

Zheng Xiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8582028/publications.pdf>

Version: 2024-02-01

16
papers

1,194
citations

623734

14
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

1231
citing authors

#	ARTICLE	IF	CITATIONS
1	RF1 knockout allows ribosomal incorporation of unnatural amino acids at multiple sites. <i>Nature Chemical Biology</i> , 2011, 7, 779-786.	8.0	286
2	Genetically Encoded Chemical Probes in Cells Reveal the Binding Path of Urocortin-I to CRF Class B GPCR. <i>Cell</i> , 2013, 155, 1258-1269.	28.9	159
3	Adding an unnatural covalent bond to proteins through proximity-enhanced bioreactivity. <i>Nature Methods</i> , 2013, 10, 885-888.	19.0	129
4	In Vivo Expression of a Light-Activatable Potassium Channel Using Unnatural Amino Acids. <i>Neuron</i> , 2013, 80, 358-370.	8.1	105
5	Proximity-Enabled Protein Crosslinking through Genetically Encoding Haloalkane Unnatural Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2190-2193.	13.8	94
6	Genetically Encoding an Electrophilic Amino Acid for Protein Stapling and Covalent Binding to Native Receptors. <i>ACS Chemical Biology</i> , 2014, 9, 1956-1961.	3.4	84
7	Expanding the Genetic Code of <i>Caenorhabditis elegans</i> Using Bacterial Aminoacyl-tRNA Synthetase/tRNA Pairs. <i>ACS Chemical Biology</i> , 2012, 7, 1292-1302.	3.4	80
8	Improving orthogonal tRNA-synthetase recognition for efficient unnatural amino acid incorporation and application in mammalian cells. <i>Molecular BioSystems</i> , 2009, 5, 931.	2.9	65
9	Genetically Encoding Unnatural Amino Acids in Neural Stem Cells and Optically Reporting Voltage-Sensitive Domain Changes in Differentiated Neurons. <i>Stem Cells</i> , 2011, 29, 1231-1240.	3.2	65
10	Activity-Based Genetically Encoded Fluorescent and Luminescent Probes for Detecting Formaldehyde in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16352-16356.	13.8	27
11	Esterification of an Unnatural Amino Acid Structurally Deviating from Canonical Amino Acids Promotes Its Uptake and Incorporation into Proteins in Mammalian Cells. <i>ChemBioChem</i> , 2010, 11, 2268-2272.	2.6	24
12	Enantiospecific Synthesis of Genetically Encodable Fluorescent Unnatural Amino Acid <i>l</i> -3-(6-Acetylnaphthalen-2-ylamino)-2-aminopropanoic Acid. <i>Journal of Organic Chemistry</i> , 2011, 76, 6367-6371.	3.2	18
13	Syntheses of Epoxyguaiane Sesquiterpenes (<i>â</i> ⁺)-Englerin A, (<i>â</i> ⁺)-Oxyphyllol, (+)-Orientalol E, and (+)-Orientalol F: A Synthetic Biology Approach. <i>Organic Letters</i> , 2020, 22, 1976-1979.	4.6	15
14	Syntheses of the Carotane-type Terpenoids (+)-Schisanwilsonene A and (+)-Tormesol via a Two-Stage Approach. <i>Organic Letters</i> , 2021, 23, 400-404.	4.6	14
15	Structural Basis for the Friedel-Crafts Alkylation in Cylindrocyclophane Biosynthesis. <i>ACS Catalysis</i> , 2022, 12, 2108-2117.	11.2	7
16	Activity-Based Genetically Encoded Fluorescent and Luminescent Probes for Detecting Formaldehyde in Living Cells. <i>Angewandte Chemie</i> , 2020, 132, 16494-16498.	2.0	4