

# Nunziata Maio

## List of Publications by Year in descending order

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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	Nitric oxide orchestrates metabolic rewiring in M1 macrophages by targeting aconitase 2 and pyruvate dehydrogenase. <i>Nature Communications</i> , 2020, 11, 698.	12.8	232
2	Tumour-elicited neutrophils engage mitochondrial metabolism to circumvent nutrient limitations and maintain immune suppression. <i>Nature Communications</i> , 2018, 9, 5099.	12.8	201
3	Iron $\alpha$ -sulfur cluster biogenesis in mammalian cells: New insights into the molecular mechanisms of cluster delivery. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1493-1512.	4.1	170
4	Cochaperone Binding to LYR Motifs Confers Specificity of Iron Sulfur Cluster Delivery. <i>Cell Metabolism</i> , 2014, 19, 445-457.	16.2	136
5	Biogenesis and functions of mammalian iron-sulfur proteins in the regulation of iron homeostasis and pivotal metabolic pathways. <i>Journal of Biological Chemistry</i> , 2017, 292, 12744-12753.	3.4	122
6	Disease-Causing SDHAF1 Mutations Impair Transfer of Fe-S Clusters to SDHB. <i>Cell Metabolism</i> , 2016, 23, 292-302.	16.2	89
7	Outlining the Complex Pathway of Mammalian Fe-S Cluster Biogenesis. <i>Trends in Biochemical Sciences</i> , 2020, 45, 411-426.	7.5	85
8	A Single Adaptable Cochaperone-Scaffold Complex Delivers Nascent Iron-Sulfur Clusters to Mammalian Respiratory Chain Complexes $\alpha$ -III. <i>Cell Metabolism</i> , 2017, 25, 945-953.e6.	16.2	78
9	Fe-S cofactors in the SARS-CoV-2 RNA-dependent RNA polymerase are potential antiviral targets. <i>Science</i> , 2021, 373, 236-241.	12.6	71
10	Acute loss of iron $\alpha$ -sulfur clusters results in metabolic reprogramming and generation of lipid droplets in mammalian cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 8297-8311.	3.4	70
11	Mitochondrial DNA alterations underlie an irreversible shift to aerobic glycolysis in fumarate hydratase $\alpha$ -deficient renal cancer. <i>Science Signaling</i> , 2021, 14, .	3.6	64
12	How Oxidation of a Unique Iron-Sulfur Cluster in FBXL5 Regulates IRP2 Levels and Promotes Regulation of Iron Metabolism Proteins. <i>Molecular Cell</i> , 2020, 78, 1-3.	9.7	55
13	The autophagy protein ATG9A enables lipid mobilization from lipid droplets. <i>Nature Communications</i> , 2021, 12, 6750.	12.8	49
14	Mammalian iron $\alpha$ -sulfur cluster biogenesis: Recent insights into the roles of frataxin, acyl carrier protein and ATPase-mediated transfer to recipient proteins. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 34-44.	6.1	48
15	Mutations in LRRK2 linked to Parkinson disease sequester Rab8a to damaged lysosomes and regulate transferrin-mediated iron uptake in microglia. <i>PLoS Biology</i> , 2021, 19, e3001480.	5.6	48
16	Dimeric ferrochelatase bridges ABCB7 and ABCB10 homodimers in an architecturally defined molecular complex required for heme biosynthesis. <i>Haematologica</i> , 2019, 104, 1756-1767.	3.5	40
17	Cytosolic HSC20 integrates de novo iron $\alpha$ -sulfur cluster biogenesis with the CIAO1-mediated transfer to recipients. <i>Human Molecular Genetics</i> , 2018, 27, 837-852.	2.9	38
18	Absence of iron-responsive element-binding protein 2 causes a novel neurodegenerative syndrome. <i>Brain</i> , 2019, 142, 1195-1202.	7.6	38

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19	TLR-activated repression of Fe-S cluster biogenesis drives a metabolic shift and alters histone and tubulin acetylation. <i>Blood Advances</i> , 2018, 2, 1146-1156.	5.2	32
20	Heme biosynthesis depends on previously unrecognized acquisition of iron-sulfur cofactors in human amino-levulinic acid dehydratase. <i>Nature Communications</i> , 2020, 11, 6310.	12.8	32
21	Mechanisms of cellular iron sensing, regulation of erythropoiesis and mitochondrial iron utilization. <i>Seminars in Hematology</i> , 2021, 58, 161-174.	3.4	24
22	Assembly of the [4Fe-4S] cluster of NFU1 requires the coordinated donation of two [2Fe-2S] clusters from the scaffold proteins, ISCU2 and ISCA1. <i>Human Molecular Genetics</i> , 2020, 29, 3165-3182.	2.9	18
23	Mammalian iron sulfur cluster biogenesis: From assembly to delivery to recipient proteins with a focus on novel targets of the chaperone and co-chaperone proteins. <i>IUBMB Life</i> , 2022, 74, 684-704.	3.4	6
24	Mammalian iron sulfur cluster biogenesis and human diseases. <i>IUBMB Life</i> , 2022, 74, 705-714.	3.4	6
25	Disruption of cellular iron homeostasis by <i>IREB2</i> missense variants causes severe neurodevelopmental delay, dystonia and seizures. <i>Brain Communications</i> , 2022, 4, .	3.3	5
26	Reply: IREB2-associated neurodegeneration. <i>Brain</i> , 2019, 142, e41-e41.	7.6	3
27	9 Delivery of iron-sulfur clusters to recipient proteins: the role of chaperone and cochaperone proteins. , 2017, , 205-226.		1
28	Nitric Oxide Mediates Direct Restriction of Pyruvate Dehydrogenase Complex via Generation of Nitroxyl During Macrophage Polarization. <i>FASEB Journal</i> , 2021, 35, .	0.5	0