

Maria Pilar Lostao

List of Publications by Year in descending order

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60
papers

2,037
citations

279798

23
h-index

243625

44
g-index

62
all docs

62
docs citations

62
times ranked

2060
citing authors

#	ARTICLE	IF	CITATIONS
1	Defects in Na ⁺ /glucose cotransporter (SGLT1) trafficking and function cause glucose-galactose malabsorption. <i>Nature Genetics</i> , 1996, 12, 216-220.	21.4	261
2	Membrane Topology of the Human Na ⁺ /Glucose Cotransporter SGLT1. <i>Journal of Biological Chemistry</i> , 1996, 271, 1925-1934.	3.4	155
3	Distribution of the long leptin receptor isoform in brush border, basolateral membrane, and cytoplasm of enterocytes. <i>Gut</i> , 2002, 50, 797-802.	12.1	153
4	Cell entry and export of nucleoside analogues. <i>Virus Research</i> , 2005, 107, 151-164.	2.2	127
5	Presence of leptin receptors in rat small intestine and leptin effect on sugar absorption. <i>FEBS Letters</i> , 1998, 423, 302-306.	2.8	110
6	Phenylglucosides and the Na ⁺ /glucose cotransporter (SGLT1): Analysis of interactions. <i>Journal of Membrane Biology</i> , 1994, 142, 161-70.	2.1	86
7	Role of the Human Concentrative Nucleoside Transporter (hCNT1) In the Cytotoxic Action of 5[Prime]-Deoxy-5-fluorouridine, an Active Intermediate Metabolite of Capecitabine, a Novel Oral Anticancer Drug. <i>Molecular Pharmacology</i> , 2001, 59, 1542-1548.	2.3	79
8	Compound missense mutations in the sodium/D-glucose cotransporter result in trafficking defects. <i>Gastroenterology</i> , 1997, 112, 1206-1212.	1.3	62
9	Kinetic and specificity differences between rat, human, and rabbit Na ⁺ -glucose cotransporters (SGLT-1). <i>American Journal of Physiology - Renal Physiology</i> , 1996, 270, G919-G926.	3.4	60
10	Electrogenic uptake of nucleosides and nucleoside-derived drugs by the human nucleoside transporter 1 (hCNT1) expressed in <i>Xenopus laevis</i> oocytes. <i>FEBS Letters</i> , 2000, 481, 137-140.	2.8	52
11	Glycoside Binding and Translocation in Na ⁺ -Dependent Glucose Cotransporters: Comparison of SGLT1 and SGLT3. <i>Journal of Membrane Biology</i> , 2000, 176, 111-117.	2.1	50
12	Helichrysum and Grapefruit Extracts Inhibit Carbohydrate Digestion and Absorption, Improving Postprandial Glucose Levels and Hyperinsulinemia in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12012-12019.	5.2	45
13	Luminal leptin inhibits l-glutamine transport in rat small intestine: involvement of ASCT2 and BOAT1. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G179-G185.	3.4	43
14	Electrophysiological Characterization of the Human Na ⁺ /Nucleoside Cotransporter 1 (hCNT1) and Role of Adenosine on hCNT1 Function. <i>Journal of Biological Chemistry</i> , 2004, 279, 8999-9007.	3.4	41
15	Further Characterization of the Electrogenicity and pH Sensitivity of the Human Organic Anion-Transporting Polypeptides OATP1B1 and OATP1B3. <i>Molecular Pharmacology</i> , 2011, 79, 596-607.	2.3	39
16	Interaction of Nucleoside Inhibitors of HIV-1 Reverse Transcriptase with the Concentrative Nucleoside Transporter-1 (Slc28A1). <i>Antiviral Therapy</i> , 2004, 9, 993-1002.	1.0	39
17	Glycoside Binding and Translocation in Na ⁺ -Dependent Glucose Cotransporters: Comparison of SGLT1 and SGLT3. <i>Journal of Membrane Biology</i> , 2000, 176, 111-117.	2.1	37
18	Intestinal d-Galactose Transport in an Endotoxemia Model in the Rabbit. <i>Journal of Membrane Biology</i> , 2007, 176, 125-133.	2.1	34

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19	Arginine-427 in the Na ⁺ /glucose cotransporter (SGLT1) is involved in trafficking to the plasma membrane. <i>FEBS Letters</i> , 1995, 377, 181-184.	2.8	33
20	Luminal leptin inhibits intestinal sugar absorption in vivo. <i>Acta Physiologica</i> , 2007, 190, 303-310.	3.8	30
21	Transport of Proline and Hydroxyproline by the Neutral Amino-acid Exchanger ASCT1. <i>Journal of Membrane Biology</i> , 2003, 195, 27-32.	2.1	28
22	Inhibitory effect of TNF- α on the intestinal absorption of galactose. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 99-111.	2.6	27
23	Leptin regulates sugar and amino acids transport in the human intestinal cell line Caco-2. <i>Acta Physiologica</i> , 2012, 205, 82-91.	3.8	25
24	Nucleoside transporters in absorptive epithelia. <i>Journal of Physiology and Biochemistry</i> , 2002, 58, 207-216.	3.0	24
25	Compensatory effects of the human nucleoside transporters on the response to nucleoside-derived drugs in breast cancer MCF7 cells. <i>Biochemical Pharmacology</i> , 2008, 75, 639-648.	4.4	23
26	TNF- α regulates sugar transporters in the human intestinal epithelial cell line Caco-2. <i>Cytokine</i> , 2013, 64, 181-187.	3.2	23
27	Could GLUT12 be a Potential Therapeutic Target in Cancer Treatment? A Preliminary Report. <i>Journal of Cancer</i> , 2015, 6, 139-143.	2.5	23
28	Involvement of PKC and PKA in the inhibitory effect of leptin on intestinal galactose absorption. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 717-721.	2.1	22
29	Na ⁺ and pH dependence of proline and beta-alanine absorption in rat small intestine. <i>Acta Physiologica</i> , 2006, 186, 271-278.	3.8	21
30	Leptin effect on galactose absorption in mice jejunum. <i>Journal of Physiology and Biochemistry</i> , 2001, 57, 345-346.	3.0	20
31	Lipopolysaccharide Induces Inhibition of Galactose Intestinal Transport in Rabbits <i>in vitro</i> . <i>Cellular Physiology and Biochemistry</i> , 2008, 22, 715-724.	1.6	18
32	The facilitative glucose transporter GLUT12: what do we know and what would we like to know?. <i>Journal of Physiology and Biochemistry</i> , 2013, 69, 325-333.	3.0	18
33	GLUT12 and adipose tissue: Expression, regulation and its relation with obesity in mice. <i>Acta Physiologica</i> , 2019, 226, e13283.	3.8	17
34	Characterization of the rat Na ⁺ /nucleoside cotransporter 2 and transport of nucleoside-derived drugs using electrophysiological methods. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1395-C1404.	4.6	16
35	EPA blocks TNF- α -induced inhibition of sugar uptake in Caco-2 cells via GPR120 and AMPK. <i>Journal of Cellular Physiology</i> , 2018, 233, 2426-2433.	4.1	16
36	Expression of the Glucose Transporter GLUT12 in Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 97-101.	2.6	15

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37	Functional characterization of the human facilitative glucose transporter 12 (GLUT12) by electrophysiological methods. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C1008-C1022.	4.6	15
38	GLUT12 Expression in Brain of Mouse Models of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2020, 57, 798-805.	4.0	14
39	Functional analysis of the human concentrative nucleoside transporter-1 variant hCNT1S546P provides insight into the sodium-binding pocket. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C257-C266.	4.6	12
40	Leptin effect on intestinal galactose absorption in ob/ob and db/db mice. <i>Journal of Physiology and Biochemistry</i> , 2004, 60, 93-97.	3.0	11
41	Effect of adrenomedullin and proadrenomedullin N-terminal 20 peptide on sugar transport in the rat intestine. <i>Regulatory Peptides</i> , 2005, 129, 147-154.	1.9	11
42	Cardiotrophin-1 decreases intestinal sugar uptake in mice and in Caco-2 cells. <i>Acta Physiologica</i> , 2016, 217, 217-226.	3.8	11
43	DHA and its derived lipid mediators MaR1, RvD1 and RvD2 block TNF- α inhibition of intestinal sugar and glutamine uptake in Caco-2 cells. <i>Journal of Nutritional Biochemistry</i> , 2020, 76, 108264.	4.2	11
44	Cytokine effect on intestinal galactose absorption. <i>Journal of Physiology and Biochemistry</i> , 2002, 58, 61-62.	3.0	10
45	Transport of d-galactose by the gastrointestinal tract of the locust, <i>Locusta migratoria</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 143, 20-26.	1.6	9
46	GLUT12 expression and regulation in murine small intestine and human Caco-2 cells. <i>Journal of Cellular Physiology</i> , 2019, 234, 4396-4408.	4.1	9
47	Fluorescent Nucleoside Derivatives as a Tool for the Detection of Concentrative Nucleoside Transporter Activity Using Confocal Microscopy and Flow Cytometry. <i>Molecular Pharmaceutics</i> , 2015, 12, 2158-2166.	4.6	8
48	In vivo regulation of intestinal absorption of amino acids by leptin. <i>Journal of Endocrinology</i> , 2015, 224, 17-23.	2.6	8
49	Effects of Na ⁺ and H ⁺ on steady-state and presteady-state currents of the human concentrative nucleoside transporter 3 (hCNT3). <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 460, 617-632.	2.8	6
50	Basolateral presence of the proinflammatory cytokine tumor necrosis factor- α and secretions from adipocytes and macrophages reduce intestinal sugar transport. <i>Journal of Cellular Physiology</i> , 2019, 234, 4352-4361.	4.1	6
51	Effect of aging and obesity on GLUT12 expression in small intestine, adipose tissue, muscle, and kidney and its regulation by docosahexaenoic acid and exercise in mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020, 45, 957-967.	1.9	6
52	The Molecular Basis of Glucose Galactose Malabsorption in a Large Swedish Pedigree. <i>Function</i> , 2021, 2, zqab040.	2.3	4
53	Functional expression of the short isoform of the murine leptin receptor Ob-Rc (muB1.219) in <i>Xenopus laevis</i> oocytes. <i>Journal of Physiology and Biochemistry</i> , 2003, 59, 119-126.	3.0	3
54	Basal leptin regulates amino acid uptake in polarized Caco-2 cells. <i>Journal of Physiology and Biochemistry</i> , 2013, 69, 507-512.	3.0	3

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55	Modulation of intestinal L-glutamate transport by luminal leptin. <i>Journal of Physiology and Biochemistry</i> , 2015, 71, 311-317.	3.0	3
56	Galactose transport inhibition by cytochalasin E in rat intestine in vitro. <i>Canadian Journal of Physiology and Pharmacology</i> , 1999, 77, 96-101.	1.4	2
57	Cytoskeleton involvement on intestinal absorption processes. <i>Journal of Physiology and Biochemistry</i> , 2000, 56, 25-32.	3.0	1
58	Interaction of nucleoside derivatives with the human Na ⁺ /nucleoside cotransporters CNT1 and CNT3. <i>FASEB Journal</i> , 2008, 22, 133-133.	0.5	1
59	Active transport of alanine by the neutral amino-acid exchanger ASCT1. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001, 79, 1023-1029.	1.4	1
60	W1578 ASCT2 and B ⁰ AT1 Are Involved in Leptin-Sensitive Na ⁺ -Dependent L-Glutamine Transport in Rat Small Intestine. <i>Gastroenterology</i> , 2009, 136, A-695.	1.3	0