

# Tim Cernak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/194516/publications.pdf>

Version: 2024-02-01

17  
papers

2,597  
citations

687363

13  
h-index

888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2999  
citing authors

#	ARTICLE	IF	CITATIONS
1	The medicinal chemist's toolbox for late stage functionalization of drug-like molecules. <i>Chemical Society Reviews</i> , 2016, 45, 546-576.	38.1	1,243
2	Nanomole-scale high-throughput chemistry for the synthesis of complex molecules. <i>Science</i> , 2015, 347, 49-53.	12.6	454
3	Chemistry informer libraries: a chemoinformatics enabled approach to evaluate and advance synthetic methods. <i>Chemical Science</i> , 2016, 7, 2604-2613.	7.4	158
4	Nanoscale synthesis and affinity ranking. <i>Nature</i> , 2018, 557, 228-232.	27.8	138
5	Mapping the dark space of chemical reactions with extended nanomole synthesis and MALDI-TOF MS. <i>Science</i> , 2018, 361, .	12.6	126
6	Pharmaceutical diversification via palladium oxidative addition complexes. <i>Science</i> , 2019, 363, 405-408.	12.6	112
7	Automation and computer-assisted planning for chemical synthesis. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	83
8	A map of the amine-carboxylic acid coupling system. <i>Nature</i> , 2020, 580, 71-75.	27.8	67
9	Microscale High-Throughput Experimentation as an Enabling Technology in Drug Discovery: Application in the Discovery of (Piperidinyl)pyridinyl-1 <i>H</i> -benzimidazole Diacylglycerol Acyltransferase 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3594-3605.	6.4	65
10	Ultrahigh-Throughput Experimentation for Information-Rich Chemical Synthesis. <i>Accounts of Chemical Research</i> , 2021, 54, 2337-2346.	15.6	40
11	Reaction miniaturization in eco-friendly solvents. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 11, 91-98.	5.9	21
12	Predicting reaction conditions from limited data through active transfer learning. <i>Chemical Science</i> , 2022, 13, 6655-6668.	7.4	21
13	The Formal Cross-Coupling of Amines and Carboxylic Acids to Form $sp^3-sp^3$ Carbon-Carbon Bonds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27293-27298.	13.8	20
14	Reinforcing the supply chain of umifenovir and other antiviral drugs with retrosynthetic software. <i>Nature Communications</i> , 2021, 12, 7327.	12.8	11
15	Synthesis in the Chemical Space Age. <i>CheM</i> , 2016, 1, 6-9.	11.7	8
16	The Formal Cross-Coupling of Amines and Carboxylic Acids to Form $sp^3-sp^3$ Carbon-Carbon Bonds. <i>Angewandte Chemie</i> , 0, , .	2.0	6
17	Development of indazole mineralocorticoid receptor antagonists and investigation into their selective late-stage functionalization. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1854-1858.	2.2	5