

# Kazumitsu Ueda

## List of Publications by Citations

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146  
ext. papers

8,223  
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L-index

#	Paper	IF	Citations
140	Internal duplication and homology with bacterial transport proteins in the <i>mdr1</i> (P-glycoprotein) gene from multidrug-resistant human cells. <i>Cell</i> , <b>1986</b> , 47, 381-9	56.2	1743
139	The <i>mdr1</i> gene, responsible for multidrug-resistance, codes for P-glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , <b>1986</b> , 141, 956-62	3.4	350
138	Involvement of CjMDR1, a plant multidrug-resistance-type ATP-binding cassette protein, in alkaloid transport in <i>Coptis japonica</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 751-6	11.5	220
137	P-glycoprotein gene (MDR1) cDNA from human adrenal: normal P-glycoprotein carries Gly185 with an altered pattern of multidrug resistance. <i>Biochemical and Biophysical Research Communications</i> , <b>1989</b> , 162, 224-31	3.4	171
136	Vinexin, CAP/ponsin, ArgBP2: a novel adaptor protein family regulating cytoskeletal organization and signal transduction. <i>Cell Structure and Function</i> , <b>2002</b> , 27, 1-7	2.2	160
135	Efflux of sphingomyelin, cholesterol, and phosphatidylcholine by ABCG1. <i>Journal of Lipid Research</i> , <b>2006</b> , 47, 1791-802	6.3	149
134	Human ABCA7 supports apolipoprotein-mediated release of cellular cholesterol and phospholipid to generate high density lipoprotein. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 604-11	5.4	135
133	Structural basis for gating mechanisms of a eukaryotic P-glycoprotein homolog. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 4049-54	11.5	134
132	MgADP antagonism to Mg <sup>2+</sup> -independent ATP binding of the sulfonylurea receptor SUR1. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 22983-6	5.4	134
131	Orthogonal lipid sensors identify transbilayer asymmetry of plasma membrane cholesterol. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 268-274	11.7	123
130	Different binding properties and affinities for ATP and ADP among sulfonylurea receptor subtypes, SUR1, SUR2A, and SUR2B. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 28757-63	5.4	115
129	Mechanism of multidrug recognition by MDR1/ABCB1. <i>Cancer Science</i> , <b>2007</b> , 98, 1303-10	6.9	113
128	Effects of mutations of ABCA1 in the first extracellular domain on subcellular trafficking and ATP binding/hydrolysis. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 8815-9	5.4	104
127	Characterization and classification of ATP-binding cassette transporter ABCA3 mutants in fatal surfactant deficiency. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 34503-14	5.4	97
126	Alpha1-syntrophin modulates turnover of ABCA1. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 15091-5	5.4	95
125	Anti-cancer drugs and glutathione stimulate vanadate-induced trapping of nucleotide in multidrug resistance-associated protein (MRP). <i>FEBS Letters</i> , <b>1997</b> , 401, 11-4	3.8	93
124	Modulation of drug-stimulated ATPase activity of human MDR1/P-glycoprotein by cholesterol. <i>Biochemical Journal</i> , <b>2007</b> , 401, 597-605	3.8	92

123	Trafficking and functional defects by mutations of the ATP-binding domains in MRP2 in patients with Dubin-Johnson syndrome. <i>Hepatology</i> , <b>2002</b> , 36, 1236-45	11.2	90
122	Human ABCA1 contains a large amino-terminal extracellular domain homologous to an epitope of Sjögren's Syndrome. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 283, 1019-25	3.4	88
121	Nonequivalent nucleotide trapping in the two nucleotide binding folds of the human multidrug resistance protein MRP1. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 17626-30	5.4	85
120	Direct photoaffinity labeling of the Kir6.2 subunit of the ATP-sensitive K <sup>+</sup> channel by 8-azido-ATP. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 3931-3	5.4	85
119	Purification and ATPase activity of human ABCA1. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 10760-8	5.4	83
118	ATP binding properties of the nucleotide-binding folds of SUR1. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 37479-82	5.4	79
117	ABCA1 dimer-monomer interconversion during HDL generation revealed by single-molecule imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5034-9	11.5	76
116	ABC proteins: key molecules for lipid homeostasis. <i>Medical Molecular Morphology</i> , <b>2005</b> , 38, 2-12	2.3	75
115	P-glycoprotein-mediated transcellular transport of MDR-reversing agents. <i>FEBS Letters</i> , <b>1993</b> , 324, 99-102	3.2	68
114	Bile salt-dependent efflux of cellular phospholipids mediated by ATP binding cassette protein B4. <i>Hepatology</i> , <b>2007</b> , 46, 188-99	11.2	67
113	Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , <b>2020</b> , 594, 3767-3775	3.8	66
112	Human ABCA3, a product of a responsible gene for abca3 for fatal surfactant deficiency in newborns, exhibits unique ATP hydrolysis activity and generates intracellular multilamellar vesicles. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 324, 262-8	3.4	65
111	Heat-shock responsive elements in the induction of the multidrug resistance gene (MDR1). <i>FEBS Letters</i> , <b>1992</b> , 301, 37-40	3.8	64
110	Posttranscriptional regulation of human ABCA7 and its function for the apoA-I-dependent lipid release. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 311, 313-8	3.4	60
109	Dominant expression of ATP-binding cassette transporter-1 on basolateral surface of Caco-2 cells stimulated by LXR/RXR ligands. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 296, 625-30	3.4	59
108	ABC proteins protect the human body and maintain optimal health. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2011</b> , 75, 401-9	2.1	58
107	Alteration of substrate specificity by mutations at the His61 position in predicted transmembrane domain 1 of human MDR1/P-glycoprotein. <i>Biochemistry</i> , <b>1997</b> , 36, 8883-9	3.2	57
106	Enhanced apoA-I-dependent cholesterol efflux by ABCA1 from sphingomyelin-deficient Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 14868-74	5.4	57

105	Heterogeneity of high density lipoprotein generated by ABCA1 and ABCA7. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 1703-11	6.3	57
104	Reversal of drug resistance mediated by multidrug resistance protein (MRP) 1 by dual effects of agosterol A on MRP1 function. <i>International Journal of Cancer</i> , <b>2001</b> , 93, 107-13	7.5	57
103	Retroendocytosis pathway of ABCA1/apoA-I contributes to HDL formation. <i>Genes To Cells</i> , <b>2009</b> , 14, 191-204	2.3	56
102	Direct interaction of nuclear liver X receptor-beta with ABCA1 modulates cholesterol efflux. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 30057-63	5.4	56
101	Characterization of Coptis japonica CjABCB2, an ATP-binding cassette protein involved in alkaloid transport. <i>Phytochemistry</i> , <b>2013</b> , 91, 109-16	4	54
100	Sphingomyelin-dependence of cholesterol efflux mediated by ABCG1. <i>Journal of Lipid Research</i> , <b>2007</b> , 48, 2377-84	6.3	53
99	Quercetin, a bioflavonoid, inhibits the increase of human multidrug resistance gene (MDR1) expression caused by arsenite. <i>FEBS Letters</i> , <b>1992</b> , 301, 307-9	3.8	48
98	ATP binding/hydrolysis by and phosphorylation of peroxisomal ATP-binding cassette proteins PMP70 (ABCD3) and adrenoleukodystrophy protein (ABCD1). <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 40142-7	5.4	47
97	Comparative aspects of the function and mechanism of SUR1 and MDR1 proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1999</b> , 1461, 305-13	3.8	47
96	Inhibitory effects of a cyclosporin derivative, SDZ PSC 833, on transport of doxorubicin and vinblastine via human P-glycoprotein. <i>Japanese Journal of Cancer Research</i> , <b>1998</b> , 89, 1220-8		46
95	Lipid outward translocation by ABC proteins. <i>FEBS Letters</i> , <b>2010</b> , 584, 2717-23	3.8	44
94	Deficiency in the Lipid Exporter ABCA1 Impairs Retrograde Sterol Movement and Disrupts Sterol Sensing at the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 23464-77	5.4	43
93	Aureobasidin A, an antifungal cyclic depsipeptide antibiotic, is a substrate for both human MDR1 and MDR2/P-glycoproteins. <i>FEBS Letters</i> , <b>1996</b> , 399, 29-32	3.8	43
92	Function and regulation of ABCA1--membrane meso-domain organization and reorganization. <i>FEBS Journal</i> , <b>2011</b> , 278, 3190-203	5.7	42
91	Sodium taurocholate-dependent lipid efflux by ABCA1: effects of W590S mutation on lipid translocation and apolipoprotein A-I dissociation. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 1165-72	6.3	41
90	Microanalysis for MDR1 ATPase by high-performance liquid chromatography with a titanium dioxide column. <i>Analytical Biochemistry</i> , <b>2004</b> , 326, 262-6	3.1	40
89	Vinculin promotes nuclear localization of TAZ to inhibit ECM stiffness-dependent differentiation into adipocytes. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 989-1002	5.3	39
88	Functional role of the linker region in purified human P-glycoprotein. <i>FEBS Journal</i> , <b>2009</b> , 276, 3504-16	5.7	39

87	ATP hydrolysis-dependent multidrug efflux transporter: MDR1/P-glycoprotein. <i>Current Drug Metabolism</i> , <b>2004</b> , 5, 1-10	3.5	39
86	Extracellular signal-regulated kinase activated by epidermal growth factor and cell adhesion interacts with and phosphorylates vinexin. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 34570-7	5.4	39
85	Vinexin forms a signaling complex with Sos and modulates epidermal growth factor-induced c-Jun N-terminal kinase/stress-activated protein kinase activities. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 35933-7	5.4	38
84	Formation of two intramolecular disulfide bonds is necessary for ApoA-I-dependent cholesterol efflux mediated by ABCA1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 11293-300	5.4	37
83	Human MDR1 and MRP1 recognize berberine as their transport substrate. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 242-5	2.1	37
82	Different drug sensitivity in two neuroblastoma cell lines established from the same patient before and after chemotherapy. <i>International Journal of Cancer</i> , <b>1991</b> , 47, 732-7	7.5	37
81	ATP hydrolysis-dependent conformational changes in the extracellular domain of ABCA1 are associated with apoA-I binding. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 126-36	6.3	36
80	The role of the interaction of the vinculin proline-rich linker region with vinexin in sensing the stiffness of the extracellular matrix. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 1875-86	5.3	35
79	Direct photoaffinity labeling of Kir6.2 by [ $\gamma$ -(32)P]ATP-[ $\gamma$ ]4-azidoanilide. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 272, 316-9	3.4	35
78	A chemical probe that labels human pluripotent stem cells. <i>Cell Reports</i> , <b>2014</b> , 6, 1165-1174	10.6	34
77	ATPase activity of human ABCG1 is stimulated by cholesterol and sphingomyelin. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 496-502	6.3	34
76	Cholesterol and plant sterol efflux from cultured intestinal epithelial cells is mediated by ATP-binding cassette transporters. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2007</b> , 71, 1886-95	2.1	34
75	Non-equivalent cooperation between the two nucleotide-binding folds of P-glycoprotein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1998</b> , 1373, 131-6	3.8	33
74	Functional analysis of a mutant sulfonylurea receptor, SUR1-R1420C, that is responsible for persistent hyperinsulinemic hypoglycemia of infancy. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 41184-91	5.4	33
73	ABCA7, a molecule with unknown function. <i>FEBS Letters</i> , <b>2006</b> , 580, 1178-82	3.8	32
72	Inward- and outward-facing X-ray crystal structures of homodimeric P-glycoprotein CmABCB1. <i>Nature Communications</i> , <b>2019</b> , 10, 88	17.4	32
71	Liver X receptor beta (LXRbeta) interacts directly with ATP-binding cassette A1 (ABCA1) to promote high density lipoprotein formation during acute cholesterol accumulation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 20117-24	5.4	31
70	Role of interaction with vinculin in recruitment of vinexins to focal adhesions. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 336, 239-46	3.4	29

69	Cloning of ABCA17, a novel rodent sperm-specific ABC (ATP-binding cassette) transporter that regulates intracellular lipid metabolism. <i>Biochemical Journal</i> , <b>2005</b> , 389, 577-85	3.8	28
68	ABCA1, ABCG1, and ABCG4 are distributed to distinct membrane meso-domains and disturb detergent-resistant domains on the plasma membrane. <i>PLoS ONE</i> , <b>2014</b> , 9, e109886	3.7	27
67	Cyclosporine A and PSC833 inhibit ABCA1 function via direct binding. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 398-406	5	27
66	Lysophosphatidylcholine export by human ABCA7. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2017</b> , 1862, 658-665	5	26
65	Detection of multidrug resistance (MDR1) gene RNA expression in human tumors by a sensitive ribonuclease protection assay. <i>Japanese Journal of Cancer Research</i> , <b>1989</b> , 80, 1127-32		26
64	Involvement of low-density lipoprotein receptor-related protein and ABCG1 in stimulation of axonal extension by apoE-containing lipoproteins. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2011</b> , 1811, 31-8	5	25
63	CROP/Luc7A, a novel serine/arginine-rich nuclear protein, isolated from cisplatin-resistant cell line. <i>FEBS Letters</i> , <b>2000</b> , 465, 153-6	3.8	25
62	Functional expression of human P-glycoprotein in <i>Schizosaccharomyces pombe</i> . <i>FEBS Letters</i> , <b>1993</b> , 330, 279-82	3.8	25
61	Temporary sequestration of cholesterol and phosphatidylcholine within extracellular domains of ABCA1 during nascent HDL generation. <i>Scientific Reports</i> , <b>2018</b> , 8, 6170	4.9	24
60	Crucial role of vinexin for keratinocyte migration in vitro and epidermal wound healing in vivo. <i>Experimental Cell Research</i> , <b>2010</b> , 316, 1728-38	4.2	24
59	Mutations in the linker domain of NBD2 of SUR inhibit transduction but not nucleotide binding. <i>EMBO Journal</i> , <b>2002</b> , 21, 4250-8	13	24
58	Effect of cyclosporin analogues and FK506 on transcellular transport of daunorubicin and vinblastine via P-glycoprotein. <i>Pharmaceutical Research</i> , <b>1996</b> , 13, 1073-7	4.5	24
57	ABCG1 and ABCG4 Suppress $\beta$ -Secretase Activity and Amyloid $\beta$ Production. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155400	3.7	24
56	24(S)-hydroxycholesterol is actively eliminated from neuronal cells by ABCA1. <i>Journal of Neurochemistry</i> , <b>2013</b> , 126, 93-101	6	23
55	The COP9 signalosome controls ubiquitylation of ABCA1. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 382, 145-8	3.4	23
54	Amino acid substitutions in the first transmembrane domain (TM1) of P-glycoprotein that alter substrate specificity. <i>FEBS Letters</i> , <b>1997</b> , 413, 142-6	3.8	23
53	Vinexin family (SORBS) proteins play different roles in stiffness-sensing and contractile force generation. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 3517-3531	5.3	23
52	Selective elimination of human pluripotent stem cells by a marine natural product derivative. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9798-801	16.4	22

51	Cholesterol fill-in model: mechanism for substrate recognition by ABC proteins. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2007</b> , 39, 447-52	3.7	19
50	Abl kinase interacts with and phosphorylates vinexin. <i>FEBS Letters</i> , <b>2006</b> , 580, 4288-95	3.8	19
49	Lysine residues of ABCA1 are required for the interaction with apoA-I. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2012</b> , 1821, 530-5	5	18
48	Expression of Human P-Glycoprotein in Yeast Cells. Effects of Membrane Component Sterols on the Activity of P-Glycoprotein.. <i>Agricultural and Biological Chemistry</i> , <b>1991</b> , 55, 1859-1865		18
47	Primer-dependent amplification of mdr1 mRNA by polymerase chain reaction. <i>Japanese Journal of Cancer Research</i> , <b>1992</b> , 83, 131-3		18
46	Vinculin association with actin cytoskeleton is necessary for stiffness-dependent regulation of vinculin behavior. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175324	3.7	17
45	Neurite outgrowth stimulation by n-3 and n-6 PUFAs of phospholipids in apoE-containing lipoproteins secreted from glial cells. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1880-90	6.3	16
44	Effect of cisplatin treatment on speckled distribution of a serine/arginine-rich nuclear protein CROP/Luc7A. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 301, 324-9	3.4	16
43	Changes in the asymmetric distribution of cholesterol in the plasma membrane influence streptolysin O pore formation. <i>Scientific Reports</i> , <b>2019</b> , 9, 4548	4.9	15
42	The ABCA1 Q597R mutant undergoes trafficking from the ER upon ER stress. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 369, 1174-8	3.4	15
41	Application of vanadate-induced nucleotide trapping to plant cells for detection of ABC proteins. <i>Plant and Cell Physiology</i> , <b>2003</b> , 44, 198-200	4.9	13
40	Detection of ABCA7-positive cells in salivary glands from patients with Sjögren's syndrome. <i>Pathology International</i> , <b>2005</b> , 55, 639-43	1.8	13
39	ATPase activity of nucleotide binding domains of human MDR3 in the context of MDR1. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 683-90	5	12
38	ABCB4 exports phosphatidylcholine in a sphingomyelin-dependent manner. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 644-652	6.3	11
37	FRET analyses reveal a role of ATP hydrolysis-associated conformational changes in human P-glycoprotein. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 5002-5011	5.4	11
36	In situ localization of the human multidrug-resistance gene mRNA using thymine-thymine dimerized single-stranded cDNA. <i>Japanese Journal of Cancer Research</i> , <b>1990</b> , 81, 949-55		11
35	C-terminal of ABCA1 separately regulates cholesterol floppase activity and cholesterol efflux activity. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2020</b> , 84, 764-773	2.1	11
34	The distribution of vinculin to lipid rafts plays an important role in sensing stiffness of extracellular matrix. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1136-1147	2.1	10

33	Improved expression and purification of human multidrug resistance protein MDR1 from baculovirus-infected insect cells. <i>Protein Expression and Purification</i> , <b>2009</b> , 66, 7-14	2	10
32	Celebrating Dr. Satoshi Ōmura, the recipient of the 2015 Nobel Prize in Physiology or Medicine. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1-2	2.1	9
31	The effects of neurological disorder-related codon variations of ABCA13 on the function of the ABC protein. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2012</b> , 76, 2289-93	2.1	9
30	A Synthetic Hybrid Molecule for the Selective Removal of Human Pluripotent Stem Cells from Cell Mixtures. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1765-1770	16.4	8
29	Phosphorylation by protein kinase C stabilizes ABCG1 and increases cholesterol efflux. <i>Journal of Biochemistry</i> , <b>2019</b> ,	3.1	8
28	NEM modification prevents high-affinity ATP binding to the first nucleotide binding fold of the sulphonylurea receptor, SUR1. <i>FEBS Letters</i> , <b>1999</b> , 458, 292-4	3.8	8
27	In vitro and in vivo evaluations of the P-glycoprotein-mediated efflux of dibenzoylhydrazines. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 298, 40-7	4.6	7
26	Vinexin family (SORBS) proteins regulate mechanotransduction in mesenchymal stem cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 11581	4.9	7
25	A novel missense mutation of ABCA1 in transmembrane alpha-helix in a Japanese patient with Tangier disease. <i>Atherosclerosis</i> , <b>2009</b> , 206, 216-22	3.1	7
24	Formation of cholesterol-enriched structures by aberrant intracellular accumulation of ATP-binding cassette transporter A1. <i>Genes To Cells</i> , <b>2008</b> , 13, 889-904	2.3	7
23	Fomiroid A, a novel compound from the mushroom <i>Fomitopsis nigra</i> , inhibits NPC1L1-mediated cholesterol uptake via a mode of action distinct from that of ezetimibe. <i>PLoS ONE</i> , <b>2014</b> , 9, e116162	3.7	6
22	Direct detection of ABCA1-dependent HDL formation based on lipidation-induced hydrophobicity change in apoA-I. <i>Journal of Lipid Research</i> , <b>2014</b> , 55, 2423-31	6.3	6
21	THE SULFONYLUREA RECEPTOR: AN ABCC TRANSPORTER THAT ACTS AS AN ION CHANNEL REGULATOR <b>2003</b> , 551-575		6
20	Cholesterol asymmetry at the tip of filopodia during cell adhesion. <i>FASEB Journal</i> , <b>2020</b> , 34, 6185-6197	0.9	5
19	Structure-activity relationships of dibenzoylhydrazines for the inhibition of P-glycoprotein-mediated quinidine transport. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 3184-91	3.4	5
18	Substrate recognition by P-glycoprotein efflux transporters: Structure-ATPase activity relationship of diverse chemicals and agrochemicals. <i>Journal of Pesticide Sciences</i> , <b>2013</b> , 38, 112-122	2.7	4
17	Preparation and characterization of a murine monoclonal antibody (MDR3M) reactive with mdr3 gene product. <i>Japanese Journal of Cancer Research</i> , <b>1992</b> , 83, 795-7		4
16	ABC proteins in evolution. <i>FEBS Letters</i> , <b>2020</b> , 594, 3876-3881	3.8	4



15	ABCA13 dysfunction associated with psychiatric disorders causes impaired cholesterol trafficking. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100166	5.4	4
14	An amphipathic helix of vinexin $\beta$ s necessary for a substrate stiffness-dependent conformational change in vinculin. <i>Journal of Cell Science</i> , <b>2019</b> , 132,	5.3	4
13	Apolipoprotein A-I directly interacts with extracellular domain 1 of human ABCA1. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2019</b> , 83, 490-497	2.1	3
12	ABCB1/MDR1/P-gp employs an ATP-dependent twist-and-squeeze mechanism to export hydrophobic drugs. <i>FEBS Letters</i> , <b>2021</b> , 595, 707-716	3.8	3
11	Position 834 in TM6 plays an important role in cholesterol and phosphatidylcholine transport by ABCA1. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2015</b> , 79, 775-81	2.1	2
10	Stiffness of the extracellular matrix regulates differentiation into beige adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 532, 205-210	3.4	2
9	LABCG2 transporter is involved in ATP-dependent transport of thiols. <i>Biochemical Journal</i> , <b>2018</b> , 475, 87-97	3.8	2
8	Red Blood Cells Facilitate Reverse Cholesterol Transport.. <i>Blood</i> , <b>2004</b> , 104, 1589-1589	2.2	1
7	Cell migration is negatively modulated by ABCA1. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2019</b> , 83, 463-471	2.1	1
6	A Synthetic Hybrid Molecule for the Selective Removal of Human Pluripotent Stem Cells from Cell Mixtures. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1791-1796	3.6	0
5	Live Cell FRET Analysis of the Conformational Changes of Human P-glycoprotein. <i>Bio-protocol</i> , <b>2021</b> , 11, e3930	0.9	0
4	MDR 1/P-glycoprotein: An Efflux Pump of Lipophilic Xenobiotics. <i>Nippon Nogeikagaku Kaishi</i> , <b>1997</b> , 71, 785-788		
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