

Jeffery M Tharp

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3526570/publications.pdf>

Version: 2024-02-01

20
papers

820
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrrolysyl-tRNA synthetase: An ordinary enzyme but an outstanding genetic code expansion tool. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1059-1070.	2.3	327
2	A Genetically Encoded, Phage-Displayed Cyclic Peptide Library. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15904-15909.	13.8	64
3	Expanding the chemical diversity of lasso peptide MccJ25 with genetically encoded noncanonical amino acids. <i>Chemical Communications</i> , 2015, 51, 409-412.	4.1	58
4	Initiation of Protein Synthesis with Non-Canonical Amino Acids In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3122-3126.	13.8	43
5	Developmental plasticity of thermal tolerances in temperate and subtropical populations of <i>Drosophila melanogaster</i> . <i>Journal of Thermal Biology</i> , 2012, 37, 211-216.	2.5	42
6	tRNA ^{Pyl} : Structure, function, and applications. <i>RNA Biology</i> , 2018, 15, 441-452.	3.1	42
7	Genetic Encoding of Three Distinct Noncanonical Amino Acids Using Reprogrammed Initiator and Nonsense Codons. <i>ACS Chemical Biology</i> , 2021, 16, 766-774.	3.4	39
8	A Genetically Encoded Allysine for the Synthesis of Proteins with Site-Specific Lysine Dimethylation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 212-216.	13.8	38
9	Genetic Incorporation of Seven <i>ortho</i> -Substituted Phenylalanine Derivatives. <i>ACS Chemical Biology</i> , 2014, 9, 884-890.	3.4	37
10	An amber obligate active site-directed ligand evolution technique for phage display. <i>Nature Communications</i> , 2020, 11, 1392.	12.8	25
11	Genetically encoded fluorophenylalanines enable insights into the recognition of lysine trimethylation by an epigenetic reader. <i>Chemical Communications</i> , 2016, 52, 12606-12609.	4.1	23
12	Hijacking Translation Initiation for Synthetic Biology. <i>ChemBioChem</i> , 2020, 21, 1387-1396.	2.6	18
13	Engineering aminoacyl-tRNA synthetases for use in synthetic biology. <i>The Enzymes</i> , 2020, 48, 351-395.	1.7	16
14	Directed Evolution of <i>Methanomethylophilus alvus</i> Pyrrolysyl-tRNA Synthetase Generates a Hyperactive and Highly Selective Variant. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 850613.	3.5	16
15	A Genetically Encoded, Phage-Displayed Cyclic Peptide Library. <i>Angewandte Chemie</i> , 2019, 131, 16051-16056.	2.0	9
16	Using Amber and Ochre Nonsense Codons to Code Two Different Noncanonical Amino Acids in One Protein Gene. <i>Methods in Molecular Biology</i> , 2018, 1728, 147-154.	0.9	6
17	Initiation of Protein Synthesis with Non-Canonical Amino Acids In Vivo. <i>Angewandte Chemie</i> , 2020, 132, 3146-3150.	2.0	6
18	The ω -Clamp Offers a New Strategy for Site-Selective Protein Modification. <i>ChemBioChem</i> , 2016, 17, 883-885.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Initiating protein synthesis with noncanonical monomers in vitro and in vivo. <i>Methods in Enzymology</i> , 2021, 656, 495-519.	1.0	4
20	Synthetases pick up the PACE. <i>Nature Chemical Biology</i> , 2017, 13, 1205-1206.	8.0	1