	IF	Citations
8	Priming ammonia lyases and aminomutases for industrial and therapeutic applications. <i>Current Opinion in Chemical Biology</i> , <b>2013</b> , 17, 250-60	9.7	77
7	Mechanism-inspired engineering of phenylalanine aminomutase for enhanced $\beta$ regioselective asymmetric amination of cinnamates. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 482-6	16.4	46
6	Aminomutases: mechanistic diversity, biotechnological applications and future perspectives. <i>Trends in Biotechnology</i> , <b>2011</b> , 29, 352-62	15.1	40
5	Redesign of a Phenylalanine Aminomutase into a Phenylalanine Ammonia Lyase. <i>ChemCatChem</i> , <b>2013</b> , 5, 1797-1802	5.2	24
4	DARPin-Based Crystallization Chaperones Exploit Molecular Geometry as a Screening Dimension in Protein Crystallography. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 1574-88	6.5	24
3	Ironing out their differences: dissecting the structural determinants of a phenylalanine aminomutase and ammonia lyase. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 989-97	4.9	21
2	Mechanism-Inspired Engineering of Phenylalanine Aminomutase for Enhanced $\beta$ Regioselective Asymmetric Amination of Cinnamates. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 497-501	3.6	14
1	Metabolism of $\beta$ valine via a CoA-dependent ammonia lyase pathway. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 8987-98	5.7	2