Marina Rubini

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3880968/publications.pdf

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24	955	516681 16	580810 25
papers	citations	h-index	g-index

28	28	28	1047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expansion of the Genetic Code Enables Design of a Novel â€œGoldâ€•Class of Green Fluorescent Proteins. Journal of Molecular Biology, 2003, 328, 1071-1081.	4.2	205
2	Synthesis of Defined Ubiquitin Dimers. Journal of the American Chemical Society, 2010, 132, 16337-16339.	13.7	114
3	Global Replacement of Tryptophan with Aminotryptophans Generates Non-Invasive Protein-Based Optical pH Sensors. Angewandte Chemie - International Edition, 2002, 41, 4066-4069.	13.8	75
4	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
5	Smallâ€Moleculeâ€Dependent Regulation of Transfer RNA in Bacteria. Angewandte Chemie - International Edition, 2009, 48, 7564-7567.	13.8	42
6	Rational Design of Protein Stability: Effect of (2S,4R)-4-Fluoroproline on the Stability and Folding Pathway of Ubiquitin. PLoS ONE, 2011, 6, e19425.	2.5	42
7	Engineering of an Orthogonal Aminoacyl-tRNA Synthetase for Efficient Incorporation of the Non-natural Amino Acid O-Methyl-L-tyrosine using Fluorescence-based Bacterial Cell Sorting. Journal of Molecular Biology, 2010, 404, 70-87.	4.2	39
8	Generation of a Monoâ€ubiquitinated PCNA Mimic by Click Chemistry. ChemBioChem, 2011, 12, 2807-2812.	2.6	39
9	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
10	Site-Specifically-Labeled Antibodies for Super-Resolution Microscopy Reveal In Situ Linkage Errors. ACS Nano, 2021, 15, 12161-12170.	14.6	38
11	A Highly Active DNA Polymerase with a Fluorous Core. Angewandte Chemie - International Edition, 2010, 49, 1324-1327.	13.8	35
12	Bio-orthogonal Immobilization of Fibroblast Growth Factor 2 for Spatial Controlled Cell Proliferation. ACS Biomaterials Science and Engineering, 2015, 1, 740-746.	5.2	35
13	Biosynthesis of a Fluorescent Protein with Extreme Pseudo-Stokes Shift by Introducing a Genetically Encoded Non-Natural Amino Acid outside the Fluorophore. Journal of the American Chemical Society, 2011, 133, 3708-3711.	13.7	30
14	Aminotryptophan-containing barstar: Structureâ€“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
15	(4R)â€•and (4S)â€Fluoroproline in the Conserved cisâ€Prolyl Peptide Bond of the Thioredoxin Fold: Tertiary Structure Context Dictates Ring Puckering. ChemBioChem, 2013, 14, 1053-1057.	2.6	26
16	Acceleration of protein folding by four orders of magnitude through a single amino acid substitution. Scientific Reports, 2015, 5, 11840.	3.3	22
17	The Antibacterial Drug Candidate SBC3 is a Potent Inhibitor of Bacterial Thioredoxin Reductase. ChemBioChem, 2021, 22, 1093-1098.	2.6	16
18	Natural and Synthetic Halogenated Amino Acidsâ€”Structural and Bioactive Features in Antimicrobial Peptides and Peptidomimetics. Molecules, 2021, 26, 7401.	3.8	16

#	Article	IF	Citations
19	Functional analyses of ancestral thioredoxins provide insights into their evolutionary history. Journal of Biological Chemistry, 2019, 294, 14105-14118.	3.4	15
20	Formation of Ubiquitin Dimers via Azideâ€“Alkyne Click Reaction. Methods in Molecular Biology, 2012, 832, 589-596.	0.9	15
21	Acceleration of the Rateâ€Limiting Step of Thioredoxin Folding by Replacement of its Conserved cisâ€Proline with (4â€‰S)â€Fluoroproline. ChemBioChem, 2015, 16, 2162-2166.	2.6	13
22	Synthesis of Erythropoietins Siteâ€Specifically Conjugated with Complexâ€Type N â€Glycans. ChemBioChem, 2019, 20, 1914-1918.	2.6	13
23	Protein Design with Fluoroprolines: 4,4â€Difluoroproline Does Not Eliminate the Rateâ€Limiting Step of Thioredoxin Folding. ChemBioChem, 2021, 22, 3326-3332.	2.6	6
24	CHAPTER 3.1. Disulfide Bond Formation and Isomerization in Escherichia coli. Chemical Biology, 2018, , 175-204.	0.2	0