

# Nicholas E S Tay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4341575/publications.pdf>

Version: 2024-02-01

11  
papers

1,502  
citations

933447

10  
h-index

1281871

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-selective arene C-H amination via photoredox catalysis. <i>Science</i> , 2015, 349, 1326-1330.	12.6	712
2	Photons or Electrons? A Critical Comparison of Electrochemistry and Photoredox Catalysis for Organic Synthesis. <i>Chemical Reviews</i> , 2022, 122, 2487-2649.	47.7	210
3	Cation Radical Accelerated Nucleophilic Aromatic Substitution via Organic Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 16100-16104.	13.7	168
4	Direct arene C-H fluorination with $^{18}\text{F}$ via organic photoredox catalysis. <i>Science</i> , 2019, 364, 1170-1174.	12.6	120
5	Development of a Platform for Near-Infrared Photoredox Catalysis. <i>ACS Central Science</i> , 2020, 6, 2053-2059.	11.3	95
6	$^{19}\text{F}$ - and $^{18}\text{F}$ -arene deoxyfluorination via organic photoredox-catalysed polarity-reversed nucleophilic aromatic substitution. <i>Nature Catalysis</i> , 2020, 3, 734-742.	34.4	53
7	Development of optimized drug-like small molecule inhibitors of the SARS-CoV-2 3CL protease for treatment of COVID-19. <i>Nature Communications</i> , 2022, 13, 1891.	12.8	45
8	Regioselective Synthesis of Benzimidazolones via Cascade C-N Coupling of Monosubstituted Ureas. <i>Organic Letters</i> , 2014, 16, 3844-3846.	4.6	27
9	Inhibitors of Coronavirus 3CL Proteases Protect Cells from Protease-Mediated Cytotoxicity. <i>Journal of Virology</i> , 2021, 95, e0237420.	3.4	27
10	Arene radiofluorination enabled by photoredox-mediated halide interconversion. <i>Nature Chemistry</i> , 2022, 14, 216-223.	13.6	25
11	Tuning the Electrochemical and Photophysical Properties of Osmium-Based Photoredox Catalysts. <i>Synlett</i> , 2022, 33, 247-258.	1.8	10