

Kenneth Audus

List of Publications by Year in descending order

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121
papers

6,534
citations

66343

42
h-index

66911

78
g-index

122
all docs

122
docs citations

122
times ranked

5823
citing authors

#	ARTICLE	IF	CITATIONS
1	2021 Outstanding Early Career Scientists. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 285.	3.3	0
2	2022 Scientific Advisors to the Editors (SAEs) Appointments. <i>Journal of Pharmaceutical Sciences</i> , 2022, , .	3.3	0
3	2022 Editorial Advisory Board (EAB) Appointments. <i>Journal of Pharmaceutical Sciences</i> , 2022, , .	3.3	0
4	The Jennifer Dressman Dedicated Issue. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 1.	3.3	0
5	The RajĀSuryanarayanan (Sury) Dedicated Issue. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 559.	3.3	0
6	Top reviewers for 2021. <i>Journal of Pharmaceutical Sciences</i> , 2021, , .	3.3	0
7	Editorial. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2823.	3.3	0
8	A Tribute to Ronald T. BorhardtĀTeacher, Mentor, Scientist, Colleague, Leader, Friend, and Family Man. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 370-385.	3.3	4
9	Placental ABC Transporters: Biological Impact and Pharmaceutical Significance. <i>Pharmaceutical Research</i> , 2016, 33, 2847-2878.	3.5	84
10	Editorial. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 288-289.	3.3	0
11	The permeation of dynorphin A 1Ā6 across the blood brain barrier and its effect on bovine brain microvessel endothelial cell monolayer permeability. <i>Peptides</i> , 2012, 38, 414-417.	2.4	4
12	A Comprehensive Study Demonstrating that P-glycoprotein Function is Directly Affected by Changes in pH: Implications for Intestinal pH and Effects on Drug Absorption. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4258-4268.	3.3	8
13	Lipopolysaccharide Increases the Expression of Multidrug Resistance-Associated Protein 1 (MRP1) in RAW 264.7 Macrophages. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 516-520.	4.1	9
14	MRP isoforms and BCRP mediate sulfate conjugate efflux out of BeWo cells. <i>International Journal of Pharmaceutics</i> , 2010, 384, 15-23.	5.2	19
15	Expression and functional activities of selected sulfotransferase isoforms in BeWo cells and primary cytotrophoblast cells. <i>Biochemical Pharmacology</i> , 2009, 78, 1475-1482.	4.4	12
16	TCP-FA4: A derivative of tranilcypromine showing improved bloodĀbrain permeability. <i>Biochemical Pharmacology</i> , 2009, 78, 1412-1417.	4.4	9
17	(3R,5S,7as)-(3,5-Bis(4-fluorophenyl)tetrahydro-1H-oxazolo[3,4-c]oxazol-7a-yl)methanol, a Novel Neuroprotective AgentĀ. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7537-7543.	6.4	8
18	Paclitaxel succinate analogs: Anionic and amide introduction as a strategy to impart bloodĀbrain barrier permeability. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5971-5974.	2.2	26

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19	Contributions of phosphorylation to regulation of OCTN2 uptake of carnitine are minimal in BeWo cells. <i>Biochemical Pharmacology</i> , 2008, 75, 745-751.	4.4	20
20	Investigation of the metabolism of substance P at the blood-brain barrier using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1409-1415.	2.8	15
21	Sequence Recognition of α -LFA-derived Peptides by ICAM-1 Cell Receptors: Inhibitors of T-cell Adhesion. <i>Chemical Biology and Drug Design</i> , 2007, 70, 237-246.	3.2	14
22	Low-affinity uptake of the fluorescent organic cation 4-(4-(dimethylamino)styryl)-N-methylpyridinium iodide (4-Di-1-ASP) in BeWo cells. <i>Biochemical Pharmacology</i> , 2007, 73, 891-900.	4.4	16
23	Synthesis and interactions of 7-deoxy-, 10-deacetoxy, and 10-deacetoxy-7-deoxy paclitaxel with NCI/ADR-RES cancer cells and bovine brain microvessel endothelial cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 433-436.	2.2	11
24	Characteristics of Substance P Transport Across the Blood-Brain Barrier. <i>Pharmaceutical Research</i> , 2006, 23, 1201-1208.	3.5	32
25	Single-site chemical modification at C10 of the baccatin III core of paclitaxel and Taxol C reduces P-glycoprotein interactions in bovine brain microvessel endothelial cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 495-498.	2.2	13
26	Tetrazole compounds: The effect of structure and pH on Caco-2 cell permeability. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 717-725.	3.3	34
27	Role of P-glycoprotein in transplacental transfer of methadone. <i>Biochemical Pharmacology</i> , 2005, 69, 1869-1878.	4.4	84
28	Novel Organic Cation Transporter 2-Mediated Carnitine Uptake in Placental Choriocarcinoma (BeWo) Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 192-198.	2.5	30
29	Chemical Modification of Paclitaxel (Taxol) Reduces P-Glycoprotein Interactions and Increases Permeation across the Blood-Brain Barrier in Vitro and in Situ. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 832-838.	6.4	100
30	National Institute on Drug Abuse Conference report on placental proteins, drug transport, and fetal development. <i>American Journal of Obstetrics and Gynecology</i> , 2004, 191, 1858-1862.	1.3	13
31	Overcoming the Blood-Brain Barrier to Taxane Delivery for Neurodegenerative Diseases and Brain Tumors. <i>Journal of Molecular Neuroscience</i> , 2003, 20, 339-344.	2.3	44
32	The Presence of Inducible Cytochrome P450 Types 1A1 and 1A2 in the BeWo Cell Line. <i>Placenta</i> , 2003, 24, 45-52.	1.5	34
33	Efflux transporters of the human placenta. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 125-132.	13.7	148
34	Characteristics of the Fetal/Maternal Interface with Potential Usefulness in the Development of Future Immunological and Pharmacological Strategies. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 301, 402-409.	2.5	34
35	Contribution of Efflux Pump Activity to the Delivery of Pulmonary Therapeutics. <i>Current Drug Metabolism</i> , 2002, 3, 1-12.	1.2	18
36	Investigation of substance P transport across the blood-brain barrier. <i>Peptides</i> , 2002, 23, 157-165.	2.4	37

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37	Effects of Poly(ethylene glycol) on Efflux Transporter Activity in Caco-2 Cell Monolayers. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 1980-1990.	3.3	136
38	A comparison of commonly used polyethoxylated pharmaceutical excipients on their ability to inhibit P-glycoprotein activity in vitro. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 1991-2002.	3.3	203
39	Amyloid peptide toxicity and microtubule-stabilizing drugs. <i>Journal of Molecular Neuroscience</i> , 2002, 19, 101-105.	2.3	22
40	Transport and metabolism of opioid peptides across BeWo cells, an in vitro model of the placental barrier. <i>International Journal of Pharmaceutics</i> , 2002, 233, 85-98.	5.2	29
41	Increasing paracellular porosity by E-cadherin peptides: discovery of bulge and groove regions in the EC1-domain of E-cadherin. <i>Pharmaceutical Research</i> , 2002, 19, 1170-1179.	3.5	51
42	Nitric Oxide and Blood-Brain Barrier Integrity. <i>Antioxidants and Redox Signaling</i> , 2001, 3, 273-278.	5.4	144
43	Conjugation with L-Glutamate for in vivo Brain Drug Delivery. <i>Journal of Drug Targeting</i> , 2001, 9, 23-37.	4.4	11
44	Modulation of P-glycoprotein activity in Calu-3 cells using steroids and β -ligands. <i>International Journal of Pharmaceutics</i> , 2001, 228, 171-179.	5.2	59
45	Progress and limitations in the use of in vitro cell cultures to serve as a permeability screen for the blood-brain barrier. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1681-1698.	3.3	247
46	P-glycoprotein efflux pump expression and activity in Calu-3 cells. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 647-658.	3.3	82
47	Investigation of the metabolism of substance P at the blood-brain barrier using capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2001, 22, 3778-3784.	2.4	34
48	Improving the selectivity of HAV-peptides in modulating E-cadherin-E-cadherin interactions in the intercellular junction of MDCK cell monolayers. <i>Pharmaceutical Research</i> , 2001, 18, 446-453.	3.5	55
49	Carrier-mediated Transport of Folic Acid in BeWo Cell Monolayers as a Model of the Human Trophoblast. <i>Placenta</i> , 2001, 22, 863-869.	1.5	25
50	Characterization of the Calu-3 cell line as a tool to screen pulmonary drug delivery. <i>International Journal of Pharmaceutics</i> , 2000, 208, 1-11.	5.2	214
51	Carrier-mediated transport of valproic acid in BeWo cells, a human trophoblast cell line. <i>International Journal of Pharmaceutics</i> , 2000, 195, 115-124.	5.2	54
52	Functional expression of P-glycoprotein in primary cultures of human cytotrophoblasts and BeWo cells. <i>Reproductive Toxicology</i> , 2000, 14, 217-224.	2.9	70
53	Fatty Acid Transport Regulatory Proteins in the Developing Rat Placenta and in Trophoblast Cell Culture Models. <i>Placenta</i> , 2000, 21, 367-375.	1.5	54
54	Enhancement of Transport of D-Melphalan Analogue by Conjugation with L-Glutamate across Bovine Brain Microvessel Endothelial Cell Monolayers. <i>Journal of Drug Targeting</i> , 2000, 8, 195-204.	4.4	24

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55	Carrier-mediated transport of monocarboxylic acids in BeWo cell monolayers as a model of the human trophoblast. <i>Journal of Pharmaceutical Sciences</i> , 1999, 88, 1288-1292.	3.3	24
56	Determination of angiotensin II in bloodâ€“brain barrier permeability studies using microbore LC with p-nitrophenyl-2,5-dihydroxyphenylacetate bis-tetrahydropyranyl ether as a pre-separation electrochemical labeling reagent. <i>Analytica Chimica Acta</i> , 1999, 394, 299-308.	5.4	6
57	Nutrient transport across the placenta. <i>Advanced Drug Delivery Reviews</i> , 1999, 38, 41-58.	13.7	120
58	Peptide transport and metabolism across the placenta. <i>Advanced Drug Delivery Reviews</i> , 1999, 38, 59-67.	13.7	25
59	Transport mechanisms for the antidepressant citalopram in brain microvessel endothelium. <i>Brain Research</i> , 1999, 831, 229-236.	2.2	71
60	Controlling drug delivery across the placenta. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 8, 161-165.	4.0	109
61	AT1 Receptors Mediate Angiotensin II Uptake and Transport by Bovine Brain Microvessel Endothelial Cells in Primary Culture. <i>Journal of Cardiovascular Pharmacology</i> , 1999, 33, 30-35.	1.9	27
62	Partial maintenance of taurocholate uptake by adult rat hepatocytes cultured in a collagen sandwich configuration. <i>Pharmaceutical Research</i> , 1998, 15, 1533-1539.	3.5	76
63	Evaluation of the role of P-glycoprotein in ivermectin uptake by primary cultures of bovine brain microvessel endothelial cells. <i>Neurochemical Research</i> , 1998, 23, 203-209.	3.3	23
64	Comparison of the Effects of Potential Parenteral Vehicles for Poorly Water Soluble Anticancer Drugs (Organic Cosolvents and Cyclodextrin Solutions) on Cultured Endothelial Cells (HUV-EC). <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 1138-1143.	3.3	30
65	Receptor-mediated angiotensin II transcytosis by brain microvessel endothelial cells. <i>Peptides</i> , 1998, 19, 1023-1030.	2.4	28
66	Gestational and smoking effects on peptidase activity in the placenta. <i>Peptides</i> , 1998, 19, 1659-1666.	2.4	11
67	Characterization of the A549 Cell Line as a Type II Pulmonary Epithelial Cell Model for Drug Metabolism. <i>Experimental Cell Research</i> , 1998, 243, 359-366.	2.6	531
68	Permeability and Metabolic Properties of a Trophoblast Cell Line (HRP-1) Derived from Normal Rat Placenta. <i>Experimental Cell Research</i> , 1997, 234, 147-155.	2.6	23
69	Modulation of cellular adhesion in bovine brain microvessel endothelial cells by a decapeptide. <i>Brain Research</i> , 1997, 747, 103-113.	2.2	50
70	Sucralfate effects on mucus synthesis and secretion by human gastric epithelium in vitro. <i>International Journal of Pharmaceutics</i> , 1996, 131, 159-169.	5.2	7
71	Evaluation of antiulcer agents with a human adenocarcinoma cell line (AGS). <i>International Journal of Pharmaceutics</i> , 1996, 129, 103-112.	5.2	6
72	Demonstration of sucralfate-mediated preservation of growth factor bioactivity in the presence of low pH with a human gastric epithelial cell line (AGS). <i>Pharmaceutical Research</i> , 1996, 13, 1122-1126.	3.5	4

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73	Passive Diffusion of Weak Organic Electrolytes across Caco-2 Cell Monolayers: Uncoupling the Contributions of Hydrodynamic, Transcellular, and Paracellular Barriers. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 1197-1204.	3.3	138
74	21-aminosteroid and 2-(aminomethyl)chromans inhibition of arachidonic acid-induced lipid peroxidation and permeability enhancement in bovine brain microvessel endothelial cell monolayers. <i>Free Radical Biology and Medicine</i> , 1995, 19, 349-357.	2.9	33
75	Biochemical characteristics of primary and passaged cultures of primate brain microvessel endothelial cells. <i>Neurochemical Research</i> , 1994, 19, 427-433.	3.3	19
76	Quantitative Approaches To Delineate Paracellular Diffusion in Cultured Epithelial Cell Monolayers. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 1529-1536.	3.3	233
77	Cytotoxic effects of chlorhexidine and nystatin on cultured hamster buccal epithelial cells. <i>International Journal of Pharmaceutics</i> , 1994, 101, 121-126.	5.2	9
78	Uptake of surfactant-coated poly(methyl methacrylate)-nanoparticles by bovine brain microvessel endothelial cell monolayers. <i>International Journal of Pharmaceutics</i> , 1994, 110, 29-35.	5.2	98
79	Changes in brain microvessel endothelial cell monolayer permeability induced by adrenergic drugs. <i>European Journal of Pharmacology</i> , 1994, 269, 243-248.	2.6	69
80	Effect of some penetration enhancers on epithelial membrane lipid domains: evidence from fluorescence spectroscopy studies. <i>Pharmaceutical Research</i> , 1994, 11, 288-294.	3.5	41
81	Leucine enkephalin effects on brain microvessel endothelial cell monolayer permeability. <i>Pharmaceutical Research</i> , 1994, 11, 1366-1369.	3.5	3
82	Primary culture of rat gastric epithelial cells as an in vitro model to evaluate antiulcer agents. <i>Pharmaceutical Research</i> , 1994, 11, 77-82.	3.5	20
83	Leucine-enkephalin metabolism in brain microvessel endothelial cells. <i>Peptides</i> , 1994, 15, 109-116.	2.4	24
84	Leucine Enkephalin Effects on Paracellular and Transcellular Permeation Pathways Across Brain Microvessel Endothelial Cell Monolayers. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 24, 818-825.	1.9	17
85	Sulfation of hypertensive and hypotensive drugs by monkey brain phenol sulfotransferase. <i>Neurochemical Research</i> , 1993, 18, 783-786.	3.3	3
86	Ammonium glycyrrhizinate (AMGZ) effects on membrane integrity. <i>International Journal of Pharmaceutics</i> , 1993, 94, 161-170.	5.2	4
87	Biotin uptake and transport across bovine brain microvessel endothelial cell monolayers. <i>Pharmaceutical Research</i> , 1993, 10, 282-288.	3.5	25
88	In vitro nasal transport across ovine mucosa: effects of ammonium glycyrrhizinate on electrical properties and permeability of growth hormone releasing peptide, mannitol, and lucifer yellow. <i>Pharmaceutical Research</i> , 1993, 10, 553-561.	3.5	41
89	Characterization of Dextromethorphan and Dextrorphan Uptake by a Putative Glutamic Acid Carrier and Passive Diffusion across Brain Microvessel Endothelium. <i>Drug Delivery</i> , 1993, 1, 113-118.	5.7	3
90	Tie-1 and tie-2 define another class of putative receptor tyrosine kinase genes expressed in early embryonic vascular system.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9355-9358.	7.1	424

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91	Chlorhexidine Effects on Membrane Lipid Domains of Human Buccal Epithelial Cells. <i>Journal of Dental Research</i> , 1992, 71, 1298-1303.	5.2	28
92	Permeability of the blood-brain barrier to peptides: An approach to the development of therapeutically useful analogs. <i>Peptides</i> , 1992, 13, 1289-1294.	2.4	59
93	Effects of selected vasoactive substances on adenylate cyclase activity in brain, isolated brain microvessels, and primary cultures of brain microvessel endothelial cells. <i>Neurochemical Research</i> , 1992, 17, 209-214.	3.3	17
94	The effect of protein binding on ivermectin uptake by bovine brain microvessel endothelial cells. <i>Veterinary Research Communications</i> , 1992, 16, 365-377.	1.6	10
95	Blood-Brain Barrier: Transport Studies in Isolated Brain Capillaries and in Cultured Brain Endothelial Cells. <i>Advances in Pharmacology</i> , 1991, 22, 137-165.	2.0	54
96	Some characteristics of specific angiotensin II binding sites on bovine brain microvessel endothelial cell monolayers. <i>Peptides</i> , 1991, 12, 535-540.	2.4	16
97	Angiotensin Peptide Regulation of Bovine Brain Microvessel Endothelial Cell Monolayer Permeability. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 18, 212-218.	1.9	38
98	Aminopeptidases of newborn bovine nasal turbinate epithelial cell cultures. <i>International Journal of Pharmaceutics</i> , 1991, 76, 247-255.	5.2	8
99	Evidence for 21-aminosteroid association with the hydrophobic domains of brain microvessel endothelial cells. <i>Free Radical Biology and Medicine</i> , 1991, 11, 361-371.	2.9	93
100	Angiotensin Peptide Regulation of Fluid-Phase Endocytosis in Brain Microvessel Endothelial Cell Monolayers. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 827-834.	4.3	48
101	The use of cultured epithelial and endothelial cells for drug transport and metabolism studies. <i>Pharmaceutical Research</i> , 1990, 07, 435-451.	3.5	246
102	Blood-brain barrier: Mechanisms of peptide regulation and transport. <i>Journal of Controlled Release</i> , 1990, 11, 51-59.	9.9	10
103	Fluid-phase endocytosis by primary cultures of bovine brain microvessel endothelial cell monolayers. <i>Microvascular Research</i> , 1990, 39, 1-14.	2.5	79
104	The application of bovine brain microvessel endothelial-cell monolayers grown onto polycarbonate membranes in vitro to estimate the potential permeability of solutes through the blood-brain barrier. <i>Pharmaceutical Research</i> , 1989, 06, 624-627.	3.5	66
105	Cultured buccal epithelium: an in vitro model derived from the hamster pouch for studying drug transport and metabolism. <i>Pharmaceutical Research</i> , 1989, 06, 160-166.	3.5	50
106	Substrate specificity of phenol sulfotransferase from primary cultures of bovine brain microvessel endothelium. <i>Neurochemical Research</i> , 1989, 14, 689-691.	3.3	20
107	Demonstration of Acid Hydrolase Activity in Primary Cultures of Bovine Brain Microvessel Endothelium. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989, 9, 280-289.	4.3	20
108	Physicochemical factors affecting β_2 -adrenergic antagonist permeation across cultured hamster pouch buccal epithelium. <i>International Journal of Pharmaceutics</i> , 1989, 56, 135-142.	5.2	29

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109	Carrier-mediated transport of baclofen across monolayers of bovine brain endothelial cells in primary culture. <i>Pharmaceutical Research</i> , 1988, 05, 369-371.	3.5	76
110	Aluminum effects on brain microvessel endothelial cell monolayer permeability. <i>International Journal of Pharmaceutics</i> , 1988, 45, 249-257.	5.2	28
111	Bovine Brain Microvessel Endothelial Cell Monolayers as a Model System for the Blood-Brain Barrier. <i>Annals of the New York Academy of Sciences</i> , 1987, 507, 9-18.	3.8	168
112	Characteristics of Aminopeptidase Activity from Bovine Brain Microvessel Endothelium. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 801-805.	4.3	38
113	Relationship of octanol/buffer and octanol/water partition coefficients to transcellular diffusion across brain microvessel endothelial cell monolayers. <i>International Journal of Pharmaceutics</i> , 1986, 32, 79-84.	5.2	51
114	Characterization of an in vitro blood-brain barrier model system for studying drug transport and metabolism. <i>Pharmaceutical Research</i> , 1986, 03, 81-87.	3.5	224
115	Characteristics of the Large Neutral Amino Acid Transport System of Bovine Brain Microvessel Endothelial Cell Monolayers. <i>Journal of Neurochemistry</i> , 1986, 47, 484-488.	3.9	110
116	Catecholamineâ€Metabolizing Enzymes of Bovine Brain Microvessel Endothelial Cell Monolayers. <i>Journal of Neurochemistry</i> , 1986, 46, 1956-1960.	3.9	67
117	Tricyclic antidepressant drug effects on liposomal membranes. <i>Biochemical Pharmacology</i> , 1985, 34, 705-708.	4.4	5
118	Effect of Tricyclic Antidepressant Drugs on Lymphocyte Membrane Structure. <i>Immunopharmacology and Immunotoxicology</i> , 1984, 6, 105-132.	0.8	14
119	Tricyclic Antidepressant Effects on the Murine Lymphocyte Mitogen Response. <i>Immunopharmacology and Immunotoxicology</i> , 1982, 4, 13-27.	0.8	27
120	Use of Fluorescent Probes to Monitor Propranolol Effects on the Murine Splenic Lymphocyte. <i>Immunopharmacology and Immunotoxicology</i> , 1982, 4, 329-353.	0.8	5
121	Characteristics of Tricyclic Antidepressant Binding Sites Associated with Murine Lymphocytes from Spleen. <i>Immunopharmacology and Immunotoxicology</i> , 1982, 4, 1-12.	0.8	18