Stefano M Marino

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10492028/publications.pdf

Version: 2024-02-01

28 papers	1,834 citations	331538 21 h-index	610775 24 g-index
29 all docs	29 docs citations	29 times ranked	3047 citing authors

#	Article	IF	Citations
1	Cysteine Function Governs Its Conservation and Degeneration and Restricts Its Utilization on Protein Surfaces. Journal of Molecular Biology, 2010, 404, 902-916.	2.0	311
2	Analysis and Functional Prediction of Reactive Cysteine Residues. Journal of Biological Chemistry, 2012, 287, 4419-4425.	1.6	221
3	Structural Analysis of Cysteine S-Nitrosylation: A Modified Acid-Based Motif and the Emerging Role of Trans-Nitrosylation. Journal of Molecular Biology, 2010, 395, 844-859.	2.0	193
4	Selenocysteine in Thiol/Disulfide-Like Exchange Reactions. Antioxidants and Redox Signaling, 2013, 18, 1675-1689.	2.5	138
5	Site-Specific Proteomic Mapping Identifies Selectively Modified Regulatory Cysteine Residues in Functionally Distinct Protein Networks. Chemistry and Biology, 2015, 22, 965-975.	6.2	119
6	Thioredoxin 1-Mediated Post-Translational Modifications: Reduction, Transnitrosylation, Denitrosylation, and Related Proteomics Methodologies. Antioxidants and Redox Signaling, 2011, 15, 2565-2604.	2.5	103
7	NEDD9 targets COL3A1 to promote endothelial fibrosis and pulmonary arterial hypertension. Science Translational Medicine, 2018, 10, .	5.8	89
8	Functional Analysis of Free Methionine-R-sulfoxide Reductase from Saccharomyces cerevisiae. Journal of Biological Chemistry, 2009, 284, 4354-4364.	1.6	83
9	Methionine Sulfoxide Reductases Preferentially Reduce Unfolded Oxidized Proteins and Protect Cells from Oxidative Protein Unfolding. Journal of Biological Chemistry, 2012, 287, 24448-24459.	1.6	79
10	Functional diversity of cysteine residues in proteins and unique features of catalytic redox-active cysteines in thiol oxidoreductases. Molecules and Cells, 2008, 26, 228-35.	1.0	65
11	Mammalian thioredoxin reductase 1: roles in redox homoeostasis and characterization of cellular targets. Biochemical Journal, 2010, 430, 285-293.	1.7	62
12	Selenoprotein S is involved in maintenance and transport of multiprotein complexes. Biochemical Journal, 2014, 462, 555-565.	1.7	51
13	Redox Biology: Computational Approaches to the Investigation of Functional Cysteine Residues. Antioxidants and Redox Signaling, 2011, 15, 135-146.	2.5	46
14	Characterization of Surface-Exposed Reactive Cysteine Residues in Saccharomyces cerevisiae. Biochemistry, 2010, 49, 7709-7721.	1.2	37
15	Investigation of Streptomyces antibioticus tyrosinase reactivity toward chlorophenols. Archives of Biochemistry and Biophysics, 2011, 505, 67-74.	1.4	37
16	Mechanism-based Proteomic Screening Identifies Targets of Thioredoxin-like Proteins. Journal of Biological Chemistry, 2015, 290, 5685-5695.	1.6	34
17	Cy-preds: An algorithm and a web service for the analysis and prediction of cysteine reactivity. Proteins: Structure, Function and Bioinformatics, 2016, 84, 278-291.	1.5	29
18	Insights into Function, Catalytic Mechanism, and Fold Evolution of Selenoprotein Methionine Sulfoxide Reductase B1 through Structural Analysis*. Journal of Biological Chemistry, 2010, 285, 33315-33323.	1.6	26

#	Article	IF	Citations
19	A Structure-Based Approach for Detection of Thiol Oxidoreductases and Their Catalytic Redox-Active Cysteine Residues. PLoS Computational Biology, 2009, 5, e1000383.	1.5	23
20	Cloning and characterization of cytoplasmic carbonic anhydrase from gills of four Antarctic fish: insights into the evolution of fish carbonic anhydrase and cold adaptation. Polar Biology, 2012, 35, 1587-1600.	0.5	23
21	A 4-Selenocysteine, 2-Selenocysteine Insertion Sequence (SECIS) Element Methionine Sulfoxide Reductase from Metridium senile Reveals a Non-catalytic Function of Selenocysteines. Journal of Biological Chemistry, 2011, 286, 18747-18755.	1.6	21
22	Protein Flexibility and Cysteine Reactivity: Influence of Mobility on the H-Bond Network and Effects on pKa Prediction. Protein Journal, 2014, 33, 323-336.	0.7	18
23	Mapping reactive cysteines. Nature Chemical Biology, 2011, 7, 72-73.	3.9	12
24	Cpipe: a comprehensive computational platform for sequence and structure-based analyses of Cysteine residues. Bioinformatics, 2017, 33, 2395-2396.	1.8	9
25	Computational Redox Biology: Methods and Applications. , 2013, , 187-211.		3
26	Computational functional analysis of cysteine residues in proteins. , 2022, , 59-80.		2
27	Structural Characterization of Mammalian Selenoproteins. , 2011, , 125-136.		0
28	Functional analysis of yeast fRMsr and its role in the reduction of free methionineâ€Râ€sulfoxides in yeast and mammalian cells. FASEB Journal, 2009, 23, 861.3.	0.2	0