

Clara Iannuzzi

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,709
citations

279701

23
h-index

289141

40
g-index

46
all docs

46
docs citations

46
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial frataxin CyaY is the gatekeeper of iron-sulfur cluster formation catalyzed by IscS. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 390-396.	3.6	228
2	Structural bases for the interaction of frataxin with the central components of iron-sulphur cluster assembly. <i>Nature Communications</i> , 2010, 1, 95.	5.8	161
3	Effector Role Reversal during Evolution: The Case of Frataxin in Fe-S Cluster Biosynthesis. <i>Biochemistry</i> , 2012, 51, 2506-2514.	1.2	95
4	Differential effects of glycation on protein aggregation and amyloid formation. <i>Frontiers in Molecular Biosciences</i> , 2014, 1, 9.	1.6	93
5	The Effect of Glycosaminoglycans (GAGs) on Amyloid Aggregation and Toxicity. <i>Molecules</i> , 2015, 20, 2510-2528.	1.7	89
6	Fibrillogenesis and Cytotoxic Activity of the Amyloid-forming Apomyoglobin Mutant W7FW14F. <i>Journal of Biological Chemistry</i> , 2004, 279, 13183-13189.	1.6	68
7	Ferredoxin Competes with Bacterial Frataxin in Binding to the Desulfurase IscS*. <i>Journal of Biological Chemistry</i> , 2013, 288, 24777-24787.	1.6	68
8	The Role of Metal Binding in the Amyotrophic Lateral Sclerosis-Related Aggregation of Copper-Zinc Superoxide Dismutase. <i>Molecules</i> , 2017, 22, 1429.	1.7	59
9	Insights into Insulin Fibril Assembly at Physiological and Acidic pH and Related Amyloid Intrinsic Fluorescence. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2551.	1.8	57
10	Effect of Trehalose on W7FW14F Apomyoglobin and Insulin Fibrillization: A New Insight into Inhibition Activity. <i>Biochemistry</i> , 2008, 47, 1789-1796.	1.2	50
11	Vanillin Affects Amyloid Aggregation and Non-Enzymatic Glycation in Human Insulin. <i>Scientific Reports</i> , 2017, 7, 15086.	1.6	48
12	The Role of CyaY in Iron Sulfur Cluster Assembly on the E. coli IscU Scaffold Protein. <i>PLoS ONE</i> , 2011, 6, e21992.	1.1	46
13	Differential inhibition of PDKs by phenylbutyrate and enhancement of pyruvate dehydrogenase complex activity by combination with dichloroacetate. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 895-904.	1.7	45
14	The role of zinc in the stability of the marginally stable IscU scaffold protein. <i>Protein Science</i> , 2014, 23, 1208-1219.	3.1	44
15	Of the vulnerability of orphan complex proteins: The case study of the E. coli IscU and IscS proteins. <i>Protein Expression and Purification</i> , 2010, 73, 161-166.	0.6	38
16	Misfolding and Amyloid Aggregation of Apomyoglobin. <i>International Journal of Molecular Sciences</i> , 2013, 14, 14287-14300.	1.8	35
17	Tetracycline inhibits W7FW14F apomyoglobin fibril extension and keeps the amyloid protein in a prefibrillar, highly cytotoxic state. <i>FASEB Journal</i> , 2006, 20, 346-347.	0.2	34
18	D-ribose-glycation of insulin prevents amyloid aggregation and produces cytotoxic adducts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 93-104.	1.8	34

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19	Glycation Accelerates Fibrillization of the Amyloidogenic W7FW14F Apomyoglobin. <i>PLoS ONE</i> , 2013, 8, e80768.	1.1	33
20	Vanillin Prevents Doxorubicin-Induced Apoptosis and Oxidative Stress in Rat H9c2 Cardiomyocytes. <i>Nutrients</i> , 2020, 12, 2317.	1.7	33
21	Understanding the Role of Protein Glycation in the Amyloid Aggregation Process. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6609.	1.8	31
22	Heme binding inhibits the fibrillization of amyloidogenic apomyoglobin and determines lack of aggregate cytotoxicity. <i>Protein Science</i> , 2007, 16, 507-516.	3.1	26
23	Anatomy of an iron-sulfur cluster scaffold protein: Understanding the determinants of [2Fe-2S] cluster stability on IscU. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1448-1456.	1.9	26
24	The Molecular Bases of the Dual Regulation of Bacterial Iron Sulfur Cluster Biogenesis by CyaY and IscX. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 97.	1.6	25
25	W7FW14F apomyoglobin amyloid aggregates-mediated apoptosis is due to oxidative stress and AKT inactivation caused by Ras and Rac. <i>Journal of Cellular Physiology</i> , 2009, 221, 412-423.	2.0	23
26	Pinocebrin Protects from AGE-Induced Cytotoxicity and Inhibits Non-Enzymatic Glycation in Human Insulin. <i>Cells</i> , 2019, 8, 385.	1.8	22
27	Hydroxytyrosol Inhibits Protein Oligomerization and Amyloid Aggregation in Human Insulin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4636.	1.8	19
28	Glycation in Demetalated Superoxide Dismutase 1 Prevents Amyloid Aggregation and Produces Cytotoxic Ages Adducts. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 55.	1.6	16
29	Intrinsic blue-green fluorescence in amyloid fibrils. <i>AIMS Biophysics</i> , 2018, 5, 155-165.	0.3	16
30	Kinetics of amyloid aggregation of mammal apomyoglobins and correlation with their amino acid sequences. <i>FEBS Letters</i> , 2006, 580, 1681-1684.	1.3	14
31	Protective effect of extractive and biotechnological chondroitin in insulin amyloid and advanced glycation end product-induced toxicity. <i>Journal of Cellular Physiology</i> , 2019, 234, 3814-3828.	2.0	14
32	Hydroxytyrosol Selectively Affects Non-Enzymatic Glycation in Human Insulin and Protects by AGEs Cytotoxicity. <i>Antioxidants</i> , 2021, 10, 1127.	2.2	14
33	Lysosome purinergic receptor P2X4 regulates neoangiogenesis induced by microvesicles from sarcoma patients. <i>Cell Death and Disease</i> , 2021, 12, 797.	2.7	14
34	Resolution of the effects induced by W7FW14F substitutions on the conformation and dynamics of the amyloid-forming apomyoglobin mutant W7FW14F. <i>European Biophysics Journal</i> , 2012, 41, 615-627.	1.2	13
35	Glycation of Wild-Type Apomyoglobin Induces Formation of Highly Cytotoxic Oligomeric Species. <i>Journal of Cellular Physiology</i> , 2015, 230, 2807-2820.	2.0	13
36	Pooling strategy and chromosome painting characterize a living zebroid for the first time. <i>PLoS ONE</i> , 2017, 12, e0180158.	1.1	11

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37	Cluster and Fold Stability of E. coli ISC-Type Ferredoxin. PLoS ONE, 2013, 8, e78948.	1.1	9
38	A signalling cascade involving receptor-activated phospholipase A2, glycerophosphoinositol 4-phosphate, Shp1 and Src in the activation of cell motility. Cell Communication and Signaling, 2019, 17, 20.	2.7	9
39	Platelet-Activating Factor Mediates the Cytotoxicity Induced by W7FW14F Apomyoglobin Amyloid Aggregates in Neuroblastoma Cells. Journal of Cellular Biochemistry, 2014, 115, 2116-2122.	1.2	8
40	Hydroxytyrosol Prevents Doxorubicin-Induced Oxidative Stress and Apoptosis in Cardiomyocytes. Antioxidants, 2022, 11, 1087.	2.2	8
41	W-F Substitutions in Apomyoglobin Increase the Local Flexibility of the N-terminal Region Causing Amyloid Aggregation: A H/D Exchange Study. Protein and Peptide Letters, 2013, 20, 898-904.	0.4	6
42	The Utility of Chromosome Microdissection in Clinical Cytogenetics: A New Reciprocal Translocation in Sheep. Cytogenetic and Genome Research, 2014, 142, 174-178.	0.6	5
43	Tryptophanyl substitutions in apomyoglobin affect conformation and dynamic properties of AGH subdomain. Biopolymers, 2003, 70, 649-654.	1.2	3
44	Role of Glycation in Amyloid: Effect on the Aggregation Process and Cytotoxicity. , 2016, , .		3
45	Understanding the self-assembly pathways of a single chain variant of monellin: A first step towards the design of sweet nanomaterials. International Journal of Biological Macromolecules, 2020, 152, 21-29.	3.6	3