Vadivel Ganapathy

List of Publications by Year
in descending order

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161 papers	13,232 citations	30551 56 h-index	31191 106 g-index
168 all docs	168 docs citations	168 times ranked	16100 citing authors

#	Article	IF	Citations
1	Activation of Gpr109a, Receptor for Niacin and the Commensal Metabolite Butyrate, Suppresses Colonic Inflammation and Carcinogenesis. Immunity, 2014, 40, 128-139.	6.6	1,654
2	Expression cloning of a mammalian proton-coupled oligopeptide transporter. Nature, 1994, 368, 563-566.	13.7	838
3	The Cystine/Glutamate Antiporter System x_c^{â˜’}in Health and Disease: From Molecular Mechanisms to Novel Therapeutic Opportunities. Antioxidants and Redox Signaling, 2013, 18, 522-555.	2.5	689
4	Nutrient transporters in cancer: Relevance to Warburg hypothesis and beyond. , 2009, 121, 29-40.		613
5	Amino Acid Transporters in Cancer and Their Relevance to â€œGlutamine Addictionâ€: Novel Targets for the Design of a New Class of Anticancer Drugs. Cancer Research, 2015, 75, 1782-1788.	0.4	374
6	Peptide Transporters in the Intestine and the Kidney. Annual Review of Nutrition, 1996, 16, 99-119.	4.3	294
7	Cloning and Functional Characterization of a Ïƒ Receptor from Rat Brain. Journal of Neurochemistry, 1998, 70, 922-931.	2.1	256
8	Functional Identification of SLC5A8, a Tumor Suppressor Down-regulated in Colon Cancer, as a Na+-coupled Transporter for Short-chain Fatty Acids. Journal of Biological Chemistry, 2004, 279, 13293-13296.	1.6	245
9	Cloning of an Amino Acid Transporter with Functional Characteristics and Tissue Expression Pattern Identical to That of System A. Journal of Biological Chemistry, 2000, 275, 16473-16477.	1.6	241
10	Glutamine transporters in mammalian cells and their functions in physiology and cancer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2531-2539.	1.9	234
11	Transporters and receptors for short-chain fatty acids as the molecular link between colonic bacteria and the host. Current Opinion in Pharmacology, 2013, 13, 869-874.	1.7	229
12	DNMT1 is essential for mammary and cancer stem cell maintenance and tumorigenesis. Nature Communications, 2015, 6, 6910.	5.8	204
13	Sodium-coupled Monocarboxylate Transporters in Normal Tissues and in Cancer. AAPS Journal, 2008, 10, 193-9.	2.2	189
14	Transporter-Guided Delivery of Nanoparticles to Improve Drug Permeation across Cellular Barriers and Drug Exposure to Selective Cell Types. Frontiers in Pharmacology, 2018, 9, 27.	1.6	184
15	Shortâ€Chain Fatty Acid Transporters: Role in Colonic Homeostasis. , 2017, 8, 299-314.		176
16	Rapid Report. Journal of Physiology, 2001, 532, 297-304.	1.3	174
17	Lactate/GPR81 signaling and proton motive force in cancer: Role in angiogenesis, immune escape, nutrition, and Warburg phenomenon. , 2020, 206, 107451.		174
18	SLC6A14 (ATB0,+) Protein, a Highly Concentrative and Broad Specific Amino Acid Transporter, Is a Novel and Effective Drug Target for Treatment of Estrogen Receptor-positive Breast Cancer. Journal of Biological Chemistry, 2011, 286, 31830-31838.	1.6	157

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19	Exonâ€Intron Structure, Analysis of Promoter Region, and Chromosomal Localization of the Human Type 1 Ïƒ Receptor Gene. Journal of Neurochemistry, 1998, 70, 443-451.	2.1	143
20	SLC19: the folate/thiamine transporter family. Pflugers Archiv European Journal of Physiology, 2004, 447, 641-646.	1.3	140
21	The lactate receptor GPR81 promotes breast cancer growth via a paracrine mechanism involving antigen-presenting cells in the tumor microenvironment. Oncogene, 2020, 39, 3292-3304.	2.6	140
22	SLC5A8 Triggers Tumor Cell Apoptosis through Pyruvate-Dependent Inhibition of Histone Deacetylases. Cancer Research, 2006, 66, 11560-11564.	0.4	132
23	Colon cancer cells maintain low levels of pyruvate to avoid cell death caused by inhibition of HDAC1/HDAC3. Biochemical Journal, 2009, 417, 379-389.	1.7	129
24	Colonic Gene Expression in Conventional and Germ-Free Mice with a Focus on the Butyrate Receptor GPR109A and the Butyrate Transporter SLC5A8. Journal of Gastrointestinal Surgery, 2010, 14, 449-461.	0.9	127
25	Structure, Function, and Expression Pattern of a Novel Sodium-coupled Citrate Transporter (NaCT) Cloned from Mammalian Brain. Journal of Biological Chemistry, 2002, 277, 39469-39476.	1.6	124
26	Combined Inhibition of DNMT and HDAC Blocks the Tumorigenicity of Cancer Stem-like Cells and Attenuates Mammary Tumor Growth. Cancer Research, 2016, 76, 3224-3235.	0.4	122
27	Human Na+-coupled citrate transporter: primary structure, genomic organization, and transport function. Biochemical and Biophysical Research Communications, 2002, 299, 465-471.	1.0	120
28	Slc5a8, a Na+-coupled high-affinity transporter for short-chain fatty acids, is a conditional tumour suppressor in colon that protects against colitis and colon cancer under low-fibre dietary conditions. Biochemical Journal, 2015, 469, 267-278.	1.7	118
29	Identity of SMCT1 (SLC5A8) as a neuron-specific Na+-coupled transporter for active uptake of l-lactate and ketone bodies in the brain. Journal of Neurochemistry, 2006, 98, 279-288.	2.1	117
30	Citrate transport and metabolism in mammalian cells. BioEssays, 2009, 31, 10-20.	1.2	116
31	Structure, function, and genomic organization of human Na⁺-dependent high-affinity dicarboxylate transporter. American Journal of Physiology - Cell Physiology, 2000, 278, C1019-C1030.	2.1	114
32	Structure, Function, and Tissue Expression Pattern of Human SN2, a Subtype of the Amino Acid Transport System N. Biochemical and Biophysical Research Communications, 2001, 281, 1343-1348.	1.0	112
33	Upregulation of the amino acid transporter ATB0,+ (SLC6A14) in colorectal cancer and metastasis in humans. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2005, 1741, 215-223.	1.8	111
34	Interaction of tryptophan derivatives with SLC6A14 (ATB0,+) reveals the potential of the transporter as a drug target for cancer chemotherapy. Biochemical Journal, 2008, 414, 343-355.	1.7	110
35	Sigma 1 receptor regulates the oxidative stress response in primary retinal MÃ¼ller glial cells via NRF2 signaling and system xcâ», the Na+-independent glutamateâ€“cystine exchanger. Free Radical Biology and Medicine, 2015, 86, 25-36.	1.3	109
36	Taurine uptake across the human intestinal brushâ€border membrane is via two transporters: H⁺â€coupled PAT1 (SLC36A1) and Na⁺â€and Cl^{â»}â€dependent TauT (SLC6A6). Journal of Physiology, 2009, 587, 731-744.	1.3	106

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37	Cloning and functional characterization of a new subtype of the amino acid transport system N. American Journal of Physiology - Cell Physiology, 2001, 281, C1757-C1768.	2.1	104
38	GPR81, a Cell-Surface Receptor for Lactate, Regulates Intestinal Homeostasis and Protects Mice from Experimental Colitis. Journal of Immunology, 2018, 200, 1781-1789.	0.4	99
39	Transport of Nicotinate and Structurally Related Compounds by Human SMCT1 (SLC5A8) and Its Relevance to Drug Transport in the Mammalian Intestinal Tract. Pharmaceutical Research, 2007, 24, 575-584.	1.7	98
40	Primary Structure, Genomic Organization, and Functional and Electrogenic Characteristics of Human System N 1, a Na+- and H+-coupled Glutamine Transporter. Journal of Biological Chemistry, 2000, 275, 23707-23717.	1.6	94
41	Up-regulation of the amino acid transporter ATB0,+ (SLC6A14) in carcinoma of the cervix. Gynecologic Oncology, 2006, 100, 8-13.	0.6	94
42	Primary Structure and Functional Characteristics of a Mammalian Sodium-coupled High Affinity Dicarboxylate Transporter. Journal of Biological Chemistry, 1999, 274, 3422-3429.	1.6	93
43	Down-regulation of placental transport of amino acids precedes the development of intrauterine growth restriction in rats fed a low protein diet. Journal of Physiology, 2006, 576, 935-946.	1.3	89
44	Transport of d-Serine via the Amino Acid Transporter ATB0,+ Expressed in the Colon. Biochemical and Biophysical Research Communications, 2002, 291, 291-295.	1.0	84
45	The adaptive regulation of amino acid transport system A is associated to changes in ATA2 expression. FEBS Letters, 2001, 490, 11-14.	1.3	82
46	SLC transporters as a novel class of tumour suppressors: identity, function and molecular mechanisms. Biochemical Journal, 2016, 473, 1113-1124.	1.7	81
47	Functional features and genomic organization of mouse NaCT, a sodium-coupled transporter for tricarboxylic acid cycle intermediates. Biochemical Journal, 2004, 378, 949-957.	1.7	76
48	Functional and molecular identification of sodium-coupled dicarboxylate transporters in rat primary cultured cerebrocortical astrocytes and neurons. Journal of Neurochemistry, 2006, 97, 162-173.	2.1	72
49	Deletion of the amino acid transporter Slc6a14 suppresses tumour growth in spontaneous mouse models of breast cancer. Biochemical Journal, 2015, 469, 17-23.	1.7	72
50	Proton/peptide cotransporter (PEPT 2) from human kidney: Functional characterization and chromosomal localization. Biochimica Et Biophysica Acta - Biomembranes, 1995, 1240, 1-4.	1.4	67
51	Human sodium-coupled citrate transporter, the orthologue of Drosophila Indy, as a novel target for lithium action. Biochemical Journal, 2003, 374, 21-26.	1.7	67
52	Na++ Clâ^'-gradient-driven, high-affinity, uphill transport of taurine in human placental brush-border membrane vesicles. FEBS Letters, 1988, 231, 263-267.	1.3	66
53	Ambidextrous Approach To Disrupt Redox Balance in Tumor Cells with Increased ROS Production and Decreased GSH Synthesis for Cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 26722-26730.	4.0	66
54	The amino acid transporter SLC6A14 in cancer and its potential use in chemotherapy. Asian Journal of Pharmaceutical Sciences, 2014, 9, 293-303.	4.3	65

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55	<scp>L</scp>-Carnitine-conjugated nanoparticles to promote permeation across bloodâ€“brain barrier and to target glioma cells for drug delivery via the novel organic cation/carnitine transporter OCTN2. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-12.	1.9	64
56	Expression and functional features of NaCT, a sodium-coupled citrate transporter, in human and rat livers and cell lines. American Journal of Physiology - Renal Physiology, 2007, 292, G402-G408.	1.6	62
57	Dual targeting of <scp>l</scp>-carnitine-conjugated nanoparticles to OCTN2 and ATB^{0,+} to deliver chemotherapeutic agents for colon cancer therapy. Drug Delivery, 2017, 24, 1338-1349.	2.5	62
58	Plasma Membrane Na+-Coupled Citrate Transporter (SLC13A5) and Neonatal Epileptic Encephalopathy. Molecules, 2017, 22, 378.	1.7	62
59	Targeting the sodium-dependent multivitamin transporter (SMVT) for improving the oral absorption properties of a retro-inverso Tat nonapeptide. Pharmaceutical Research, 2001, 18, 950-956.	1.7	59
60	Drugs of abuse and human placenta. Life Sciences, 2011, 88, 926-930.	2.0	59
61	Extracellular Citrate Affects Critical Elements of Cancer Cell Metabolism and Supports Cancer Development In Vivo. Cancer Research, 2018, 78, 2513-2523.	0.4	59
62	Functional identity of Drosophila melanogaster Indy as a cation-independent, electroneutral transporter for tricarboxylic acid-cycle intermediates. Biochemical Journal, 2002, 367, 313-319.	1.7	58
63	Role of transporters in placental transfer of drugs. Toxicology and Applied Pharmacology, 2005, 207, 381-387.	1.3	57
64	Gpr109a Limits Microbiota-Induced IL-23 Production To Constrain ILC3-Mediated Colonic Inflammation. Journal of Immunology, 2018, 200, 2905-2914.	0.4	57
65	Short, but Smart: SCFAs Train T Cells in the Gut to Fight Autoimmunity in the Brain. Immunity, 2015, 43, 629-631.	6.6	56
66	Cell-surface G-protein-coupled receptors for tumor-associated metabolites: A direct link to mitochondrial dysfunction in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1868, 246-257.	3.3	53
67	Cell-Surface and Nuclear Receptors in the Colon as Targets for Bacterial Metabolites and Its Relevance to Colon Health. Nutrients, 2017, 9, 856.	1.7	52
68	Iron Overload Accelerates the Progression of Diabetic Retinopathy in Association with Increased Retinal Renin Expression. Scientific Reports, 2018, 8, 3025.	1.6	52
69	Transport systems for opioid peptides in mammalian tissues. AAPS Journal, 2005, 7, E852-E856.	2.2	51
70	Cotransporting Ion is a Trigger for Cellular Endocytosis of Transporterâ€Targeting Nanoparticles: A Case Study of Highâ€Efficiency SLC22A5 (OCTN2)â€Mediated Carnitineâ€Conjugated Nanoparticles for Oral Delivery of Therapeutic Drugs. Advanced Healthcare Materials, 2017, 6, 1700165.	3.9	51
71	Proton-coupled solute transport in the animal cell plasma membrane. Current Opinion in Cell Biology, 1991, 3, 695-701.	2.6	50
72	Functional Expression of the Serotonin Transporter in Immortalized Rat Brain Microvessel Endothelial Cells. Journal of Neurochemistry, 2000, 74, 1241-1248.	2.1	50

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73	Transport of the Photodynamic Therapy Agent 5-Aminolevulinic Acid by Distinct H⁺-Coupled Nutrient Carriers Coexpressed in the Small Intestine. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 220-228.	1.3	49
74	Transport of amino acid aryl amides by the intestinal H+/peptide cotransport system, PEPT1. FEBS Journal, 1998, 255, 698-702.	0.2	47
75	Interferon-Î³ induces a tryptophan-selective amino acid transporter in human colonic epithelial cells and mouse dendritic cells. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 453-462.	1.4	45
76	Localization of peptide transporter in nuclei and lysosomes of the pancreas. International Journal of Gastrointestinal Cancer, 1997, 22, 221-225.	0.4	44
77	Electrophysiological characteristics of the proton-coupled peptide transporter PEPT2 cloned from rat brain. American Journal of Physiology - Cell Physiology, 1998, 275, C967-C975.	2.1	44
78	IFNÎ³ Induces DNA Methylationâ€“Silenced GPR109A Expression via pSTAT1/p300 and H3K18 Acetylation in Colon Cancer. Cancer Immunology Research, 2015, 3, 795-805.	1.6	44
79	The Na+/Clâ¯-Coupled, Broad-Specific, Amino Acid Transporter SLC6A14 (ATB0,+): Emerging Roles in Multiple Diseases and Therapeutic Potential for Treatment and Diagnosis. AAPS Journal, 2018, 20, 12.	2.2	44
80	Association of 4F2hc with light chains LAT1, LAT2 or y+LAT2 requires different domains. Biochemical Journal, 2001, 355, 725-731.	1.7	43
81	Functional characterization of brain peptide transporter in rat cerebral cortex: identification of the high-affinity type H+/peptide transporter PEPT2. Brain Research, 2004, 997, 52-61.	1.1	42
82	Alterations of Retinal Vasculature in Cystathionineâ€“Î²-Synthase Heterozygous Mice. American Journal of Pathology, 2014, 184, 2573-2585.	1.9	42
83	Two oligopeptide transporters from Caenorhabditis elegans:molecular cloning and functional expression. Biochemical Journal, 1998, 332, 565-572.	1.7	39
84	The plasma membrane transporter SLC5A8 suppresses tumour progression through depletion of survivin without involving its transport function. Biochemical Journal, 2013, 450, 169-178.	1.7	39
85	Regulation of the cholesterol efflux transporters ABCA1 and ABCG1 in retina in hemochromatosis and by the endogenous siderophore 2,5-dihydroxybenzoic acid. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 603-612.	1.8	39
86	SLC6A14 and SLC38A5 Drive the Glutaminolysis and Serineâ€“Glycineâ€“One-Carbon Pathways in Cancer. Pharmaceuticals, 2021, 14, 216.	1.7	39
87	Transporter occluded-state conformation-induced endocytosis: Amino acid transporter ATB0,+-mediated tumor targeting of liposomes for docetaxel delivery for hepatocarcinoma therapy. Journal of Controlled Release, 2016, 243, 370-380.	4.8	35
88	Peptide transporters. Current Opinion in Nephrology and Hypertension, 1996, 5, 395-400.	1.0	34
89	Growth Factors Regulation of Rabbit Sodiumâ€Đependent Neutral Amino Acid Transporter ATB0 and Oligopeptide Transporter 1 mRNAs Expression after Enterectomy. Journal of Parenteral and Enteral Nutrition, 2001, 25, 65-72.	1.3	34
90	SLC6A14, a Na+/Clâ¯-coupled amino acid transporter, functions as a tumor promoter in colon and is a target for Wnt signaling. Biochemical Journal, 2020, 477, 1409-1425.	1.7	33

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91	Differential influence of cAMP on the expression of the three subtypes (ATA1, ATA2, and ATA3) of the amino acid transport system A. FEBS Letters, 2001, 505, 317-320.	1.3	32
92	Monomethylfumarate Induces Î³-Globin Expression and Fetal Hemoglobin Production in Cultured Human Retinal Pigment Epithelial (RPE) and Erythroid Cells, and in Intact Retina. , 2014, 55, 5382.		32
93	Therapeutic application and construction of bilirubin incorporated nanoparticles. Journal of Controlled Release, 2020, 328, 407-424.	4.8	32
94	Species-Specific Influence of Lithium on the Activity of SLC13A5 (NaCT): Lithium-Induced Activation Is Specific for the Transporter in Primates. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 17-26.	1.3	29
95	Pharmacologic inducers of the uric acid exporter ABCG2 as potential drugs for treatment of gouty arthritis. Asian Journal of Pharmaceutical Sciences, 2020, 15, 173-180.	4.3	29
96	Retinal Ganglion Cell Loss and Mild Vasculopathy in Methylene Tetrahydrofolate Reductase (Mthfr)-Deficient Mice: A Model of Mild Hyperhomocysteinemia. , 2015, 56, 2684.		28
97	Endocytosis of ATB^{0,+}(SLC6A14)-targeted liposomes for drug delivery and its therapeutic application for pancreatic cancer. Expert Opinion on Drug Delivery, 2020, 17, 395-405.	2.4	28
98	Molecular Mechanism of SLC5A8 Inactivation in Breast Cancer. Molecular and Cellular Biology, 2013, 33, 3920-3935.	1.1	27
99	Re-programming tumour cell metabolism to treat cancer: no lone target for lonidamine. Biochemical Journal, 2016, 473, 1503-1506.	1.7	25
100	Extracellular Citrate Fuels Cancer Cell Metabolism and Growth. Frontiers in Cell and Developmental Biology, 2020, 8, 602476.	1.8	25
101	Chronic exposure to excess iron promotes EMT and cancer via p53 loss in pancreatic cancer. Asian Journal of Pharmaceutical Sciences, 2020, 15, 237-251.	4.3	24
102	Gut Microbiome and Colon Cancer: Role of Bacterial Metabolites and Their Molecular Targets in the Host. Current Colorectal Cancer Reports, 2017, 13, 111-118.	1.0	23
103	Carbidopa is an activator of aryl hydrocarbon receptor with potential for cancer therapy. Biochemical Journal, 2017, 474, 3391-3402.	1.7	23
104	Renal iron accelerates the progression of diabetic nephropathy in the HFE gene knockout mouse model of iron overload. American Journal of Physiology - Renal Physiology, 2019, 317, F512-F517.	1.3	23
105	A comparison of caveolae and caveolin-1 to folate receptor alpha in retina and retinal pigment epithelium. The Histochemical Journal, 2001, 33, 149-158.	0.6	20
106	Oral Monomethyl Fumarate Therapy Ameliorates Retinopathy in a Humanized Mouse Model of Sickle Cell Disease. Antioxidants and Redox Signaling, 2016, 25, 921-935.	2.5	20
107	Consequences of NaCT/SLC13A5/mINDY deficiency: good versus evil, separated only by the bloodâ€“brain barrier. Biochemical Journal, 2021, 478, 463-486.	1.7	20
108	Hereditary hemochromatosis promotes colitis and colon cancer and causes bacterial dysbiosis in mice. Biochemical Journal, 2020, 477, 3867-3883.	1.7	20

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109	Expression and function of SLC38A5, an amino acid-coupled Na+/H+ exchanger, in triple-negative breast cancer and its relevance to macropinocytosis. Biochemical Journal, 2021, 478, 3957-3976.	1.7	20
110	Loss ofHfeLeads to Progression of Tumor Phenotype in Primary Retinal Pigment Epithelial Cells. , 2013, 54, 63.		19
111	OCTN2-targeted nanoparticles for oral delivery of paclitaxel: differential impact of the polyethylene glycol linker size on drug delivery inÂvitro, in situ, and inÂvivo. Drug Delivery, 2020, 27, 170-179.	2.5	19
112	RAD51AP1 Deficiency Reduces Tumor Growth by Targeting Stem Cell Self-Renewal. Cancer Research, 2020, 80, 3855-3866.	0.4	19
113	Human Serotonin Transporter: Regulation by the Neuroprotective Agent Aurintricarboxylic Acid and by Epidermal Growth Factor. Journal of Neurochemistry, 2002, 68, 1443-1450.	2.1	18
114	The Hepatic Plasma Membrane Citrate Transporter NaCT (SLC13A5) as a Molecular Target for Metformin. Scientific Reports, 2020, 10, 8536.	1.6	18
115	Deletion of Hemojuvelin, an Iron-Regulatory Protein, in Mice Results in Abnormal Angiogenesis and Vasculogenesis in Retina Along With Reactive Gliosis. , 2014, 55, 3616.		15
116	Functional Distinction between Human and Mouse Sodium-Coupled Citrate Transporters and Its Biologic Significance: An Attempt for Structural Basis Using a Homology Modeling Approach. Chemical Reviews, 2021, 121, 5359-5377.	23.0	15
117	Resetting amino acid metabolism of cancer cells by ATB0,+-targeted nanoparticles for enhanced anticancer therapy. Bioactive Materials, 2022, 9, 15-28.	8.6	15
118	Functional analysis of a species-specific inhibitor selective for human Na+-coupled citrate transporter (NaCT/SLC13A5/mINDY). Biochemical Journal, 2020, 477, 4149-4165.	1.7	15
119	Increased Retinal Expression of the Pro-Angiogenic Receptor GPR91 via BMP6 in a Mouse Model of Juvenile Hemochromatosis. , 2016, 57, 1612.		14
120	Nutrient Transporter Expression in the Jejunum in Relation to Body Mass Index in Patients Undergoing Bariatric Surgery. Nutrients, 2016, 8, 683.	1.7	13
121	SLC6A14 deficiency is linked to obesity, fatty liver, and metabolic syndrome but only under conditions of a high-fat diet. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166087.	1.8	13
122	RAD51AP1 Loss Attenuates Colorectal Cancer Stem Cell Renewal and Sensitizes to Chemotherapy. Molecular Cancer Research, 2021, 19, 1486-1497.	1.5	13
123	Hydroxyurea differentially modulates activator and repressors of Î³-globin gene in erythroblasts of responsive and non-responsive patients with sickle cell disease in correlation with Index of Hydroxyurea Responsiveness. Haematologica, 2017, 102, 1995-2004.	1.7	12
124	Synergism between SLC6A14 blockade and gemcitabine in pancreactic cancer: a 1H-NMR-based metabolomic study in pancreatic cancer cells. Biochemical Journal, 2020, 477, 1923-1937.	1.7	12
125	L-2-oxothiazolidine-4-carboxylic acid attenuates oxidative stress and inflammation in retinal pigment epithelium. Molecular Vision, 2014, 20, 73-88.	1.1	11
126	Deficiency of Dietary Fiber in Slc5a8-Null Mice Promotes Bacterial Dysbiosis and Alters Colonic Epithelial Transcriptome towards Proinflammatory Milieu. Canadian Journal of Gastroenterology and Hepatology, 2019, 2019, 1-12.	0.8	10

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127	PEPT1 is essential for the growth of pancreatic cancer cells: a viable drug target. Biochemical Journal, 2021, 478, 3757-3774.	1.7	10
128	Deletion of Slc6a14 reduces cancer growth and metastatic spread and improves survival in KPC mouse model of spontaneous pancreatic cancer. Biochemical Journal, 2022, 479, 719-730.	1.7	10
129	TBX2 Drives Neuroendocrine Prostate Cancer through Exosome-Mediated Repression of miR-200c-3p. Cancers, 2021, 13, 5020.	1.7	9
130	Unconventional Functions of Amino Acid Transporters: Role in Macropinocytosis (SLC38A5/SLC38A3) and Diet-Induced Obesity/Metabolic Syndrome (SLC6A19/SLC6A14/SLC6A6). Biomolecules, 2022, 12, 235.	1.8	9
131	Regulation of Reduced-Folate Transporter-1 in Retinal Pigment Epithelial Cells by Folate. Current Eye Research, 2005, 30, 35-44.	0.7	8
132	Retinal expression of the serine protease matriptase-2 (Tmprss6) and its role in retinal iron homeostasis. Molecular Vision, 2014, 20, 561-74.	1.1	8
133	Development of Dipeptide Transport in Rat Renal Brush Border Menbranes: Studies with Glycylsarcosine. Pediatric Research, 1987, 22, 641-646.	1.1	7
134	Regulation of Reduced-Folate Transporter-1 in Retinal Pigment Epithelial Cells by Folate. Current Eye Research, 2005, 30, 35-44.	0.7	7
135	Metformin, valproic acid, and starvation induce seizures in a patient with partial SLC13A5 deficiency: a case of pharmaco-synergistic heterozygosity. Psychiatric Genetics, 2021, 31, 32-35.	0.6	7
136	Hereditary hemochromatosis disrupts uric acid homeostasis and causes hyperuricemia via altered expression/activity of xanthine oxidase and ABCG2. Biochemical Journal, 2020, 477, 1499-1513.	1.7	7
137	High fructose-mediated attenuation of insulin receptor signaling does not affect PDGF-induced proliferative signaling in vascular smooth muscle cells. European Journal of Pharmacology, 2016, 791, 703-710.	1.7	6
138	Development and radiosynthesis of the first ¹⁸Fâ€labeled inhibitor of monocarboxylate transporters (MCTs). Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 411-424.	0.5	6
139	A home run for human NaCT/SLC13A5/INDY: cryo-EM structure and homology model to predict transport mechanisms, inhibitor interactions and mutational defects. Biochemical Journal, 2021, 478, 2051-2057.	1.7	6
140	Dishevelled-1 DIX and PDZ domain lysine residues regulate oncogenic Wnt signaling. Oncotarget, 2021, 12, 2234-2251.	0.8	6
141	Chemical validation and optimization of pharmacoperones targeting vasopressin type 2 receptor mutant. Biochemical Journal, 2018, 475, 2941-2953.	1.7	5
142	Transport Mechanisms for the Nutritional Supplement Î²-Hydroxy-Î²-Methylbutyrate (HMB) in Mammalian Cells. Pharmaceutical Research, 2019, 36, 84.	1.7	5
143	Rescue of mutant gonadotropin-releasing hormone receptor function independent of cognate receptor activity. Scientific Reports, 2020, 10, 10579.	1.6	5
144	Î±-Methyl-<scp>l</scp>-tryptophan as a weight-loss agent in multiple models of obesity in mice. Biochemical Journal, 2021, 478, 1347-1358.	1.7	5

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145	Protein Digestion and Assimilation. , 0, , 464-477.		4
146	Embryonic lethality in mice due to carnitine transporter OCTN2 defect and placental carnitine deficiency. Placenta, 2018, 69, 71-73.	0.7	4
147	Transport of 2,4-dichloro phenoxyacetic acid by human Na+-coupled monocarboxylate transporter 1 (hSMCT1, SLC5A8). Drug Metabolism and Pharmacokinetics, 2019, 34, 95-103.	1.1	4
148	Drosophila INDY and Mammalian INDY: Major Differences in Transport Mechanism and Structural Features despite Mostly Similar Biological Functions. Metabolites, 2021, 11, 669.	1.3	4
149	A traffic signal for heterodimeric amino acid transporters to transfer from the ER to the Golgi. Biochemical Journal, 2009, 417, e9-e11.	1.7	3
150	A Proton-Coupled Transport System for Î²-Hydroxy-Î²-Methylbutyrate (HMB) in Bloodâ€“Brain Barrier Endothelial Cell Line hCMEC/D3. Nutrients, 2021, 13, 3220.	1.7	3
151	Identity of the High-Affinity Sodium/Carboxylate Cotransporter NaC3 as the N-Acetyl-L-Aspartate Transporter. , 2006, 576, 67-76.		3
152	Heterologous Expression Systems for Studying Placental Transporters. , 2006, 122, 285-300.		2
153	Involvement of a Na+-coupled Oligopeptide Transport System for Î²-amyloid Peptide (AÎ²1â€“42) in Brain Cells. Pharmaceutical Research, 2020, 37, 98.	1.7	2
154	Editorial: Metabolite and Nutrient Transporters in Cancer-Cell Metabolism: Role in Cancer Progression and Metastasis. Frontiers in Cell and Developmental Biology, 2022, 10, 885717.	1.8	2
155	Characterization and subtype identification of the Na⁺-H⁺exchanger in bovine corneal epithelium. Current Eye Research, 1993, 12, 69-76.	0.7	1
156	Highâ€•and lowâ€•capacity taurine transport across the luminal membrane of the small intestinal epithelium. FASEB Journal, 2008, 22, 1202.3.	0.2	1
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