

Tobias Baumann

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

414
citations

933447

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839539

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695
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Unnatural Protein Production by Pyrrolysyl-tRNA Synthetase With Genetically Fused Solubility Tags. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 807438.	4.1	6
2	Red, Orange, Green: Light- and Temperature-Dependent Color Tuning in a Cyanobacteriochrome. <i>Biochemistry</i> , 2020, 59, 509-519.	2.5	18
3	Expanding the Scope of Orthogonal Translation with Pyrrolysyl-tRNA Synthetases Dedicated to Aromatic Amino Acids. <i>Molecules</i> , 2020, 25, 4418.	3.8	10
4	Computational Aminoacyl-tRNA Synthetase Library Design for Photocaged Tyrosine. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2343.	4.1	31
5	Röntgenbeobachtung: Ortsaufgelöste Beobachtung von Schwingungsenergieübertragung durch ein genetisch codiertes ultraschnelles Heizelement (<i>Angew. Chem.</i> 9/2019). <i>Angewandte Chemie</i> , 2019, 131, 2932-2932.	2.0	0
6	rAAV Engineering for Capsid-Protein Enzyme Insertions and Mosaicism Reveals Resilience to Mutational, Structural and Thermal Perturbations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5702.	4.1	14
7	Ortsaufgelöste Beobachtung von Schwingungsenergieübertragung durch ein genetisch codiertes ultraschnelles Heizelement. <i>Angewandte Chemie</i> , 2019, 131, 2925-2930.	2.0	10
8	Site-Resolved Observation of Vibrational Energy Transfer Using a Genetically Encoded Ultrafast Heater. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2899-2903.	13.8	57
9	Engineering 'Golden' Fluorescence by Selective Pressure Incorporation of Non-canonical Amino Acids and Protein Analysis by Mass Spectrometry and Fluorescence. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	2
10	Antimicrobial Peptides Produced by Selective Pressure Incorporation of Non-canonical Amino Acids. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	7
11	Expanding the Genetic Code of <i>Lactococcus lactis</i> and <i>Escherichia coli</i> to Incorporate Non-canonical Amino Acids for Production of Modified Lantibiotics. <i>Frontiers in Microbiology</i> , 2018, 9, 657.	3.5	18
12	Discovery and Investigation of Natural Editing Function against Artificial Amino Acids in Protein Translation. <i>ACS Central Science</i> , 2017, 3, 73-80.	11.3	25
13	Photoactivatable Mussel-Based Underwater Adhesive Proteins by an Expanded Genetic Code. <i>ChemBioChem</i> , 2017, 18, 1819-1823.	2.6	67
14	Prospects of In vivo Incorporation of Non-canonical Amino Acids for the Chemical Diversification of Antimicrobial Peptides. <i>Frontiers in Microbiology</i> , 2017, 8, 124.	3.5	47
15	Orthogonal Protein Translation Using Pyrrolysyl-tRNA Synthetases for Single- and Multiple-Noncanonical Amino Acid Mutagenesis. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2016, 162, 1-19.	1.1	6
16	Analysis of Selected and Designed Chimeric D- and L-Helix Assemblies. <i>Biomacromolecules</i> , 2014, 15, 3296-3305.	5.4	3
17	Modular adeno-associated virus (rAAV) vectors used for cellular virus-directed enzyme prodrug therapy. <i>Scientific Reports</i> , 2014, 4, 3759.	3.3	28
18	Directional cloning of DNA fragments using deoxyinosine-containing oligonucleotides and endonuclease V. <i>BMC Biotechnology</i> , 2013, 13, 81.	3.3	7

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19	The sirtuin SIRT6 regulates stress granules formation in <i>C. elegans</i> and in mammals. <i>Journal of Cell Science</i> , 2013, 126, 5166-77.	2.0	58