Vito Porcelli

List of Publications by Year
in descending order

26 papers	1,100 citations	430874 18 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1824 citing authors

#	Article	IF	Citations
1	Altered calcium homeostasis in autism-spectrum disorders: evidence from biochemical and genetic studies of the mitochondrial aspartate/glutamate carrier AGC1. Molecular Psychiatry, 2010, 15, 38-52.	7.9	184
2	Computational approaches for protein function prediction: A combined strategy from multiple sequence alignment to molecular docking-based virtual screening. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1695-1712.	2.3	97
3	Acetylation of human mitochondrial citrate carrier modulates mitochondrial citrate/malate exchange activity to sustain NADPH production during macrophage activation. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 729-738.	1.0	79
4	The Human Gene SLC25A29, of Solute Carrier Family 25, Encodes a Mitochondrial Transporter of Basic Amino Acids. Journal of Biological Chemistry, 2014, 289, 13374-13384.	3.4	72
5	Mutations in the Mitochondrial Citrate Carrier SLC25A1 are Associated with Impaired Neuromuscular Transmission. Journal of Neuromuscular Diseases, 2014, 1, 75-90.	2.6	69
6	Toward the Standardization of Mitochondrial Proteomics: The Italian Mitochondrial Human Proteome Project Initiative. Journal of Proteome Research, 2017, 16, 4319-4329.	3.7	66
7	Oxidative stress and reduced glutamine synthetase activity in the absence of inflammation in the cortex of mice with experimental allergic encephalomyelitis. Neuroscience, 2011, 185, 97-105.	2.3	61
8	Agenesis of corpus callosum and optic nerve hypoplasia due to mutations inSLC25A1encoding the mitochondrial citrate transporter. Journal of Medical Genetics, 2013, 50, 240-245.	3.2	60
9	The Mitochondrial Aspartate/Glutamate Carrier AGC1 and Calcium Homeostasis: Physiological Links and Abnormalities in Autism. Molecular Neurobiology, 2011, 44, 83-92.	4.0	52
10	Rapamycin reduces oxidative stress in frataxin-deficient yeast cells. Mitochondrion, 2012, 12, 156-161.	3.4	42
11	Mitochondrial Carriers for Aspartate, Glutamate and Other Amino Acids: A Review. International Journal of Molecular Sciences, 2019, 20, 4456.	4.1	40
12	Molecular identification and functional characterization of a novel glutamate transporter in yeast and plant mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 1249-1258.	1.0	39
13	SLC25A10 biallelic mutations in intractable epileptic encephalopathy with complex I deficiency. Human Molecular Genetics, 2018, 27, 499-504.	2.9	37
14	The human uncoupling proteins 5 and 6 (UCP5/SLC25A14 and UCP6/SLC25A30) transport sulfur oxyanions, phosphate and dicarboxylates. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 724-733.	1.0	35
15	Mitochondrial transporters for ornithine and related amino acids: a review. Amino Acids, 2015, 47, 1763-1777.	2.7	30
16	An overview of combined Dâ€2â€•and Lâ€2â€hydroxyglutaric aciduria: functional analysis of CIC variants. Journal of Inherited Metabolic Disease, 2018, 41, 169-180.	3.6	24
17	Down-regulation of the mitochondrial aspartate-glutamate carrier isoform 1 AGC1 inhibits proliferation and N-acetylaspartate synthesis in Neuro2A cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1422-1435.	3.8	22
18	Asymmetric dimethylarginine is transported by the mitochondrial carrier SLC25A2. Amino Acids, 2016, 48, 427-436.	2.7	19

#	Article	IF	Citations
19	Effect of diazoxide on Friedreich ataxia models. Human Molecular Genetics, 2018, 27, 992-1001.	2.9	14
20	Biochemical and functional characterization of a mitochondrial citrate carrier in Arabidopsis thaliana. Biochemical Journal, 2020, 477, 1759-1777.	3.7	13
21	A Mutation in the Mitochondrial Aspartate/Glutamate Carrier Leads to a More Oxidizing Intramitochondrial Environment and an Inflammatory Myopathy in Dutch Shepherd Dogs. Journal of Neuromuscular Diseases, 2019, 6, 485-501.	2.6	11
22	Structure/function relationships of the human mitochondrial ornithine/citrulline carrier by Cys site-directed mutagenesis. Relevance to mercury toxicity. International Journal of Biological Macromolecules, 2018, 120, 93-99.	7.5	9
23	CRAT missense variants cause abnormal carnitine acetyltransferase function in an earlyâ€onset case of Leigh syndrome. Human Mutation, 2020, 41, 110-114.	2.5	7
24	Phospholipidomics of peripheral blood mononuclear cells (PBMCs): the tricky case of children with autism spectrum disorder (ASD) and their healthy siblings. Analytical and Bioanalytical Chemistry, 2020, 412, 6859-6874.	3.7	7
25	An Overview of Mitochondrial Protein Defects in Neuromuscular Diseases. Biomolecules, 2021, 11, 1633.	4.0	6
26	PNC2 (SLC25A36) Deficiency Associated With the Hyperinsulinism/Hyperammonemia Syndrome. Journal of Clinical Endocrinology and Metabolism, 2021, , .	3.6	5