List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Residue-Specific Exchange of Proline by Proline Analogs in Fluorescent Proteins: How "Molecular Surgery" of the Backbone Affects Folding and Stability. Journal of Visualized Experiments, 2022, , .	0.3	2
2	Targeted Codelivery of Prodigiosin and Simvastatin Using Smart BioMOF: Functionalization by Recombinant Anti-VEGFR1 scFv. Frontiers in Bioengineering and Biotechnology, 2022, 10, 866275.	4.1	3
3	Probing the spectral signatures of orange carotenoid protein by orthogonal translation with aromatic non-canonical amino acids. Biochemical and Biophysical Research Communications, 2022, 607, 96-102.	2.1	2
4	Characterization of Polymer Degrading Lipases, LIP1 and LIP2 From Pseudomonas chlororaphis PA23. Frontiers in Bioengineering and Biotechnology, 2022, 10, 854298.	4.1	11
5	Fineâ€Tuning Protein Selfâ€Organization by Orthogonal Chemoâ€Optogenetic Tools. Angewandte Chemie - International Edition, 2021, 60, 4501-4506.	13.8	12
6	Fineâ€Tuning Protein Selfâ€Organization by Orthogonal Chemoâ€Optogenetic Tools. Angewandte Chemie, 2021, 133, 4551-4556.	2.0	4
7	Multiomics Analysis Provides Insight into the Laboratory Evolution of <i>Escherichia coli</i> toward the Metabolic Usage of Fluorinated Indoles. ACS Central Science, 2021, 7, 81-92.	11.3	27
8	Courses Based on iGEM/BIOMOD Competitions Are the Ideal Format for Researchâ€Based Learning of Xenobiology. ChemBioChem, 2021, 22, 818-825.	2.6	5
9	Biochemistry of fluoroprolines: the prospect of making fluorine a bioelement. Beilstein Journal of Organic Chemistry, 2021, 17, 439-460.	2.2	15
10	Through bonds or contacts? Mapping protein vibrational energy transfer using non-canonical amino acids. Nature Communications, 2021, 12, 3284.	12.8	28
11	Local Electric Field Changes during the Photoconversion of the Bathy Phytochrome Agp2. Biochemistry, 2021, 60, 2967-2977.	2.5	10
12	Engineering Pyrrolysyl-tRNA Synthetase for the Incorporation of Non-Canonical Amino Acids with Smaller Side Chains. International Journal of Molecular Sciences, 2021, 22, 11194.	4.1	15
13	Remarkably high solvatochromism in the circular dichroism spectra of the polyproline-II conformation: limitations or new opportunities?. Physical Chemistry Chemical Physics, 2021, 23, 26931-26939.	2.8	3
14	Efficient Unnatural Protein Production by Pyrrolysyl-tRNA Synthetase With Genetically Fused Solubility Tags. Frontiers in Bioengineering and Biotechnology, 2021, 9, 807438.	4.1	6
15	Expanding the Scope of Orthogonal Translation with Pyrrolysyl-tRNA Synthetases Dedicated to Aromatic Amino Acids. Molecules, 2020, 25, 4418.	3.8	10
16	Conjugation of Synthetic Polyproline Moietes to Lipid II Binding Fragments of Nisin Yields Active and Stable Antimicrobials. Frontiers in Microbiology, 2020, 11, 575334.	3.5	9
17	An Engineered <i>Escherichia coli</i> Strain with Synthetic Metabolism for inâ€Cell Production of Translationally Active Methionine Derivatives. ChemBioChem, 2020, 21, 3525-3538.	2.6	16
18	Combating Antimicrobial Resistance With New-To-Nature Lanthipeptides Created by Genetic Code Expansion. Frontiers in Microbiology, 2020, 11, 590522.	3.5	15

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19	Xenobiology: A Journey towards Parallel Life Forms. ChemBioChem, 2020, 21, 2228-2231.	2.6	10
20	Discovery and Characterization of a New Cold-Active Protease From an Extremophilic Bacterium via Comparative Genome Analysis and in vitro Expression. Frontiers in Microbiology, 2020, 11, 881.	3.5	20
21	Synthesis of New Aza―and Thiaâ€Crown Ether Based Amino Acids. ChemistrySelect, 2020, 5, 2854-2857.	1.5	5
22	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. Nature Nanotechnology, 2020, 15, 373-379.	31.5	96
23	Anticipating alien cells with alternative genetic codes: away from the alanine world!. Current Opinion in Biotechnology, 2019, 60, 242-249.	6.6	23
24	The Alanine World Model for the Development of the Amino Acid Repertoire in Protein Biosynthesis. International Journal of Molecular Sciences, 2019, 20, 5507.	4.1	23
25	Computational Aminoacyl-tRNA Synthetase Library Design for Photocaged Tyrosine. International Journal of Molecular Sciences, 2019, 20, 2343.	4.1	31
26	In-Cell Synthesis of Bioorthogonal Alkene Tag S-Allyl-Homocysteine and Its Coupling with Reprogrammed Translation. International Journal of Molecular Sciences, 2019, 20, 2299.	4.1	9
27	Expanding the DOPA Universe with Genetically Encoded, Musselâ€Inspired Bioadhesives for Material Sciences and Medicine. ChemBioChem, 2019, 20, 2163-2190.	2.6	28
28	Synthesis of a new metal chelating amino acid: Terpyridyl-alanine. Tetrahedron Letters, 2019, 60, 906-910.	1.4	7
29	Rücktitelbild: Ortsaufgelöste Beobachtung von Schwingungsenergietransfer durch ein genetisch codiertes ultraschnelles Heizelement (Angew. Chem. 9/2019). Angewandte Chemie, 2019, 131, 2932-2932.	2.0	0
30	Promotion of the collagen triple helix in a hydrophobic environment. Organic and Biomolecular Chemistry, 2019, 17, 2502-2507.	2.8	7
31	Bilayer thickness determines the alignment of model polyproline helices in lipid membranes. Physical Chemistry Chemical Physics, 2019, 21, 22396-22408.	2.8	7
32	OrtsaufgelĶste Beobachtung von Schwingungsenergietransfer durch ein genetisch codiertes ultraschnelles Heizelement. Angewandte Chemie, 2019, 131, 2925-2930.	2.0	10
33	Site-Specific Chemoselective Pyrrolysine Analogues Incorporation Using the Cell-Free Protein Synthesis System. ACS Synthetic Biology, 2019, 8, 381-390.	3.8	11
34	Alternative Biochemistries for Alien Life: Basic Concepts and Requirements for the Design of a Robust Biocontainment System in Genetic Isolation. Genes, 2019, 10, 17.	2.4	22
35	Siteâ€Resolved Observation of Vibrational Energy Transfer Using a Genetically Encoded Ultrafast Heater. Angewandte Chemie - International Edition, 2019, 58, 2899-2903.	13.8	57
36	Painting argyrins blue: Negishi cross-coupling for synthesis of deep-blue tryptophan analogue β-(1-azulenyl)-l alanine and its incorporation into argyrin C. Bioorganic and Medicinal Chemistry, 2018, 26, 5259-5269.	3.0	17

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37	Exploring hydrophobicity limits of polyproline helix with oligomeric octahydroindoleâ€2 arboxylic acid. Journal of Peptide Science, 2018, 24, e3076.	1.4	13
38	Transmembrane Polyproline Helix. Journal of Physical Chemistry Letters, 2018, 9, 2170-2174.	4.6	15
39	Self-Directed in Cell Production of Methionine Analogue Azidohomoalanine by Synthetic Metabolism and Its Incorporation into Model Proteins. Methods in Molecular Biology, 2018, 1728, 127-135.	0.9	7
40	Synthesis of a Photoâ€Caged DOPA Derivative by Selective Alkylation of 3,4â€Dihydroxybenzaldehyde. European Journal of Organic Chemistry, 2018, 2018, 2053-2063.	2.4	8
41	On universal coding events in protein biogenesis. BioSystems, 2018, 164, 16-25.	2.0	26
42	Comprehensive identification of proteins binding to RNA G-quadruplex motifs in the $5\hat{a}\in^2$ UTR of tumor-associated mRNAs. Biochimie, 2018, 144, 169-184.	2.6	41
43	Engineering 'Golden' Fluorescence by Selective Pressure Incorporation of Non-canonical Amino Acids and Protein Analysis by Mass Spectrometry and Fluorescence. Journal of Visualized Experiments, 2018, ,	0.3	2
44	Antimicrobial Peptides Produced by Selective Pressure Incorporation of Non-canonical Amino Acids. Journal of Visualized Experiments, 2018, , .	0.3	7
45	Expanding the Genetic Code of Lactococcus lactis and Escherichia coli to Incorporate Non-canonical Amino Acids for Production of Modified Lantibiotics. Frontiers in Microbiology, 2018, 9, 657.	3.5	18
46	Comparative effects of trifluoromethyl- and methyl-group substitutions in proline. New Journal of Chemistry, 2018, 42, 13461-13470.	2.8	17
47	Long-Range Modulations of Electric Fields in Proteins. Journal of Physical Chemistry B, 2018, 122, 8330-8342.	2.6	30
48	Biocatalysis with Unnatural Amino Acids: Enzymology Meets Xenobiology. Angewandte Chemie - International Edition, 2017, 56, 9680-9703.	13.8	164
49	Biokatalyse mit nichtâ€natürlichen Aminosären: Enzymologie trifft Xenobiologie. Angewandte Chemie, 2017, 129, 9810-9835.	2.0	33
50	Coupling genetic code expansion and metabolic engineering for synthetic cells. Current Opinion in Biotechnology, 2017, 48, 1-7.	6.6	50
51	An expanded genetic code for probing the role of electrostatics in enzyme catalysis by vibrational Stark spectroscopy. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3053-3059.	2.4	11
52	The Regioselective Synthesis of o-Nitrobenzyl DOPA Derivatives. Synthesis, 2017, 49, 2691-2699.	2.3	11
53	Peptidyl-Prolyl Model Study: How Does the Electronic Effect Influence the Amide Bond Conformation?. Journal of Organic Chemistry, 2017, 82, 8831-8841.	3.2	36
54	Xenobiology: State-of-the-Art, Ethics, and Philosophy of New-to-Nature Organisms. Advances in Biochemical Engineering/Biotechnology, 2017, 162, 301-315.	1.1	14

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55	Broad substrate tolerance of tubulin tyrosine ligase enables one-step site-specific enzymatic protein labeling. Chemical Science, 2017, 8, 3471-3478.	7.4	31
56	Discovery and Investigation of Natural Editing Function against Artificial Amino Acids in Protein Translation. ACS Central Science, 2017, 3, 73-80.	11.3	25
57	Construction of a polyproline structure with hydrophobic exterior using octahydroindole-2-carboxylic acid. Organic and Biomolecular Chemistry, 2017, 15, 619-627.	2.8	23
58	Frontispiece: Selective <sup>19</sup> F‣abeling of Functionalized Carboxylic Acids with Difluoromethyl Diazomethane (CF <sub>2</sub> HCHN <sub>2</sub> ). Chemistry - A European Journal, 2017, 23, .	3.3	0
59	Amide rotation trajectories probed by symmetry. Organic and Biomolecular Chemistry, 2017, 15, 6764-6772.	2.8	12
60	Synthetic alienation of microbial organisms by using genetic code engineering: Why and how?. Biotechnology Journal, 2017, 12, 1600097.	3.5	23
61	Selective <sup>19</sup> F‣abeling of Functionalized Carboxylic Acids with Difluoromethyl Diazomethane (CF <sub>2</sub> HCHN <sub>2</sub> ). Chemistry - A European Journal, 2017, 23, 13279-13283.	3.3	22
62	Deciphering the Fluorine Code—The Many Hats Fluorine Wears in a Protein Environment. Accounts of Chemical Research, 2017, 50, 2093-2103.	15.6	125
63	Global substitution of hemeproteins with noncanonical amino acids in Escherichia coli with intact cofactor maturation machinery. Enzyme and Microbial Technology, 2017, 106, 55-59.	3.2	3
64	Photoactivatable Musselâ€Based Underwater Adhesive Proteins by an Expanded Genetic Code. ChemBioChem, 2017, 18, 1819-1823.	2.6	67
65	Design of <i>S</i> â€Allylcysteine in Situ Production and Incorporation Based on a Novel Pyrrolysylâ€ŧRNA Synthetase Variant. ChemBioChem, 2017, 18, 85-90.	2.6	42
66	Prospects of In vivo Incorporation of Non-canonical Amino Acids for the Chemical Diversification of Antimicrobial Peptides. Frontiers in Microbiology, 2017, 8, 124.	3.5	47
67	Hydrolysis, polarity, and conformational impact of C-terminal partially fluorinated ethyl esters in peptide models. Beilstein Journal of Organic Chemistry, 2017, 13, 2442-2457.	2.2	14
68	<i>cis</i> – <i>trans</i> -Amide isomerism of the 3,4-dehydroproline residue, the â€`unpuckered' proline. Beilstein Journal of Organic Chemistry, 2016, 12, 589-593.	2.2	13
69	Incorporation of Amino Acids with Long-Chain Terminal Olefins into Proteins. Molecules, 2016, 21, 287.	3.8	10
70	Discharging tRNAs: a tug of war between translation and detoxification in <i>Escherichia coli</i> . Nucleic Acids Research, 2016, 44, 8324-8334.	14.5	46
71	Towards Biocontained Cell Factories: An Evolutionarily Adapted Escherichia coliStrain Produces a New-to-nature Bioactive Lantibiotic ContainingThienopyrrole-Alanine. Scientific Reports, 2016, 6, 33447.	3.3	31
72	Eintopfsynthese ungeschützter anomerer Glykosylthiole in Wasser für Glykan‣igationen mit hochfunktionalisierten Zuckern. Angewandte Chemie, 2016, 128, 15736-15740.	2.0	7

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73	Energetic contribution to both acidity and conformational stability in peptide models. New Journal of Chemistry, 2016, 40, 5209-5220.	2.8	28
74	The New Worlds of Synthetic Biology—Synopsis. Wissenschaftsethik Und Technikfolgenbeurteilung, 2016, , 1-25.	1.0	0
75	Design and Application of Autofluorescent Proteins by Biological Incorporation of Intrinsically Fluorescent Noncanonical Amino Acids. , 2016, , 89-123.		0
76	Xenomicrobiology: a roadmap for genetic code engineering. Microbial Biotechnology, 2016, 9, 666-676.	4.2	47
77	Oneâ€Pot Synthesis of Unprotected Anomeric Glycosyl Thiols in Water for Glycan Ligation Reactions with Highly Functionalized Sugars. Angewandte Chemie - International Edition, 2016, 55, 15510-15514.	13.8	40
78	Photochemical formation of quinone methides from peptides containing modified tyrosine. Organic and Biomolecular Chemistry, 2016, 14, 10894-10905.	2.8	6
79	Orthogonal Protein Translation Using Pyrrolysyl-tRNA Synthetases for Single- and Multiple-Noncanonical Amino Acid Mutagenesis. Advances in Biochemical Engineering/Biotechnology, 2016, 162, 1-19.	1.1	6
80	Residue-specific Incorporation of Noncanonical Amino Acids into Model Proteins Using an <em>Escherichia coli</em> Cell-free Transcription-translation System. Journal of Visualized Experiments, 2016, , .	0.3	8
81	Synthetic Biology: Diverse Layers of Live. Wissenschaftsethik Und Technikfolgenbeurteilung, 2016, , 27-50.	1.0	2
82	Towards Reassignment of the Methionine Codon AUG to Two Different Noncanonical Amino Acids in Bacterial Translation. Croatica Chemica Acta, 2016, 89, .	0.4	11
83	Design of Orthogonal Pairs for Protein Translation: Selection Systems for Genetically Encoding Noncanonical Amino Acids in E. coli. Springer Protocols, 2015, , 71-82.	0.3	1
84	Chemical Evolution of a Bacterial Proteome. Angewandte Chemie - International Edition, 2015, 54, 10030-10034.	13.8	71
85	Toward intrinsically colored peptides: Synthesis and investigation of the spectral properties of methylated azatryptophans in tryptophanâ€cage mutants. Biopolymers, 2015, 104, 585-600.	2.4	4
86	Orthogonal dual-modification of proteins for the engineering of multivalent protein scaffolds. Beilstein Journal of Organic Chemistry, 2015, 11, 784-791.	2.2	13
87	Site-specific conjugation of 8-ethynyl-BODIPY to a protein by [2 + 3] cycloaddition. Organic and Biomolecular Chemistry, 2015, 13, 6728-6736.	2.8	13
88	Strategy for Enhancement of <sup>13</sup> C-Photo-CIDNP NMR Spectra by Exploiting Fractional <sup>13</sup> C-Labeling of Tryptophan. Journal of Physical Chemistry B, 2015, 119, 13934-13943.	2.6	8
89	γ-(S)-Trifluoromethyl proline: evaluation as a structural substitute of proline for solid state 19F-NMR peptide studies. Organic and Biomolecular Chemistry, 2015, 13, 3171-3181.	2.8	56
90	Orthogonal Translation Meets Electron Transfer: In Vivo Labeling of Cytochrome <i>c</i> for Probing Local Electric Fields. ChemBioChem, 2015, 16, 742-745.	2.6	16

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91	Cell-free expression with the toxic amino acid canavanine. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3658-3660.	2.2	44
92	Dendronylation: Residue-specific chemoselective attachment of oligoglycerol dendrimers on proteins with noncanonical amino acids. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5247-5249.	2.2	5
93	Entropic Contribution of Elongation Factor P to Proline Positioning at the Catalytic Center of the Ribosome. Journal of the American Chemical Society, 2015, 137, 12997-13006.	13.7	88
94	Applying γâ€ <b>s</b> ubstituted Prolines in the <i>Foldon</i> Peptide: Polarity Contradicts Preorganization. ChemBioChem, 2015, 16, 403-406.	2.6	14
95	Siteâ€Directed and Global Incorporation of Orthogonal and Isostructural Noncanonical Amino Acids into the Ribosomal Lasso Peptide Capistruin. ChemBioChem, 2015, 16, 503-509.	2.6	42
96	Covalent Attachment of Cyclic TAT Peptides to GFP Results in Protein Delivery into Live Cells with Immediate Bioavailability. Angewandte Chemie - International Edition, 2015, 54, 1950-1953.	13.8	230
97	Sense codon emancipation for proteome-wide incorporation of noncanonical amino acids: rare isoleucine codon AUA as a target for genetic code expansion. FEMS Microbiology Letters, 2014, 351, 133-144.	1.8	41
98	Fluorine-Rich Planetary Environments as Possible Habitats for Life. Life, 2014, 4, 374-385.	2.4	19
99	Supercritical Carbon Dioxide and Its Potential as a Life-Sustaining Solvent in a Planetary Environment. Life, 2014, 4, 331-340.	2.4	88
100	Evolution of fluorinated enzymes: An emerging trend for biocatalyst stabilization. Engineering in Life Sciences, 2014, 14, 340-351.	3.6	23
101	Improved method to retain cytosolic reporter protein fluorescence while staining for nuclear proteins. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 621-627.	1.5	33
102	Secretion of recombinant archeal lipase mediated by SVP2 signal peptide in Escherichia coli and its optimization by response surface methodology. Protein Expression and Purification, 2014, 101, 84-90.	1.3	11
103	Coupling Bioorthogonal Chemistries with Artificial Metabolism: Intracellular Biosynthesis of Azidohomoalanine and Its Incorporation into Recombinant Proteins. Molecules, 2014, 19, 1004-1022.	3.8	48
104	Xenobiology, New-to-Nature Synthetic Cells and Genetic Firewall. Current Organic Chemistry, 2014, 18, 936-943.	1.6	31
105	Towards the Direct Measurement of Ultrafast Vibrational Energy Transfer in Proteins. , 2014, , .		0
106	Expanded genetic code for the engineering of ribosomally synthetized and post-translationally modified peptide natural products (RiPPs). Current Opinion in Biotechnology, 2013, 24, 591-598.	6.6	48
107	Obtention of enantiomerically pure 5,5,5-trifluoro-l-isoleucine and 5,5,5-trifluoro-l-alloisoleucine. Journal of Fluorine Chemistry, 2013, 156, 372-377.	1.7	7
108	Polyoxometalate-stabilized, water dispersible Fe2Pt magnetic nanoparticles. Nanoscale, 2013, 5, 2511.	5.6	20

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109	Biocatalytic synthesis of (2S)-5,5,5-trifluoroleucine and improved resolution into (2S,4S) and (2S,4R) diastereoisomers. Tetrahedron Letters, 2013, 54, 3662-3665.	1.4	6
110	Non-canonical amino acids as a useful synthetic biological tool for lipase-catalysed reactions in hostile environments. Catalysis Science and Technology, 2013, 3, 1198.	4.1	38
111	Directed Manipulation of a Flavoprotein Photocycle. Angewandte Chemie - International Edition, 2013, 52, 8463-8466.	13.8	6
112	Organic fluorine as a polypeptide building element: in vivo expression of fluorinated peptides, proteins and proteomes. Organic and Biomolecular Chemistry, 2012, 10, 7241.	2.8	64
113	Recent advances in genetic code engineering in Escherichia coli. Current Opinion in Biotechnology, 2012, 23, 751-757.	6.6	101
114	Design of protein congeners containing β-cyclopropylalanine. Molecular BioSystems, 2012, 8, 2719.	2.9	4
115	Congeneric bio-adhesive mussel foot proteins designed by modified prolines revealed a chiral bias in unnatural translation. Biochemical and Biophysical Research Communications, 2012, 421, 646-650.	2.1	18
116	Evaluation and biosynthetic incorporation of chlorotyrosine into recombinant proteins. Biotechnology and Bioprocess Engineering, 2012, 17, 679-686.	2.6	14
117	Performance Analysis of Orthogonal Pairs Designed for an Expanded Eukaryotic Genetic Code. PLoS ONE, 2012, 7, e31992.	2.5	51
118	Evaluation of bicinchoninic acid as a ligand for copper(i)-catalyzed azide–alkyne bioconjugations. Organic and Biomolecular Chemistry, 2012, 10, 6629.	2.8	7
119	Site-selective modification of proteins for the synthesis of structurally defined multivalent scaffolds. Chemical Communications, 2012, 48, 522-524.	4.1	35
120	Congeneric Lantibiotics from Ribosomal In Vivo Peptide Synthesis with Noncanonical Amino Acids. Angewandte Chemie - International Edition, 2012, 51, 415-418.	13.8	78
121	Genetically Encoded Photocrosslinkers as Molecular Probes To Study Gâ€Proteinâ€Coupled Receptors (GPCRs). Angewandte Chemie - International Edition, 2012, 51, 310-312.	13.8	15
122	Conjugation of Proteins by Installing BIO-Orthogonally Reactive Groups at Their N-Termini. PLoS ONE, 2012, 7, e46741.	2.5	18
123	Enhancing the thermal stability of a single-chain Fv fragment by in vivo global fluorination of the proline residues. Molecular BioSystems, 2011, 7, 258-265.	2.9	26
124	Bioconjugation of <scp>l</scp> -3,4-Dihydroxyphenylalanine Containing Protein with a Polysaccharide. Bioconjugate Chemistry, 2011, 22, 551-555.	3.6	49
125	Biochemie 2010. Nachrichten Aus Der Chemie, 2011, 59, 297-318.	0.0	0
126	Synthetic Biology of Autofluorescent Proteins. Springer Series on Fluorescence, 2011, , 99-130.	0.8	0

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127	Lipase Congeners Designed by Genetic Code Engineering. ChemCatChem, 2011, 3, 213-221.	3.7	65
128	In Vivo Incorporation of Multiple Noncanonical Amino Acids into Proteins. Angewandte Chemie - International Edition, 2011, 50, 2896-2902.	13.8	67
129	On the Road towards Chemically Modified Organisms Endowed with a Genetic Firewall. Angewandte Chemie - International Edition, 2011, 50, 6960-6962.	13.8	31
130	Expanding and Engineering the Genetic Code in a Single Expression Experiment. ChemBioChem, 2011, 12, 552-555.	2.6	24
131	Synthetic Biology of Protein Folding. ChemPhysChem, 2010, 11, 1181-1187.	2.1	43
132	Blue Fluorescent Amino Acids as In Vivo Building Blocks for Proteins. ChemBioChem, 2010, 11, 305-314.	2.6	32
133	Parallel Incorporation of Different Fluorinated Amino Acids: On the Way to "Teflon―Proteins. ChemBioChem, 2010, 11, 1505-1507.	2.6	56
134	Engineering Protein Sequence Composition for Folding Robustness Renders Efficient Noncanonical Amino acid Incorporations. ChemBioChem, 2010, 11, 2521-2524.	2.6	33
135	In Vivo Double and Triple Labeling of Proteins Using Synthetic Amino Acids. Angewandte Chemie - International Edition, 2010, 49, 5446-5450.	13.8	67
136	Azatryptophans as tools to study polarity requirements for folding of green fluorescent protein. Journal of Peptide Science, 2010, 16, 589-595.	1.4	16
137	Residue-specific global fluorination of Candida antarctica lipase B in Pichia pastoris. Molecular BioSystems, 2010, 6, 1630.	2.9	60
138	Engineering Green Fluorescent Proteins Using an Expanded Genetic Code. Reviews in Fluorescence, 2010, , 359-386.	0.5	1
139	Design of anti- and pro-aggregation variants to assess the effects of methionine oxidation in human prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7756-7761.	7.1	98
140	Fine Tuning the Nâ€Terminal Residue Excision with Methionine Analogues. ChemBioChem, 2009, 10, 217-220.	2.6	25
141	Protein Iodination by Click Chemistry. ChemBioChem, 2009, 10, 1149-1151.	2.6	9
142	Gold fluorescent annexin A5 as a novel apoptosis detection tool. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 626-633.	1.5	12
143	Expanding the genetic code of <i>Saccharomyces cerevisiae</i> with methionine analogues. Yeast, 2008, 25, 775-786.	1.7	21
144	Convenient syntheses of homopropargylglycine. Journal of Peptide Science, 2008, 14, 1148-1150.	1.4	11

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145	Efficient Nâ€Terminal Glycoconjugation of Proteins by the Nâ€End Rule. ChemBioChem, 2008, 9, 1220-1224.	2.6	32
146	Intracellular uptake and inhibitory activity of aromatic fluorinated amino acids in human breast cancer cells. ChemMedChem, 2008, 3, 1449-1456.	3.2	28
147	Photostability of green and yellow fluorescent proteins with fluorinated chromophores, investigated by fluorescence correlation spectroscopy. Biophysical Chemistry, 2008, 136, 38-43.	2.8	17
148	Proteins with $\hat{l}^2$ -(thienopyrrolyl)alanines as alternative chromophores and pharmaceutically active amino acids. Protein Science, 2008, 10, 1281-1292.	7.6	42
149	Molecular cloning and sequence analysis of a novel zinc-metalloprotease gene from the Salinivibrio sp. strain AF-2004 and its extracellular expression in E. coli. Gene, 2008, 408, 196-203.	2.2	28
150	Docking of tryptophan analogs to trytophanyl-tRNA synthetase: implications for non-canonical amino acid incorporations. Biological Chemistry, 2008, 389, 1173-1182.	2.5	9
151	Azatryptophans endow proteins with intrinsic blue fluorescence. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16095-16100.	7.1	82
152	Synthetic Biology of Proteins: Tuning GFPs Folding and Stability with Fluoroproline. PLoS ONE, 2008, 3, e1680.	2.5	96
153	In Vivo Chemoenzymatic Control of Nâ€Terminal Processing in Recombinant Human Epidermal Growth Factor. ChemBioChem, 2007, 8, 2227-2232.	2.6	13
154	Natural history and experimental evolution of the genetic code. Applied Microbiology and Biotechnology, 2007, 74, 739-753.	3.6	32
155	Aminotryptophan-containing barstar: Structure–function tradeoff in protein design and engineering with an expanded genetic code. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1147-1158.	2.3	28
156	In vivo engineering of proteins with nitrogen-containing tryptophan analogs. Applied Microbiology and Biotechnology, 2006, 73, 740-754.	3.6	21
157	Structural and Spectral Response ofAequorea victoriaGreen Fluorescent Proteins to Chromophore Fluorinationâ€. Biochemistry, 2005, 44, 3663-3672.	2.5	46
158	Prolegomena to Future Experimental Efforts on Genetic Code Engineering by Expanding Its Amino Acid Repertoire. ChemInform, 2005, 36, no.	0.0	0
159	Adding New Tools to the Arsenal of Expressed Protein Ligation. ChemInform, 2005, 36, no.	0.0	0
160	Peptidyl Prolylcis/trans-Isomerases:Â Comparative Reactivities of Cyclophilins, FK506-Binding Proteins, and Parvulins with Fluorinated Oligopeptide and Protein Substrates. Biochemistry, 2005, 44, 16026-16034.	2.5	55
161	Probing the role of tryptophans in Aequorea victoria green fluorescent proteins with an expanded genetic code. Biological Chemistry, 2004, 385, 191-202.	2.5	42
162	Prolegomena to Future Experimental Efforts on Genetic Code Engineering by Expanding Its Amino Acid Repertoire. Angewandte Chemie - International Edition, 2004, 43, 6426-6463.	13.8	243

#	Article	IF	CITATIONS
163	Efforts towards the Design of ?Teflon? Proteins:In vivo Translation with Trifluorinated Leucine and Methionine Analogues. Chemistry and Biodiversity, 2004, 1, 1465-1475.	2.1	38
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