Valeria Dall'asta

List of Publications by Year
in descending order

76	2,453	201674	214800
papers	citations	27 h-index	47 g-index

78	78	78	2816
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The cluster-tray method for rapid measurement of solute fluxes in adherent cultured cells. Analytical Biochemistry, 1981, 115, 368-374.	2.4	265
2	Dependence on glutamine uptake and glutamine addiction characterize myeloma cells: a new attractive target. Blood, 2016, 128, 667-679.	1.4	128
3	In human endothelial cells rapamycin causes mTORC2 inhibition and impairs cell viability and function. Cardiovascular Research, 2008, 78, 563-571.	3.8	103
4	Comparison of Annexin V and Calcein-AM as Early Vital Markers of Apoptosis in Adherent Cells by Confocal Laser Microscopy. Journal of Histochemistry and Cytochemistry, 1998, 46, 895-900.	2.5	94
5	The adaptive regulation of amino acid transport system A is associated to changes in ATA2 expression. FEBS Letters, 2001, 490, 11-14.	2.8	82
6	Oxidative Stress Induced by Copper and Iron Complexes with 8-Hydroxyquinoline Derivatives Causes Paraptotic Death of HeLa Cancer Cells. Molecular Pharmaceutics, 2014, 11, 1151-1163.	4.6	82
7	The stimulation of Na,K,Cl cotransport and of system A for neutral amino acid transport is a mechanism for cell volume increase during the cell cycle. FASEB Journal, 1996, 10, 920-926.	0.5	76
8	Thioamido Coordination in a Thioxo-1,2,4-triazole Copper(II) Complex Enhances Nonapoptotic Programmed Cell Death Associated with Copper Accumulation and Oxidative Stress in Human Cancer Cells. Journal of Medicinal Chemistry, 2007, 50, 1916-1924.	6.4	71
9	Adaptive Increase of Amino Acid Transport System A Requires ERK1/2 Activation. Journal of Biological Chemistry, 1999, 274, 28922-28928.	3.4	67
10	Characterization of Apoptotic Phenomena Induced by Treatment with L-Asparaginase in NIH3T3 Cells. Experimental Cell Research, 1995, 220, 283-291.	2.6	66
11	Two-way arginine transport in human endothelial cells: TNF-Î± stimulation is restricted to system y⁺. American Journal of Physiology - Cell Physiology, 2002, 282, C134-C143.	4.6	58
12	Amino acids are compatible osmolytes for volume recovery after hypertonic shrinkage in vascular endothelial cells. American Journal of Physiology - Cell Physiology, 1999, 276, C865-C872.	4.6	57
13	In Lysinuric Protein Intolerance system y+L activity is defective in monocytes and in GM-CSF-differentiated macrophages. Orphanet Journal of Rare Diseases, 2010, 5, 32.	2.7	57
14	Membrane Potential Changes Visualized in Complete Growth Media through Confocal Laser Scanning Microscopy of bis-Oxonol-Loaded Cells. Experimental Cell Research, 1997, 231, 260-267.	2.6	55
15	Glutamine depletion by crisantaspase hinders the growth of human hepatocellular carcinoma xenografts. British Journal of Cancer, 2014, 111, 1159-1167.	6.4	55
16	Arginine transport through system y⁺L in cultured human fibroblasts: normal phenotype of cells from LPI subjects. American Journal of Physiology - Cell Physiology, 2000, 279, C1829-C1837.	4.6	53
17	Inhibition of Glutamine Synthetase Triggers Apoptosis in Asparaginase-Resistant Cells. Cellular Physiology and Biochemistry, 2005, 15, 281-292.	1.6	46
18	L-Asparaginase and Inhibitors of Glutamine Synthetase Disclose Glutamine Addiction of Î²-Catenin-Mutated Human Hepatocellular Carcinoma Cells. Current Cancer Drug Targets, 2011, 11, 929-943.	1.6	45

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19	Arginine transport in human monocytic leukemia THP-1 cells during macrophage differentiation. Journal of Leukocyte Biology, 2011, 90, 293-303.	3.3	38
20	Downregulation of SLC7A7 Triggers an Inflammatory Phenotype in Human Macrophages and Airway Epithelial Cells. Frontiers in Immunology, 2018, 9, 508.	4.8	37
21	The synthesis of SNAT2 transporters is required for the hypertonic stimulation of system A transport activity. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1667, 157-166.	2.6	35
22	Impaired phagocytosis in macrophages from patients affected by lysinuric protein intolerance. Molecular Genetics and Metabolism, 2012, 105, 585-589.	1.1	35
23	The role of system A for neutral amino acid transport in the regulation of cell volume. Molecular Membrane Biology, 2001, 18, 27-38.	2.0	34
24	Amino acid depletion activates TonEBP and sodium-coupled inositol transport. American Journal of Physiology - Cell Physiology, 2001, 280, C1465-C1474.	4.6	32
25	SNAT2 silencing prevents the osmotic induction of transport system A and hinders cell recovery from hypertonic stress. FEBS Letters, 2005, 579, 3376-3380.	2.8	32
26	INFÎ³ stimulates arginine transport through system y+L in human monocytes. FEBS Letters, 2004, 571, 177-181.	2.8	30
27	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. Amino Acids, 2012, 43, 2561-2567.	2.7	29
28	y+LAT1 and y+LAT2 contribution to arginine uptake in different human cell models: Implications in the pathophysiology of Lysinuric Protein Intolerance. Journal of Cellular and Molecular Medicine, 2020, 24, 921-929.	3.6	28
29	Effect of insulin on the activity of amino acid transport systems in cultured human fibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 1985, 844, 216-223.	4.1	27
30	The transport of l-glutamine into cultured human fibroblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1052, 106-112.	4.1	27
31	Hypertonicity Induces Injury to Cultured Human Endothelium: Attenuation by Glutamine. Annals of Thoracic Surgery, 1997, 64, 1770-1775.	1.3	27
32	The transport of cationic amino acids in human airway cells: expression of system y + L activity and transepithelial delivery of NOS inhibitors. FASEB Journal, 2005, 19, 1-26.	0.5	27
33	Endothelial Cell Activation by SARS-CoV-2 Spike S1 Protein: A Crosstalk between Endothelium and Innate Immune Cells. Biomedicines, 2021, 9, 1220.	3.2	27
34	Effect of extracellular potassium on amino acid transport and membrane potential in fetal human fibroblasts. Biochimica Et Biophysica Acta - Biomembranes, 1986, 854, 240-250.	2.6	26
35	The stimulation of arginine transport by TNFÎ± in human endothelial cells depends on NF-ÎºB activation. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1664, 45-52.	2.6	25
36	Human macrophage differentiation induces OCTN2â€“mediated L-carnitine transport through stimulation of mTORâ€“STAT3 axis. Journal of Leukocyte Biology, 2017, 101, 665-674.	3.3	25

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37	Functional activity of L-carnitine transporters in human airway epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 210-219.	2.6	24
38	Arginine transport in human erythroid cells: discrimination of CAT1 and 4F2hc/y+LAT2 roles. Pflugers Archiv European Journal of Physiology, 2009, 458, 1163-1173.	2.8	23
39	Functional characterization of the organic cation transporters (OCTs) in human airway pulmonary epithelial cells. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1563-1572.	2.6	22
40	Rapamycin stimulates arginine influx through CAT2 transporters in human endothelial cells. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1479-1487.	2.6	21
41	Adaptive regulation of amino acid transport in cultured avian fibroblasts. Influence of the amino acid composition of the culture media. Biochimica Et Biophysica Acta - Biomembranes, 1978, 507, 165-174.	2.6	20
42	Alveolar Macrophages from Normal Subjects Lack the NOS-Related System y+for Arginine Transport. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 105-112.	2.9	20
43	Regulatory volume decrease of cultured human fibroblasts involves changes in intracellular amino-acid pool. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1220, 139-145.	4.1	19
44	Regulation of arginine transport and metabolism by Protein Kinase CÎ± in endothelial cells: stimulation of CAT2 transporters and arginase activity. Journal of Molecular and Cellular Cardiology, 2010, 49, 260-270.	1.9	19
45	CFTR Expression in C127 Cells Is Associated with Enhanced Cell Shrinkage and ATP Extrusion in Clâ^'-Free Medium. Biochemical and Biophysical Research Communications, 1996, 227, 755-761.	2.1	18
46	Characterization of ABC Transporters in EpiAirwayâ„¢, a Cellular Model of Normal Human Bronchial Epithelium. International Journal of Molecular Sciences, 2020, 21, 3190.	4.1	18
47	Gliadin activates arginase pathway in RAW264.7 cells and in human monocytes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 1364-1371.	3.8	17
48	Gluten peptides drive healthy and celiac monocytes toward an M2-like polarization. Journal of Nutritional Biochemistry, 2018, 54, 11-17.	4.2	17
49	PKC-dependent stimulation of EAAT3 glutamate transporter does not require the integrity of actin cytoskeleton. Neurochemistry International, 2006, 48, 341-349.	3.8	16
50	Immune-Mediated Inflammatory Responses of Alveolar Epithelial Cells: Implications for COVID-19 Lung Pathology. Biomedicines, 2022, 10, 618.	3.2	16
51	Gliadin-mediated production of polyamines by RAW264.7 macrophages modulates intestinal epithelial permeability in vitro. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1779-1786.	3.8	14
52	Post-translational control by carrier availability of amino acid transport in fetal human fibroblasts. Biochemical and Biophysical Research Communications, 1984, 120, 172-178.	2.1	13
53	Membrane potential and amino acid transport in a mutant chinese hamster ovary cell line. Journal of Cellular Physiology, 1991, 146, 417-424.	4.1	13
54	Perturbation of Na+ and K+ gradients in human fibroblasts incubated in unsupplemented saline solutions. Biochimica Et Biophysica Acta - Biomembranes, 1986, 860, 1-8.	2.6	12

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55	Employment of Confocal Microscopy for the Dynamic Visualization of Domes in Intact Epithelial Cell Cultures. Cells Tissues Organs, 2002, 170, 237-245.	2.3	12
56	The preferential interaction of l-threonine with transport system ASC in cultured human fibroblasts. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1070, 305-312.	2.6	10
57	Monocytes from infliximab-resistant patients with Crohnâ€™s disease exhibit a disordered cytokine profile. Scientific Reports, 2020, 10, 12238.	3.3	10
58	The non-proteinogenic amino acids l-methionine sulfoximine and dl-phosphinothricin activate mTOR. Amino Acids, 2012, 42, 2507-2512.	2.7	9
59	Functional analysis of OCTN2 and ATB0,+ in normal human airway epithelial cells. PLoS ONE, 2020, 15, e0228568.	2.5	9
60	Amino Acid and Sugar Transport in Mouse 3T3 Cells Expressing Activated ras and neu Oncogenes. Annals of the New York Academy of Sciences, 1988, 551, 374-377.	3.8	8
61	The transport of L-arginine in Chinese hamster ovary cells. Biochemical and Biophysical Research Communications, 1989, 164, 1093-1098.	2.1	8
62	Ethanol Increases the Paracellular Permeability of Monolayers of CAPAN-1 Pancreatic Duct Cells. Journal of Molecular Histology, 2003, 35, 355-362.	2.2	8
63	Organic Cation Transporters (OCTs) in EpiAirwayâ„¢, a Cellular Model of Normal Human Bronchial Epithelium. Biomedicines, 2020, 8, 127.	3.2	8
64	Modulation of transport systems for neutral and anionic amino acids in mesenchymal cells. Biochemical Society Transactions, 1996, 24, 864-869.	3.4	7
65	Chlorpromazine, clozapine and olanzapine inhibit anionic amino acid transport in cultured human fibroblasts. Amino Acids, 2006, 31, 93-99.	2.7	7
66	Radiochemical high-performance liquid chromatography detection of arginine metabolism in human endothelial cells. Analytical Biochemistry, 2012, 424, 156-161.	2.4	7
67	Analysis of LPI-causing mutations on y+LAT1 function and localization. Orphanet Journal of Rare Diseases, 2019, 14, 63.	2.7	6
68	Flagellin From Pseudomonas Aeruginosa Stimulates ATB0,+ Transporter for Arginine and Neutral Amino Acids in Human Airway Epithelial Cells. Frontiers in Immunology, 2021, 12, 641563.	4.8	6
69	Endothelial cell injury induced by preservation solutions: a confocal microscopy study. Annals of Thoracic Surgery, 2002, 73, 1606-1614.	1.3	5
70	Organic cation transporters (OCTs/OCTNs) in human primary alveolar epithelial cells. Biochemical and Biophysical Research Communications, 2021, 576, 27-32.	2.1	5
71	Desmopressin Stimulates Nitric Oxide Production in Human Lung Microvascular Endothelial Cells. Biomolecules, 2022, 12, 389.	4.0	3
72	Glycine transport by cultured human fibroblasts. Biochemical and Biophysical Research Communications, 1988, 152, 617-622.	2.1	0

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73	Effects of taurine and other amino acids on the phenotype of F508â€CFTR cells. FASEB Journal, 2006, 20, A1039.	0.5	0
74	Chronic exposure to rapamycin induces endothelial dysfunction in vitro. FASEB Journal, 2007, 21, A750.	0.5	0
75	Alterations of arginine in Lysinuric Protein Intolerance (LPI) macrophages. FASEB Journal, 2013, 27, lb475.	0.5	0
76	Derangements of Cationic Amino Acid Transport in Fibroblasts from Human Desmoid Tumor. , 1988, , 467-473.		0