Nunziata Maio

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5375262/publications.pdf

Version: 2024-02-01

28 papers	1,775 citations	361413 20 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	2667 citing authors

#	Article	IF	Citations
1	Mammalian iron sulfur cluster biogenesis: From assembly to delivery to recipient proteins with a focus on novel targets of the chaperone and coâ€¢chaperone proteins. IUBMB Life, 2022, 74, 684-704.	3.4	6
2	Mammalian iron sulfur cluster biogenesis and human diseases. IUBMB Life, 2022, 74, 705-714.	3.4	6
3	Disruption of cellular iron homeostasis by IREB2 missense variants causes severe neurodevelopmental delay, dystonia and seizures. Brain Communications, 2022, 4, .	3.3	5
4	Nitric Oxide Mediates Direct Restriction of Pyruvate Dehydrogenase Complex via Generation of Nitroxyl During Macrophage Polarization. FASEB Journal, 2021, 35, .	0.5	0
5	Fe-S cofactors in the SARS-CoV-2 RNA-dependent RNA polymerase are potential antiviral targets. Science, 2021, 373, 236-241.	12.6	71
6	Mechanisms of cellular iron sensing, regulation of erythropoiesis and mitochondrial iron utilization. Seminars in Hematology, 2021, 58, 161-174.	3.4	24
7	Mitochondrial DNA alterations underlie an irreversible shift to aerobic glycolysis in fumarate hydrataseâ€“deficient renal cancer. Science Signaling, 2021, 14, .	3.6	64
8	The autophagy protein ATG9A enables lipid mobilization from lipid droplets. Nature Communications, 2021, 12, 6750.	12.8	49
9	Mutations in LRRK2 linked to Parkinson disease sequester Rab8a to damaged lysosomes and regulate transferrin-mediated iron uptake in microglia. PLoS Biology, 2021, 19, e3001480.	5.6	48
10	Mammalian ironâ€“sulfur cluster biogenesis: Recent insights into the roles of frataxin, acyl carrier protein and ATPase-mediated transfer to recipient proteins. Current Opinion in Chemical Biology, 2020, 55, 34-44.	6.1	48
11	Assembly of the [4Feâ€“4S] cluster of NFU1 requires the coordinated donation of two [2Feâ€“2S] clusters from the scaffold proteins, ISCU2 and ISCA1. Human Molecular Genetics, 2020, 29, 3165-3182.	2.9	18
12	Heme biosynthesis depends on previously unrecognized acquisition of iron-sulfur cofactors in human amino-levulinic acid dehydratase. Nature Communications, 2020, 11, 6310.	12.8	32
13	Outlining the Complex Pathway of Mammalian Fe-S Cluster Biogenesis. Trends in Biochemical Sciences, 2020, 45, 411-426.	7.5	85
14	Nitric oxide orchestrates metabolic rewiring in M1 macrophages by targeting aconitase 2 and pyruvate dehydrogenase. Nature Communications, 2020, 11, 698.	12.8	232
15	How Oxidation of a Unique Iron-Sulfur Cluster in FBXL5 Regulates IRP2 Levels and Promotes Regulation of Iron Metabolism Proteins. Molecular Cell, 2020, 78, 1-3.	9.7	55
16	Reply: IREB2-associated neurodegeneration. Brain, 2019, 142, e41-e41.	7.6	3
17	Absence of iron-responsive element-binding protein 2 causes a novel neurodegenerative syndrome. Brain, 2019, 142, 1195-1202.	7.6	38
18	Dimeric ferrochelatase bridges ABCB7 and ABCB10 homodimers in an architecturally defined molecular complex required for heme biosynthesis. Haematologica, 2019, 104, 1756-1767.	3.5	40

#	Article	IF	Citations
19	Cytosolic HSC20 integrates de novo ironâ€“sulfur cluster biogenesis with the CIAO1-mediated transfer to recipients. Human Molecular Genetics, 2018, 27, 837-852.	2.9	38
20	Acute loss of ironâ€“sulfur clusters results in metabolic reprogramming and generation of lipid droplets in mammalian cells. Journal of Biological Chemistry, 2018, 293, 8297-8311.	3.4	70
21	Tumour-elicited neutrophils engage mitochondrial metabolism to circumvent nutrient limitations and maintain immune suppression. Nature Communications, 2018, 9, 5099.	12.8	201
22	TLR-activated repression of Fe-S cluster biogenesis drives a metabolic shift and alters histone and tubulin acetylation. Blood Advances, 2018, 2, 1146-1156.	5.2	32
23	Biogenesis and functions of mammalian iron-sulfur proteins in the regulation of iron homeostasis and pivotal metabolic pathways. Journal of Biological Chemistry, 2017, 292, 12744-12753.	3.4	122
24	A Single Adaptable Cochaperone-Scaffold Complex Delivers Nascent Iron-Sulfur Clusters to Mammalian Respiratory Chain Complexes Iâ€“III. Cell Metabolism, 2017, 25, 945-953.e6.	16.2	78
25	9 Delivery of iron-sulfur clusters to recipient proteins: the role of chaperone and cochaperone proteins. , 2017, , 205-226.		1
26	Disease-Causing SDHAF1 Mutations Impair Transfer of Fe-S Clusters to SDHB. Cell Metabolism, 2016, 23, 292-302.	16.2	89
27	Iron â€“sulfur cluster biogenesis in mammalian cells: New insights into the molecular mechanisms of cluster delivery. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1493-1512.	4.1	170
28	Cochaperone Binding to LYR Motifs Confers Specificity of Iron Sulfur Cluster Delivery. Cell Metabolism, 2014, 19, 445-457.	16.2	136