

Faustino Bisaccia

List of Publications by Year in descending order

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citations

201674

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docs citations

73
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	[25] Mitochondrial metabolite carrier proteins: Purification, reconstitution, and transport studies. <i>Methods in Enzymology</i> , 1995, 260, 349-369.	1.0	226
2	Sequence of the bovine 2-oxoglutarate/malate carrier protein: structural relationship to other mitochondrial transport proteins. <i>Biochemistry</i> , 1990, 29, 11033-11040.	2.5	175
3	Purification of reconstitutively active α -oxoglutarate carrier from pig heart mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1985, 810, 362-369.	1.0	121
4	Mitochondrial metabolite transporters. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 127-132.	1.0	114
5	Identification and purification of the tricarboxylate carrier from rat liver mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1989, 977, 171-176.	1.0	106
6	Identification and reconstitution of the yeast mitochondrial transporter for thiamine pyrophosphate. <i>EMBO Journal</i> , 2002, 21, 5653-5661.	7.8	88
7	Purification and reconstitution of two anion carriers from rat liver mitochondria: The dicarboxylate and the 2-oxoglutarate carrier. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 933, 229-240.	1.0	87
8	Specific elution from hydroxylapatite of the mitochondrial phosphate carrier by cardiolipin. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1984, 766, 386-394.	1.0	86
9	Functional properties of purified and reconstituted mitochondrial metabolite carriers. <i>Journal of Bioenergetics and Biomembranes</i> , 1993, 25, 525-535.	2.3	84
10	Kinetic characterization of the reconstituted tricarboxylate carrier from rat liver mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990, 1019, 250-256.	1.0	65
11	Kinetics of the reconstituted 2-oxoglutarate carrier from bovine heart mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 890, 310-318.	1.0	61
12	Transmembrane topology, genes, and biogenesis of the mitochondrial phosphate and oxoglutarate carriers. <i>Journal of Bioenergetics and Biomembranes</i> , 1993, 25, 493-501.	2.3	60
13	Reaction mechanism of the reconstituted tricarboxylate carrier from rat liver mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1142, 139-145.	1.0	53
14	Transmembrane Topography of the Mitochondrial Oxoglutarate Carrier Assessed by Peptide-Specific Antibodies and Enzymic Cleavage. <i>Biochemistry</i> , 1994, 33, 3705-3713.	2.5	47
15	The N- and C-termini of the tricarboxylate carrier are exposed to the cytoplasmic side of the inner mitochondrial membrane. <i>FEBS Letters</i> , 1995, 357, 297-300.	2.8	47
16	Structure-activity relationships for some elastin-derived peptide chemoattractants. <i>Chemical Biology and Drug Design</i> , 1997, 49, 492-499.	1.1	45
17	Development and nutrition of the braconid wasp, <i>Aphidius ervi</i> in aposymbiotic host aphids. <i>Archives of Insect Biochemistry and Physiology</i> , 1999, 40, 53-63.	1.5	44
18	Migration of monocytes in the presence of elastolytic fragments of elastin and in synthetic derivatives. Structure-activity relationships. <i>International Journal of Peptide and Protein Research</i> , 1994, 44, 332-341.	0.1	44

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19	The formation of a disulfide cross-link between the two subunits demonstrates the dimeric structure of the mitochondrial oxoglutarate carrier. <i>BBA - Proteins and Proteomics</i> , 1996, 1292, 281-288.	2.1	41
20	The Mitochondrial Oxoglutarate Carrier: Sulfhydryl Reagents Bind to Cysteine-184, and This Interaction Is Enhanced by Substrate Binding. <i>Biochemistry</i> , 1996, 35, 8974-8980.	2.5	40
21	The mitochondrial oxoglutarate carrier: from identification to mechanism. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 1-13.	2.3	40
22	Molecular and Supramolecular Structural Studies on Human Tropoelastin Sequences. <i>Biophysical Journal</i> , 2007, 93, 3640-3651.	0.5	35
23	Antioxidant and Proapoptotic Activities of <i>Sclerocarya birrea</i> [(A. Rich.) Hochst.] Methanolic Root Extract on the Hepatocellular Carcinoma Cell Line HepG2. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	34
24	The Amino Acid Sequence Coded by the Rarely Expressed Exon 26A of Human Elastin Contains a Stable β -Turn with Chemotactic Activity for Monocytes. <i>Biochemistry</i> , 1998, 37, 11128-11135.	2.5	33
25	Role of FOXA in mitochondrial citrate carrier gene expression and insulin secretion. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 220-224.	2.1	32
26	Structural and functional properties of mitochondrial anion carriers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990, 1018, 147-150.	1.0	31
27	Phytochemical Profile of <i>Capsicum annum</i> L. cv <i>Senise</i> , Incorporation into Liposomes, and Evaluation of Cellular Antioxidant Activity. <i>Antioxidants</i> , 2020, 9, 428.	5.1	31
28	Dysregulation of gene expression in ABCC6 knockdown HepG2 cells. <i>Cellular and Molecular Biology Letters</i> , 2014, 19, 517-26.	7.0	30
29	ABCC6 knockdown in HepG2 cells induces a senescent-like cell phenotype. <i>Cellular and Molecular Biology Letters</i> , 2017, 22, 7.	7.0	28
30	Identification of elastin peptides with vasorelaxant activity on rat thoracic aorta. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 497-503.	2.8	25
31	Purification and Characterization of the Reconstitutively Active Adenine Nucleotide Carrier from Maize Mitochondria. <i>Plant Physiology</i> , 1996, 112, 845-851.	4.8	24
32	New insights into the roles of the N-terminal region of the ABCC6 transporter. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 259-267.	2.3	23
33	Identification and purification of the aspartate/glutamate carrier from bovine heart mitochondria. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1106, 291-296.	2.6	22
34	Membrane insertion and topology of the amino-terminal domain TMD0 of multidrug resistance associated protein 6 (MRP6). <i>FEBS Letters</i> , 2015, 589, 3921-3928.	2.8	22
35	A Comparative Study on Phytochemical Profiles and Biological Activities of <i>Sclerocarya birrea</i> (A.Rich.) Hochst Leaf and Bark Extracts. <i>International Journal of Molecular Sciences</i> , 2018, 19, 186.	4.1	21
36	Expression of some ATP-binding cassette transporters in acute myeloid leukemia. <i>Hematology Reports</i> , 2017, 9, 7406.	0.8	20

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37	Extracellular ATP Regulates CD73 and ABCC6 Expression in HepG2 Cells. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 75.	3.5	19
38	Effects of elastin-derived peptide on Achilles' tendon healing: an experimental study. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 717-720.	3.6	18
39	Novel properties of peptides derived from the sequence coded by exon 26A of human elastin. <i>International Journal of Biochemistry and Cell Biology</i> , 2002, 34, 130-135.	2.8	17
40	The nucleotide-binding domain 2 of the human transporter protein MRP6. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 465-471.	2.3	17
41	Future in the Past: <i>Azorella glabra</i> Wedd. as a Source of New Natural Compounds with Antiproliferative and Cytotoxic Activity on Multiple Myeloma Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3348.	4.1	17
42	Mitochondrial substrate carriers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1101, 223-227.	1.0	17
43	Study of the Nucleotide-Binding Domain 1 of the Human Transporter Protein MRP6. <i>Protein and Peptide Letters</i> , 2010, 17, 1553-1558.	0.9	17
44	Inhibition of ABCC6 Transporter Modifies Cytoskeleton and Reduces Motility of HepG2 Cells via Purinergic Pathway. <i>Cells</i> , 2020, 9, 1410.	4.1	16
45	Role of FOXA and Sp1 in mitochondrial acylcarnitine carrier gene expression in different cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 376-381.	2.1	15
46	Extracellular Citrate Is a Trojan Horse for Cancer Cells. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 593866.	3.5	13
47	<i>Hura crepitans</i> L. Extract: Phytochemical Characterization, Antioxidant Activity, and Nanoformulation. <i>Pharmaceutics</i> , 2020, 12, 553.	4.5	13
48	New insights on the functional role of URG7 in the cellular response to ER stress. <i>Biology of the Cell</i> , 2018, 110, 147-158.	2.0	12
49	New Insights into Behçet's Syndrome Metabolic Reprogramming: Citrate Pathway Dysregulation. <i>Mediators of Inflammation</i> , 2018, 2018, 1-8.	3.0	12
50	The mitochondrial oxoglutarate carrier protein contains a disulfide bridge between intramembranous cysteines 221 and 224. <i>FEBS Letters</i> , 1996, 392, 54-58.	2.8	11
51	The hepatitis B x antigen anti-apoptotic effector URG7 is localized to the endoplasmic reticulum membrane. <i>FEBS Letters</i> , 2013, 587, 3058-3062.	2.8	11
52	Citrate uniport by the mitochondrial tricarboxylate carrier: a basis for a new hypothesis for the transport mechanism. <i>Journal of Bioenergetics and Biomembranes</i> , 2003, 35, 133-140.	2.3	9
53	New heteroaryl carbamates: Synthesis and biological screening in vitro and in mammalian cells of wild-type and mutant HIV-protease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1863-1870.	3.0	8
54	Structural and Functional Characterization of the ABCC6 Transporter in Hepatic Cells: Role on PXE, Cancer Therapy and Drug Resistance. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2858.	4.1	8

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55	Effect of Quercetin on ABCC6 Transporter: Implication in HepG2 Migration. International Journal of Molecular Sciences, 2021, 22, 3871.	4.1	8
56	Different Recognition by Clostripain of Myelin Basic Protein in the Lipid-Free and Lipid-Bound Forms. Biochemical and Biophysical Research Communications, 1996, 226, 566-571.	2.1	7
57	Solution structure of the first and second transmembrane segments of the mitochondrial oxoglutarate carrier. Molecular Membrane Biology, 2004, 21, 297-305.	2.0	7
58	Synthesis and biological evaluation in vitro and in mammalian cells of new heteroaryl carboxyamides as HIV-protease inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 4715-4722.	3.0	7
59	Solution structure of the fifth and sixth transmembrane segments of the mitochondrial oxoglutarate carrier. Molecular Membrane Biology, 2005, 22, 191-201.	2.0	6
60	Solution structure of the amino acid sequence coded by the rarely expressed exonâ€f26A of human elastin: theN-terminal region. Chemical Biology and Drug Design, 2000, 56, 201-209.	1.1	5
61	Biochemical Characterization and NMR Study of the Region E748-A785 of the Human Protein MRP6/ABCC6. Protein and Peptide Letters, 2010, 17, 861-866.	0.9	5
62	The P-glycoprotein inhibitor diltiazem-like 8-(4-chlorophenyl)-5-methyl-8-[(2Z)-pent-2-en-1-yloxy]-8H-[1,2,4]oxadiazolo[3,4-c][1,4]thiazin-3-one inhibits esterase activity and H3 histone acetylation. European Journal of Medicinal Chemistry, 2019, 164, 1-7.	5.5	5
63	Effect of Quercetin on ABCC6 Transporter: Implication in HepG2 Migration. International Journal of Molecular Sciences, 2021, 22, 3437.	4.1	5
64	Calorimetry and FTIR reveal the ability of URG7 protein to modify the aggregation state of both cell lysate and amylogenic I±-synuclein. AIMS Biophysics, 2020, 7, 189-203.	0.6	5
65	Identification of a New Splice Variant of the Human ABCC6 Transporter. Research Letters in Biochemistry, 2008, 2008, 1-4.	0.0	3
66	Structural characterization of the LO cytoplasmic loop of human multidrug resistance protein 6 (MRP6). Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 380-386.	2.6	3
67	Expression, Purification and Structural Characterization of Up-Regulated Gene 7 Encoded Protein. Protein and Peptide Letters, 2014, 21, 413-418.	0.9	3
68	Two Novel Precursors of the HIV-1 Protease Inhibitor Darunavir Target the UPR/Proteasome System in Human Hepatocellular Carcinoma Cell Line HepG2. Cells, 2021, 10, 3052.	4.1	3
69	Epigenetic control of TNAP expression in Pseudoxanthoma elasticum fibroblasts. Cell Biology International, 2012, , .	3.0	1
70	Structural characterization of the transmembrane segments of the mitochondrial oxoglutarate carrier (OGC) by NMR spectroscopy. Italian Journal of Biochemistry, 2007, 56, 285-8.	0.3	1
71	The Expression Level of ABCC6 Transporter in Colon Cancer Cells Correlates with the Activation of Different Intracellular Signaling Pathways. Pathophysiology, 2022, 29, 173-186.	2.2	1