

Yoshikatsu Kanai

List of Publications by Year in descending order

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150
papers

15,566
citations

26567

56
h-index

17055

122
g-index

154
all docs

154
docs citations

154
times ranked

11739
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary structure and functional characterization of a high-affinity glutamate transporter. <i>Nature</i> , 1992, 360, 467-471.	13.7	1,276
2	Molecular identification of a renal urate anion exchanger that regulates blood urate levels. <i>Nature</i> , 2002, 417, 447-452.	13.7	1,270
3	Expression Cloning and Characterization of a Transporter for Large Neutral Amino Acids Activated by the Heavy Chain of 4F2 Antigen (CD98). <i>Journal of Biological Chemistry</i> , 1998, 273, 23629-23632.	1.6	945
4	Expression cloning of a mammalian proton-coupled oligopeptide transporter. <i>Nature</i> , 1994, 368, 563-566.	13.7	838
5	Human L-type amino acid transporter 1 (LAT1): characterization of function and expression in tumor cell lines. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1514, 291-302.	1.4	604
6	CATs and HATs: the SLC7 family of amino acid transporters. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 532-542.	1.3	587
7	Expression Cloning and Characterization of a Novel Multispecific Organic Anion Transporter. <i>Journal of Biological Chemistry</i> , 1997, 272, 18526-18529.	1.6	553
8	The SLC3 and SLC7 families of amino acid transporters. <i>Molecular Aspects of Medicine</i> , 2013, 34, 139-158.	2.7	516
9	Identification and Functional Characterization of a Na ⁺ -independent Neutral Amino Acid Transporter with Broad Substrate Selectivity. <i>Journal of Biological Chemistry</i> , 1999, 274, 19745-19751.	1.6	443
10	Transport of Amino Acid-Related Compounds Mediated by L-Type Amino Acid Transporter 1 (LAT1): Insights Into the Mechanisms of Substrate Recognition. <i>Molecular Pharmacology</i> , 2002, 61, 729-737.	1.0	361
11	Amino acid transporters revisited: New views in health and disease. <i>Trends in Biochemical Sciences</i> , 2018, 43, 752-789.	3.7	308
12	Impaired Amino Acid Transport at the Blood Brain Barrier Is a Cause of Autism Spectrum Disorder. <i>Cell</i> , 2016, 167, 1481-1494.e18.	13.5	265
13	The SLC1 high-affinity glutamate and neutral amino acid transporter family. <i>Molecular Aspects of Medicine</i> , 2013, 34, 108-120.	2.7	255
14	The 4F2hc/LAT1 complex transports l-DOPA across the blood-brain barrier. <i>Brain Research</i> , 2000, 879, 115-121.	1.1	253
15	L-type amino acid transporter 1 inhibitors inhibit tumor cell growth. <i>Cancer Science</i> , 2010, 101, 173-179.	1.7	216
16	Expression Cloning of a Na ⁺ -independent Aromatic Amino Acid Transporter with Structural Similarity to H ⁺ /Monocarboxylate Transporters. <i>Journal of Biological Chemistry</i> , 2001, 276, 17221-17228.	1.6	211
17	L-type amino acid transporter 1 as a potential molecular target in human astrocytic tumors. <i>International Journal of Cancer</i> , 2006, 119, 484-492.	2.3	211
18	L-type amino acid transporter 1 as a novel biomarker for high-grade malignancy in prostate cancer. <i>Pathology International</i> , 2009, 59, 7-18.	0.6	204

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19	Identification of a Novel System L Amino Acid Transporter Structurally Distinct from Heterodimeric Amino Acid Transporters. <i>Journal of Biological Chemistry</i> , 2003, 278, 43838-43845.	1.6	203
20	Organic Anion Transporter Family: Current Knowledge. <i>Journal of Pharmacological Sciences</i> , 2006, 100, 411-426.	1.1	186
21	Molecular Characteristics of Na ⁺ -coupled Glucose Transporters in Adult and Embryonic Rat Kidney. <i>Journal of Biological Chemistry</i> , 1995, 270, 29365-29371.	1.6	176
22	Identification of an Amino Acid Transporter Associated with the Cystinuria-related Type II Membrane Glycoprotein. <i>Journal of Biological Chemistry</i> , 1999, 274, 28845-28848.	1.6	158
23	Correlation of L-type amino acid transporter 1 and CD98 expression with triple negative breast cancer prognosis. <i>Cancer Science</i> , 2012, 103, 382-389.	1.7	152
24	Mammalian target of rapamycin signalling modulates amino acid uptake by regulating transporter cell surface abundance in primary human trophoblast cells. <i>Journal of Physiology</i> , 2013, 591, 609-625.	1.3	152
25	Maternal Protein Restriction in the Rat Inhibits Placental Insulin, mTOR, and STAT3 Signaling and Down-Regulates Placental Amino Acid Transporters. <i>Endocrinology</i> , 2011, 152, 1119-1129.	1.4	146
26	Genome-wide association study of clinically defined gout identifies multiple risk loci and its association with clinical subtypes. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 652-659.	0.5	144
27	The ancillary proteins of HATs: SLC3 family of amino acid transporters. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 490-494.	1.3	140
28	Heterodimeric Amino Acid Transporters: Molecular Biology and Pathological and Pharmacological Relevance. <i>Current Drug Metabolism</i> , 2001, 2, 339-354.	0.7	133
29	Expression of a system L neutral amino acid transporter at the blood-brain barrier. <i>NeuroReport</i> , 2000, 11, 3507-3511.	0.6	128
30	Characterization of the system L amino acid transporter in T24 human bladder carcinoma cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1565, 112-122.	1.4	127
31	L-type amino acid transporter 1 and CD98 expression in primary and metastatic sites of human neoplasms. <i>Cancer Science</i> , 2008, 99, 2380-2386.	1.7	126
32	Transport of 3-Fluoro-L-Methyl-Tyrosine by Tumor-Upregulated L-Type Amino Acid Transporter 1: A Cause of the Tumor Uptake in PET. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1253-1261.	2.8	120
33	ENHANCED TUMOR GROWTH ELICITED BY L-TYPE AMINO ACID TRANSPORTER 1 IN HUMAN MALIGNANT GLIOMA CELLS. <i>Neurosurgery</i> , 2008, 62, 493-504.	0.6	118
34	BCH, an Inhibitor of System L Amino Acid Transporters, Induces Apoptosis in Cancer Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 1096-1100.	0.6	115
35	Cryo-EM structure of the human L-type amino acid transporter 1 in complex with glycoprotein CD98hc. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 510-517.	3.6	110
36	Boronophenylalanine, a boron delivery agent for boron neutron capture therapy, is transported by ATB ⁰⁺ , LAT ¹ and LAT ² . <i>Cancer Science</i> , 2015, 106, 279-286.	1.7	109

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37	Fluorine-18- β -Methyltyrosine Positron Emission Tomography for Diagnosis and Staging of Lung Cancer: A Clinicopathologic Study. <i>Clinical Cancer Research</i> , 2007, 13, 6369-6378.	3.2	99
38	Increased placental nutrient transport in a novel mouse model of maternal obesity with fetal overgrowth. <i>Obesity</i> , 2015, 23, 1663-1670.	1.5	95
39	Slc3a2 Mediates Branched-Chain Amino-Acid-Dependent Maintenance of Regulatory T Cells. <i>Cell Reports</i> , 2017, 21, 1824-1838.	2.9	95
40	Inhibition of L-type amino acid transporter 1 has antitumor activity in non-small cell lung cancer. <i>Anticancer Research</i> , 2010, 30, 4819-28.	0.5	95
41	Clinical significance of L-type amino acid transporter 1 expression as a prognostic marker and potential of new targeting therapy in biliary tract cancer. <i>BMC Cancer</i> , 2013, 13, 482.	1.1	81
42	Amino acid transporter LAT1 (SLC7A5) as a molecular target for cancer diagnosis and therapeutics. , 2022, 230, 107964.		78
43	Regulation of amino acid transporter trafficking by mTORC1 in primary human trophoblast cells is mediated by the ubiquitin ligase Nedd4-2. <i>Clinical Science</i> , 2016, 130, 499-512.	1.8	76
44	Novel cystine transporter in renal proximal tubule identified as a missing partner of cystinuria-related plasma membrane protein rBAT/SLC3A1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 775-780.	3.3	72
45	Identification and Characterization of a Novel Member of the Heterodimeric Amino Acid Transporter Family Presumed to be Associated with an Unknown Heavy Chain. <i>Journal of Biological Chemistry</i> , 2001, 276, 49390-49399.	1.6	69
46	Expression of LAT1 predicts risk of progression of transitional cell carcinoma of the upper urinary tract. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2007, 451, 681-690.	1.4	68
47	Establishment of Stable Cell Lines With High Expression of Heterodimers of Human 4F2hc and Human Amino Acid Transporter LAT1 or LAT2 and Delineation of Their Differential Interaction With α -Alkyl Moieties. <i>Journal of Pharmacological Sciences</i> , 2012, 119, 368-380.	1.1	67
48	The small SLC43 family: Facilitator system I amino acid transporters and the orphan EEG1. <i>Molecular Aspects of Medicine</i> , 2013, 34, 638-645.	2.7	66
49	CD98 Expression Is Associated with Poor Prognosis in Resected Non-Small-Cell Lung Cancer with Lymph Node Metastases. <i>Annals of Surgical Oncology</i> , 2009, 16, 3473-3481.	0.7	65
50	Prognostic significance of L-type amino acid transporter 1 (LAT1) and 4F2 heavy chain (CD98) expression in stage I pulmonary adenocarcinoma. <i>Lung Cancer</i> , 2009, 66, 120-126.	0.9	65
51	Identification of a Novel Na ⁺ -independent Acidic Amino Acid Transporter with Structural Similarity to the Member of a Heterodimeric Amino Acid Transporter Family Associated with Unknown Heavy Chains. <i>Journal of Biological Chemistry</i> , 2002, 277, 21017-21026.	1.6	63
52	Establishment and Characterization of Mammalian Cell Lines Stably Expressing Human L-Type Amino Acid Transporters. <i>Journal of Pharmacological Sciences</i> , 2008, 108, 505-516.	1.1	63
53	JPH203, an L-Type Amino Acid Transporter 1-Selective Compound, Induces Apoptosis of YD-38 Human Oral Cancer Cells. <i>Journal of Pharmacological Sciences</i> , 2014, 124, 208-217.	1.1	62
54	Molecular events involved in up-regulating human Na ⁺ -independent neutral amino acid transporter LAT1 during T-cell activation. <i>Biochemical Journal</i> , 2001, 358, 693-704.	1.7	60

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55	System L amino acid transporter inhibitor enhances anti-tumor activity of cisplatin in a head and neck squamous cell carcinoma cell line. <i>Cancer Letters</i> , 2009, 276, 95-101.	3.2	60
56	Structure-activity relationship of a novel series of inhibitors for cancer type transporter L-type amino acid transporter 1 (LAT1). <i>Journal of Pharmacological Sciences</i> , 2017, 133, 96-102.	1.1	60
57	Expression and functional characterisation of System L amino acid transporters in the human term placenta. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 57.	1.4	59
58	Interaction of the Sodium/Glucose Cotransporter (SGLT) 2 inhibitor Canagliflozin with SGLT1 and SGLT2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 94-102.	1.3	58
59	Up-Regulation of LAT1 during Antiandrogen Therapy Contributes to Progression in Prostate Cancer Cells. <i>Journal of Urology</i> , 2016, 195, 1588-1597.	0.2	57
60	18F-FBPA as a tumor-specific probe of L-type amino acid transporter 1 (LAT1): a comparison study with 18F-FDG and 11C-Methionine PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 321-331.	3.3	56
61	Expression of L-type amino acid transporter 1 (LAT1) as a prognostic and therapeutic indicator in multiple myeloma. <i>Cancer Science</i> , 2014, 105, 1496-1502.	1.7	54
62	Expression of L-type amino acid transporter 1 (LAT1) in neuroendocrine tumors of the lung. <i>Pathology Research and Practice</i> , 2008, 204, 553-561.	1.0	53
63	Sodium-coupled glucose transport, the SLC5 family, and therapeutically relevant inhibitors: from molecular discovery to clinical application. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 1177-1206.	1.3	53
64	Prognostic significance of L-type amino acid transporter 1 (LAT1) expression in cutaneous melanoma. <i>Melanoma Research</i> , 2015, 25, 399-405.	0.6	52
65	Expression of amino acid transporters (LAT1, ASCT2 and xCT) as clinical significance in hepatocellular carcinoma. <i>Hepatology Research</i> , 2015, 45, 1014-1022.	1.8	51
66	Structure-activity relations of leucine derivatives reveal critical moieties for cellular uptake and activation of mTORC1-mediated signaling. <i>Amino Acids</i> , 2016, 48, 1045-1058.	1.2	51
67	LAT1 expression is closely associated with hypoxic markers and mTOR in resected non-small cell lung cancer. <i>American Journal of Translational Research (discontinued)</i> , 2011, 3, 468-78.	0.0	51
68	L-type amino acid transporter 1 expression is a prognostic marker in patients with surgically resected stage I non-small cell lung cancer. <i>Histopathology</i> , 2009, 54, 804-813.	1.6	49
69	Lysophosphatidylcholine Enhances Cytokine Production of Endothelial Cells via Induction of L-Type Amino Acid Transporter 1 and Cell Surface Antigen 4F2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1640-1645.	1.1	48
70	¹⁸ F-FMT Uptake Seen Within Primary Cancer on PET Helps Predict Outcome of Non-Small Cell Lung Cancer. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1770-1776.	2.8	47
71	Functional identification of SLC43A3 as an equilibrative nucleobase transporter involved in purine salvage in mammals. <i>Scientific Reports</i> , 2015, 5, 15057.	1.6	47
72	Relationship between LAT1 expression and resistance to chemotherapy in pancreatic ductal adenocarcinoma. <i>Cancer Chemotherapy and Pharmacology</i> , 2018, 81, 141-153.	1.1	45

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73	CYP450s-Activity Relations of Celastrol to Interact with Triptolide Reveal the Reasons of Hepatotoxicity of Tripterygium wilfordii. <i>Molecules</i> , 2019, 24, 2162.	1.7	45
74	L-type amino acid transporter 1 expression is highly correlated with Gleason score in prostate cancer. <i>Molecular and Clinical Oncology</i> , 2013, 1, 274-280.	0.4	44
75	Expression of L-type amino acid transporter 1 (LAT1) and 4F2 heavy chain (4F2hc) in oral squamous cell carcinoma and its precursor lesions. <i>Anticancer Research</i> , 2004, 24, 1671-5.	0.5	44
76	Essential Roles of L-Type Amino Acid Transporter 1 in Syncytiotrophoblast Development by Presenting Fusogenic 4F2hc. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	43
77	Efficacy of system L amino acid transporter 1 inhibition as a therapeutic target in esophageal squamous cell carcinoma. <i>Cancer Science</i> , 2016, 107, 1499-1505.	1.7	40
78	Reabsorption of neutral amino acids mediated by amino acid transporter LAT2 and TAT1 in the basolateral membrane of proximal tubule. <i>Archives of Pharmacal Research</i> , 2005, 28, 421-432.	2.7	39
79	Protein Characterization of Na^+ -Independent System L Amino Acid Transporter 3 in Mice. <i>American Journal of Pathology</i> , 2007, 170, 888-898.	1.9	39
80	L -type amino acid transporter 1 (LAT1) is frequently expressed in thymic carcinomas but is absent in thymomas. <i>Journal of Surgical Oncology</i> , 2009, 99, 433-438.	0.8	39
81	Impairment of the carnitine/organic cation transporter 1-ergothioneine axis is mediated by intestinal transporter dysfunction in chronic kidney disease. <i>Kidney International</i> , 2017, 92, 1356-1369.	2.6	39
82	Diagnostic usefulness of ^{18}F -FAMT PET and L-type amino acid transporter 1 (LAT1) expression in oral squamous cell carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1692-1700.	3.3	38
83	Clinicopathological significance of LAT1 and ASCT2 in patients with surgically resected esophageal squamous cell carcinoma. <i>Journal of Surgical Oncology</i> , 2016, 113, 381-389.	0.8	38
84	Evaluation of thoracic tumors with ^{18}F -FAMT and ^{18}F -FDG PET-CT: A clinicopathological study. <i>International Journal of Cancer</i> , 2009, 124, 1152-1160.	2.3	36
85	Amino acid transporter LAT1 in tumor-associated vascular endothelium promotes angiogenesis by regulating cell proliferation and VEGF-A-dependent mTORC1 activation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 266.	3.5	36
86	The RNA interference of amino acid transporter LAT1 inhibits the growth of KB human oral cancer cells. <i>Anticancer Research</i> , 2006, 26, 2943-8.	0.5	36
87	Specific transport of ^3H -fluoro-L-methyl-tyrosine by L explains its specificity to malignant tumors in imaging. <i>Cancer Science</i> , 2016, 107, 347-352.	1.7	35
88	Expression of L-type amino acid transporter 1 as a molecular target for prognostic and therapeutic indicators in bladder carcinoma. <i>Scientific Reports</i> , 2020, 10, 1292.	1.6	35
89	Amino Acid Transporter LAT3 Is Required for Podocyte Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1586-1596.	3.0	34
90	Expression of Amino Acid Transporters (LAT1 and ASCT2) in Patients with Stage III/IV Laryngeal Squamous Cell Carcinoma. <i>Pathology and Oncology Research</i> , 2015, 21, 1175-1181.	0.9	34

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91	Ratiometric fluorescence imaging of cell surface pH by poly(ethylene glycol)-phospholipid conjugated with fluorescein isothiocyanate. <i>Scientific Reports</i> , 2017, 7, 17484.	1.6	34
92	Molecular architecture of the stria vascularis membrane transport system, which is essential for physiological functions of the mammalian cochlea. <i>European Journal of Neuroscience</i> , 2015, 42, 1984-2002.	1.2	33
93	Î±-Emitting cancer therapy using ²¹¹ Pb-AMT targeting LAT1. <i>Cancer Science</i> , 2021, 112, 1132-1140.		31
94	Localization of the high-affinity glutamate transporter EAAC1 in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 273, F1023-F1029.	1.3	30
95	Targeted alpha therapy using astatine (²¹¹ At)-labeled phenylalanine: A preclinical study in glioma bearing mice. <i>Oncotarget</i> , 2020, 11, 1388-1398.	0.8	30
96	Identification of AR-V7 downstream genes commonly targeted by AR/AR-V7 and specifically targeted by AR-V7 in castration resistant prostate cancer. <i>Translational Oncology</i> , 2021, 14, 100915.	1.7	27
97	Expression and functional characterization of the system I amino acid transporter in KB human oral epidermoid carcinoma cells. <i>Cancer Letters</i> , 2004, 205, 215-226.	3.2	26
98	Expression of amino acid transporter (LAT1 and 4F2hc) in pulmonary pleomorphic carcinoma. <i>Human Pathology</i> , 2019, 84, 142-149.	1.1	26
99	Inhibition of L-Type Amino Acid Transporter Modulates the Expression of Cell Cycle Regulatory Factors in KB Oral Cancer Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1117-1121.	0.6	25
100	Clinical significance of coexpression of L-type amino acid transporter 1 (LAT1) and ASC amino acid transporter 2 (ASCT2) in lung adenocarcinoma. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1126-39.	0.0	23
101	Prognostic significance of L-type amino acid transporter 1 (LAT1) expression in patients with ovarian tumors. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1161-71.	0.0	23
102	CD98 as a novel prognostic indicator for patients with stage III/IV hypopharyngeal squamous cell carcinoma. <i>Head and Neck</i> , 2015, 37, 1569-1574.	0.9	22
103	Role of Amino Acid Transporter Expression as a Prognostic Marker in Patients With Surgically Resected Colorectal Cancer. <i>Anticancer Research</i> , 2019, 39, 2535-2543.	0.5	21
104	Boron delivery for boron neutron capture therapy targeting a cancer-upregulated oligopeptide transporter. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 215-222.	1.1	21
105	A novel role of the C-terminus of b _{0,+} AT in the ER-Golgi trafficking of the rBAT-b _{0,+} AT heterodimeric amino acid transporter. <i>Biochemical Journal</i> , 2009, 417, 441-448.	1.7	20
106	Development of a Widely Usable Amino Acid Tracer: ⁷⁶ Br-Î±-Methyl-Phenylalanine for Tumor PET Imaging. <i>Journal of Nuclear Medicine</i> , 2015, 56, 791-797.	2.8	20
107	Simple But Efficacious Enrichment of Integral Membrane Proteins and Their Interactions for In-Depth Membrane Proteomics. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100206.	2.5	20
108	Individual dosimetry system for targeted alpha therapy based on PHITS coupled with microdosimetric kinetic model. <i>EJNMMI Physics</i> , 2021, 8, 4.	1.3	19

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109	Functional analysis of LAT3 in prostate cancer: Its downstream target and relationship with androgen receptor. <i>Cancer Science</i> , 2021, 112, 3871-3883.	1.7	19
110	Linkage of N-cadherin to multiple cytoskeletal elements revealed by a proteomic approach in hippocampal neurons. <i>Neurochemistry International</i> , 2012, 61, 240-250.	1.9	18
111	Clinicopathological Significance of L-type Amino Acid Transporter 1 (LAT1) Expression in Patients with Adenoid Cystic Carcinoma. <i>Pathology and Oncology Research</i> , 2013, 19, 649-656.	0.9	16
112	LAT1-specific inhibitor is effective against T cell-mediated allergic skin inflammation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 463-467.	2.7	16
113	Transport of 3-fluoro-L-methyl-tyrosine (FAMT) by organic ion transporters explains renal background in [18F]FAMT positron emission tomography. <i>Journal of Pharmacological Sciences</i> , 2016, 130, 101-109.	1.1	15
114	Proteomics and phosphoproteomics reveal key regulators associated with cytostatic effect of amino acid transporter LAT1 inhibitor. <i>Cancer Science</i> , 2021, 112, 871-883.	1.7	15
115	Relationship between CD147 and expression of amino acid transporters (LAT1 and ASCT2) in patients with pancreatic cancer. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 356-63.	0.0	15
116	Association of L-type amino acid transporter 1 (LAT1) with the immune system and prognosis in invasive breast cancer. <i>Scientific Reports</i> , 2022, 12, 2742.	1.6	13
117	Gene expression profiles in t24 human bladder carcinoma cells by inhibiting an l-type amino acid transporter, lat1. <i>Archives of Pharmacal Research</i> , 2007, 30, 444-452.	2.7	12
118	A novel mutation in the SLCO2A1 gene, encoding a prostaglandin transporter, induces chronic enteropathy. <i>PLoS ONE</i> , 2020, 15, e0241869.	1.1	12
119	NRFL-1, the <i>C. elegans</i> NHERF Orthologue, Interacts with Amino Acid Transporter 6 (AAT-6) for Age-Dependent Maintenance of AAT-6 on the Membrane. <i>PLoS ONE</i> , 2012, 7, e43050.	1.1	11
120	Expression of a human NPT1/SLC17A1 missense variant which increases urate export. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 536-542.	0.4	11
121	Negative regulation of amino acid signaling by MAPK-regulated 4F2hc/Girdin complex. <i>PLoS Biology</i> , 2018, 16, e2005090.	2.6	11
122	Distribution of LAT1-targeting PET tracer was independent of the tumor blood flow in rat xenograft models of C6 glioma and MIA PaCa-2. <i>Annals of Nuclear Medicine</i> , 2019, 33, 394-403.	1.2	10
123	Prognostic Significance of the Expression of CD98 (4F2hc) in Gastric Cancer. <i>Anticancer Research</i> , 2017, 37, 631-636.	0.5	9
124	Clinical Significance and Phenotype of MTA1 Expression in Esophageal Squamous Cell Carcinoma. <i>Anticancer Research</i> , 2017, 37, 4147-4155.	0.5	9
125	Utilization of Liver Microsomes to Estimate Hepatic Intrinsic Clearance of Monoamine Oxidase Substrate Drugs in Humans. <i>Pharmaceutical Research</i> , 2017, 34, 1233-1243.	1.7	8
126	Characterization of amino acid transport system L in HTB-41 human salivary gland epidermoid carcinoma cells. <i>Anticancer Research</i> , 2008, 28, 2649-55.	0.5	8

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127	Significance of System L Amino Acid Transporter 1 (LAT-1) and 4F2 Heavy Chain (4F2hc) Expression in Human Developing Intestines. <i>Acta Histochemica Et Cytochemica</i> , 2009, 42, 73-81.	0.8	7
128	Interaction of Halogenated Tyrosine/Phenylalanine Derivatives with Organic Anion Transporter 1 in the Renal Handling of Tumor Imaging Probes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 375, 451-462.	1.3	7
129	Expression of LAT1 and 4F2hc in Gastroenteropancreatic Neuroendocrine Neoplasms. <i>In Vivo</i> , 2021, 35, 2425-2432.	0.6	6
130	Developing selective L-Amino Acid Transport 1 (LAT1) inhibitors: A Structure-Activity Relationship overview. <i>Medical Research Archives</i> , 2019, 7, .	0.1	4
131	Ultrastructural immunohistochemical study of L-type amino acid transporter 1 and 4F2 heavy chain in tumor microvasculatures of N-butyl-N-(4-hydroxybutyl) nitrosamine (BBN) induced rat bladder carcinoma. <i>Journal of Electron Microscopy</i> , 2017, 66, 198-203.	0.9	3
132	Structural changes induced by ligand binding drastically increase the thermostability of the Ser/Thr protein kinase TpkD from <i>Thermus thermophilus</i> HB8. <i>FEBS Letters</i> , 2021, 595, 264-274.	1.3	3
133	Tmem174, a regulator of phosphate transporter prevents hyperphosphatemia. <i>Scientific Reports</i> , 2022, 12, 6353.	1.6	3
134	Functional coupling of organic anion transporter OAT10 (SLC22A13) and monocarboxylate transporter MCT1 (SLC16A1) influencing the transport function of OAT10. <i>Journal of Pharmacological Sciences</i> , 2022, , .	1.1	3
135	Evaluation of D-isomer of F-FBPA for oncology PET focusing on the differentiation of glioma and inflammation. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2020, 8, 102-108.	0.1	2
136	Expression of Amino Acid Transporters in Cancers and Their Application to Cancer Diagnosis and Therapeutics. <i>Membrane</i> , 2008, 33, 108-117.	0.0	1
137	Studies on the Incompatibility between <i>Bulbus fritillariae</i> and <i>Radix aconiti praeparata</i> Based on the P-gp. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-11.	0.5	0
138	Clinical significance of L-type amino acid transporter 1 expression as a prognostic marker and potential of new targeting therapy in tongue cancer.. <i>Journal of Clinical Oncology</i> , 2015, 33, e22204-e22204.	0.8	0
139	Comprehensive protein analysis of the transport system in a connective tissue of the inner ear. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-1-145.	0.0	0
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