

# Chayasith Uttamapinant

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7235430/publications.pdf>

Version: 2024-02-01

23  
papers

2,549  
citations

430874

18  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical validation of a Cas13-based assay for the detection of SARS-CoV-2 RNA. <i>Nature Biomedical Engineering</i> , 2020, 4, 1140-1149.	22.5	442
2	Total synthesis of <i>Escherichia coli</i> with a recoded genome. <i>Nature</i> , 2019, 569, 514-518.	27.8	346
3	Fast, Cell-Compatible Click Chemistry with Copper-Chelating Azides for Biomolecular Labeling. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5852-5856.	13.8	281
4	A fluorophore ligase for site-specific protein labeling inside living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10914-10919.	7.1	268
5	Efficient Multisite Unnatural Amino Acid Incorporation in Mammalian Cells via Optimized Pyrrolysyl tRNA Synthetase/tRNA Expression and Engineered eRF1. <i>Journal of the American Chemical Society</i> , 2014, 136, 15577-15583.	13.7	216
6	Genetic Code Expansion Enables Live-Cell and Super-Resolution Imaging of Site-Specifically Labeled Cellular Proteins. <i>Journal of the American Chemical Society</i> , 2015, 137, 4602-4605.	13.7	152
7	Genetic Encoding of Photocaged Cysteine Allows Photoactivation of TEV Protease in Live Mammalian Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 2240-2243.	13.7	136
8	Fluorophore Targeting to Cellular Proteins via Enzyme-Mediated Azide Ligation and Strain-Promoted Cycloaddition. <i>Journal of the American Chemical Society</i> , 2012, 134, 3720-3728.	13.7	114
9	A Mechanical Switch Couples T Cell Receptor Triggering to the Cytoplasmic Juxtamembrane Regions of CD3 $\zeta$ . <i>Immunity</i> , 2015, 43, 227-239.	14.3	107
10	Site-specific protein labeling using PRIME and chelation-assisted click chemistry. <i>Nature Protocols</i> , 2013, 8, 1620-1634.	12.0	84
11	Controlling orthogonal ribosome subunit interactions enables evolution of new function. <i>Nature</i> , 2018, 564, 444-448.	27.8	79
12	The Dopamine Transporter Recycles via a Retromer-Dependent Postendocytic Mechanism: Tracking Studies Using a Novel Fluorophore-Coupling Approach. <i>Journal of Neuroscience</i> , 2017, 37, 9438-9452.	3.6	52
13	Synthesis of 7-Aminocoumarin by Buchwald-Hartwig Cross Coupling for Specific Protein Labeling in Living Cells. <i>ChemBioChem</i> , 2011, 12, 65-70.	2.6	48
14	Alt-RPL36 downregulates the PI3K-AKT-mTOR signaling pathway by interacting with TMEM24. <i>Nature Communications</i> , 2021, 12, 508.	12.8	32
15	A conformational sensor based on genetic code expansion reveals an autocatalytic component in EGFR activation. <i>Nature Communications</i> , 2018, 9, 3847.	12.8	29
16	A Concise Synthesis of $\epsilon$ -Fluoro Nucleosides. <i>Organic Letters</i> , 2007, 9, 5007-5009.	4.6	28
17	Combined Spatial Limitation around Residues 16 and 108 of <i>Plasmodium falciparum</i> Dihydrofolate Reductase Explains Resistance to Cycloguanil. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3928-3935.	3.2	27
18	Discovery and Genetic Code Expansion of a Polyethylene Terephthalate (PET) Hydrolase from the Human Saliva Metagenome for the Degradation and Biofunctionalization of PET. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24

#	ARTICLE	IF	CITATIONS
19	A Genetic Code Expansionâ€Derived Molecular Beacon for the Detection of Intracellular Amyloidâ€² Peptide Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3934-3939.	13.8	7
20	Visualizing the complexity of proteins in living cells with genetic code expansion. <i>Current Opinion in Chemical Biology</i> , 2022, 66, 102108.	6.1	5
21	Molecular probes for cellular imaging of post-translational proteoforms. <i>RSC Chemical Biology</i> , 2022, 3, 201-219.	4.1	4
22	Discovery and Genetic Code Expansion of a Polyethylene Terephthalate (PET) Hydrolase from the Human Saliva Metagenome for the Degradation and Bioâ€Functionalization of PET. <i>Angewandte Chemie</i> , 0, , .	2.0	2
23	A Genetic Code Expansionâ€Derived Molecular Beacon for the Detection of Intracellular Amyloidâ€² Peptide Generation. <i>Angewandte Chemie</i> , 2021, 133, 3980-3985.	2.0	0