

# 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  | Directed Evolution of Methanomethylophilus alvus Pyrrolysyl-tRNA Synthetase Generates a Hyperactive and Highly Selective Variant. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 850613. | 3.5  | 16        |
| 2  | 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        |
| 3  | Initiating protein synthesis with noncanonical monomers in vitro and in vivo. <i>Methods in Enzymology</i> , 2021, 656, 495-519.   | 1.0  | 4         |
| 4  | Initiation of Protein Synthesis with Non-Canonical Amino Acids In Vivo. <i>Angewandte Chemie</i> , 2020, 132, 3146-3150.   | 2.0  | 6         |
| 5  | Initiation of Protein Synthesis with Non-Canonical Amino Acids In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3122-3126.  | 13.8 | 43        |
| 6  | Engineering aminoacyl-tRNA synthetases for use in synthetic biology. <i>The Enzymes</i> , 2020, 48, 351-395.   | 1.7  | 16        |
| 7  | An amber obligate active site-directed ligand evolution technique for phage display. <i>Nature Communications</i> , 2020, 11, 1392.  | 12.8 | 25        |
| 8  | Hijacking Translation Initiation for Synthetic Biology. <i>ChemBioChem</i> , 2020, 21, 1387-1396.  | 2.6  | 18        |
| 9  | A Genetically Encoded, Phage-Displayed Cyclic Peptide Library. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15904-15909.   | 13.8 | 64        |
| 10 | A Genetically Encoded, Phage-Displayed Cyclic Peptide Library. <i>Angewandte Chemie</i> , 2019, 131, 16051-16056.  | 2.0  | 9         |
| 11 | 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         |
| 12 | tRNA <sup>Pyl</sup> : Structure, function, and applications. <i>RNA Biology</i> , 2018, 15, 441-452.   | 3.1  | 42        |
| 13 | 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        |
| 14 | Synthetases pick up the PACE. <i>Nature Chemical Biology</i> , 2017, 13, 1205-1206.  | 8.0  | 1         |
| 15 | The $\epsilon$ -Clamp Offers a New Strategy for Site-Selective Protein Modification. <i>ChemBioChem</i> , 2016, 17, 883-885.   | 2.6  | 5         |
| 16 | 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        |
| 17 | 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        |
| 18 | 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       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Genetic Incorporation of Seven <i>ortho</i> -Substituted Phenylalanine Derivatives. <i>ACS Chemical Biology</i> , 2014, 9, 884-890.  | 3.4 | 37        |
| 20 | 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        |