Suguru Okuda

List of Publications by Year
in descending order

32 papers	1,953 citations	331670 21 h-index	552781 26 g-index
34 all docs	34 docs citations	34 times ranked	2230 citing authors

#	Article	IF	Citations
1	Lipopolysaccharide transport and assembly at the outer membrane: the PEZ model. Nature Reviews Microbiology, 2016, 14, 337-345.	28.6	299
2	Lipoprotein Sorting in Bacteria. Annual Review of Microbiology, 2011, 65, 239-259.	7.3	289
3	Cytoplasmic ATP Hydrolysis Powers Transport of Lipopolysaccharide Across the Periplasm in E. coli. Science, 2012, 338, 1214-1217.	12.6	169
4	Lipopolysaccharide is transported to the cell surface by a membrane-to-membrane protein bridge. Science, 2018, 359, 798-801.	12.6	120
5	Regulated Assembly of the Transenvelope Protein Complex Required for Lipopolysaccharide Export. Biochemistry, 2012, 51, 4800-4806.	2.5	118
6	Cryo-EM structure of the human L-type amino acid transporter 1 in complex with glycoprotein CD98hc. Nature Structural and Molecular Biology, 2019, 26, 510-517.	8.2	110
7	Model of mouth-to-mouth transfer of bacterial lipoproteins through inner membrane LolC, periplasmic LolA, and outer membrane LolB. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5877-5882.	7.1	93
8	The Escherichia coli Lpt Transenvelope Protein Complex for Lipopolysaccharide Export Is Assembled via Conserved Structurally Homologous Domains. Journal of Bacteriology, 2013, 195, 1100-1108.	2.2	90
9	Novel cystine transporter in renal proximal tubule identified as a missing partner of cystinuria-related plasma membrane protein rBAT/SLC3A1. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 775-780.	7.1	72
10	The Antibiotic Novobiocin Binds and Activates the ATPase That Powers Lipopolysaccharide Transport. Journal of the American Chemical Society, 2017, 139, 17221-17224.	13.7	65
11	Structure-activity relationship of a novel series of inhibitors for cancer type transporter L-type amino acid transporter 1 (LAT1). Journal of Pharmacological Sciences, 2017, 133, 96-102.	2.5	60
12	Interaction of the Sodium/Glucose Cotransporter (SGLT) 2 inhibitor Canagliflozin with SGLT1 and SGLT2. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 94-102.	2.5	58
13	Structureâ€“activity relations of leucine derivatives reveal critical moieties for cellular uptake and activation of mTORC1-mediated signaling. Amino Acids, 2016, 48, 1045-1058.	2.7	51
14	Essential Roles of L-Type Amino Acid Transporter 1 in Syncytiotrophoblast Development by Presenting Fusogenic 4F2hc. Molecular and Cellular Biology, 2017, 37, .	2.3	43
15	Validation of inhibitors of an ABC transporter required to transport lipopolysaccharide to the cell surface in Escherichia coli. Bioorganic and Medicinal Chemistry, 2013, 21, 4846-4851.	3.0	40
16	Amino acid transporter LAT1 in tumor-associated vascular endothelium promotes angiogenesis by regulating cell proliferation and VEGF-A-dependent mTORC1 activation. Journal of Experimental and Clinical Cancer Research, 2020, 39, 266.	8.6	36
17	Specific transport of 3â€fluoroâ€<scp>l</scp>â€±â€methylâ€tyrosine by <scp>LAT</scp>1 explains its specificity to malignant tumors in imaging. Cancer Science, 2016, 107, 347-352.	3.9	35
18	Dissection of LolB function â€“ lipoprotein binding, membrane targeting and incorporation of lipoproteins into lipid bilayers. FEBS Journal, 2009, 276, 4496-4504.	4.7	34

#	Article	IF	Citations
19	Ratiometric fluorescence imaging of cell surface pH by poly(ethylene glycol)-phospholipid conjugated with fluorescein isothiocyanate. Scientific Reports, 2017, 7, 17484.	3.3	34
20	Functional differentiation of structurally similar membrane subunits of the ABC transporter LolCDE complex. FEBS Letters, 2013, 587, 23-29.	2.8	29
21	A short helix in the Câ€terminal region of LolA is important for the specific membrane localization of lipoproteins. FEBS Letters, 2008, 582, 2247-2251.	2.8	25
22	Structural Investigation of the Interaction between LolA and LolB Using NMR. Journal of Biological Chemistry, 2009, 284, 24634-24643.	3.4	22
23	Boron delivery for boron neutron capture therapy targeting a cancer-upregulated oligopeptide transporter. Journal of Pharmacological Sciences, 2019, 139, 215-222.	2.5	21
24	Transport of 3-fluoro-l-Î±-methyl-tyrosine (FAMT) by organic ion transporters explains renal background in [18F]FAMT positron emission tomography. Journal of Pharmacological Sciences, 2016, 130, 101-109.	2.5	15
25	Proteomics and phosphoproteomics reveal key regulators associated with cytostatic effect of amino acid transporter LAT1 inhibitor. Cancer Science, 2021, 112, 871-883.	3.9	15
26	Interaction of Halogenated Tyrosine/Phenylalanine Derivatives with Organic Anion Transporter 1 in the Renal Handling of Tumor Imaging Probes. Journal of Pharmacology and Experimental Therapeutics, 2020, 375, 451-462.	2.5	7
27	Phosphoproteome analysis reveals novel cellular responses affect by inhibition of LAT1, a cancer type amino acid transporter. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-46.	0.0	0
28	Structure activity relations of aromatic amino acid derivatives to interact with organic anion transporter OAT1 reveal critical moieties for renal accumulation of tumor imaging probes. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-8-40.	0.0	0
29	L-type amino acid transporter 1 (LAT1) in endothelial cells of tumor vessels contributes to tumor angiogenesis. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-30.	0.0	0
30	BPA-dipeptides, novel boron delivery agents for boron neutron capture therapy, are transported by oligopeptide transporter. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-6-32.	0.0	0
31	Combination of amino acids necessary and sufficient for the optimal activation of mTORC1. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-6-13.	0.0	0
32	Comparative phosphoproteomics between non-competitive and competitive inhibitions of L-type amino acid transporter 1 in cancer cells.. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 1-P-106.	0.0	0