

Thomas J Raub

List of Publications by Year in descending order

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47
papers

5,497
citations

201674

27
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

5073
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of the Human Colon Carcinoma Cell Line (Caco-2) as a Model System for Intestinal Epithelial Permeability. <i>Gastroenterology</i> , 1989, 96, 736-749.	1.3	1,916
2	Characterization of the human colon carcinoma cell line (Caco-2) as a model system for intestinal epithelial permeability. <i>Gastroenterology</i> , 1989, 96, 736-749.	1.3	934
3	Quantitative Approaches To Delineate Paracellular Diffusion in Cultured Epithelial Cell Monolayers. <i>Journal of Pharmaceutical Sciences</i> , 1994, 83, 1529-1536.	3.3	233
4	Brain Exposure of Two Selective Dual CDK4 and CDK6 Inhibitors and the Antitumor Activity of CDK4 and CDK6 Inhibition in Combination with Temozolomide in an Intracranial Glioblastoma Xenograft. <i>Drug Metabolism and Disposition</i> , 2015, 43, 1360-1371.	3.3	212
5	P-Glycoprotein Recognition of Substrates and Circumvention through Rational Drug Design. <i>Molecular Pharmaceutics</i> , 2006, 3, 3-25.	4.6	194
6	Discovery of N-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]furo[2,3-c]pyridine-5-carboxamide, an Agonist of the $\alpha 7$ Nicotinic Acetylcholine Receptor, for the Potential Treatment of Cognitive Deficits in Schizophrenia: A Synthesis and Structure-Activity Relationship. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 4425-4436.	6.4	193
7	Permeability of bovine brain microvessel endothelial cells in vitro: Barrier tightening by a factor released from astroglia cells. <i>Experimental Cell Research</i> , 1992, 199, 330-340.	2.6	153
8	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
9	How hydrogen bonds impact P-glycoprotein transport and permeability. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6540-6548.	2.2	114
10	The Important Role of Bcrp (Abcg2) in the Biliary Excretion of Sulfate and Glucuronide Metabolites of Acetaminophen, 4-Methylumbelliferone, and Harmol in Mice. <i>Molecular Pharmacology</i> , 2006, 70, 2127-2133.	2.3	97
11	Design, synthesis, structure-activity relationship, and in vivo activity of azabicyclic aryl amides as $\alpha 7$ nicotinic acetylcholine receptor agonists. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 8219-8248.	3.0	91
12	Fluid-phase endocytosis by primary cultures of bovine brain microvessel endothelial cell monolayers. <i>Microvascular Research</i> , 1990, 39, 1-14.	2.5	79
13	Integration of in Silico and in Vitro Tools for Scaffold Optimization during Drug Discovery: Predicting P-Glycoprotein Efflux. <i>Molecular Pharmaceutics</i> , 2013, 10, 1249-1261.	4.6	77
14	Recycling kinetics and transcytosis of transferrin in primary cultures of bovine brain microvessel endothelial cells. <i>Journal of Cellular Physiology</i> , 1991, 149, 141-151.	4.1	76
15	Breast Cancer Resistance Protein Interacts with Various Compounds in Vitro, but Plays a Minor Role in Substrate Efflux at the Blood-Brain Barrier. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1251-1258.	3.3	73
16	Discovery of N-[(3R,5R)-1-azabicyclo[3.2.1]oct-3-yl]furo[2,3-c]pyridine-5-carboxamide as an agonist of the $\alpha 7$ nicotinic acetylcholine receptor: In vitro and in vivo activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3611-3615.	2.2	72
17	Biophysical transport properties of the cuticle of <i>Ascaris suum</i> . <i>Molecular and Biochemical Parasitology</i> , 1990, 41, 153-165.	1.1	71
18	Hexose uptake in primary cultures of bovine brain microvessel endothelial cells. I. Basic characteristics and effects of d-glucose and insulin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1991, 1070, 1-10.	2.6	70

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19	ALTERED HEPATOBILIARY DISPOSITION OF 5 (AND 6)-CARBOXY-2,7-DICHLOROFLUORESCEIN IN Abcg2(Bcrp1) AND Abcc2(Mrp2) KNOCKOUT MICE. <i>Drug Metabolism and Disposition</i> , 2006, 34, 718-723.	3.3	59
20	Rhodamine Inhibitors of P-Glycoprotein: An Amide/Thioamide Switch for ATPase Activity. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3328-3341.	6.4	58
21	Expression of a P-selectin Ligand in Zona Pellucida of Porcine Oocytes and P-selectin on Acrosomal Membrane of Porcine Sperm Cells. Potential Implications for Their Involvement in Sperm-Egg Interactions. <i>Journal of Cell Biology</i> , 1997, 137, 743-754.	5.2	55
22	Kinetic and morphological evidence for endocytosis of mammalian cell integrin receptors by using an anti-fibronectin receptor $\beta 2$ subunit monoclonal antibody. <i>Experimental Cell Research</i> , 1989, 184, 407-426.	2.6	52
23	Multidrug Resistance-Associated Protein 2 Is Primarily Responsible for the Biliary Excretion of Fexofenadine in Mice. <i>Drug Metabolism and Disposition</i> , 2008, 36, 61-64.	3.3	45
24	Endocytosis of wheat germ agglutinin binding sites from the cell surface into a tubular endosomal network. <i>Journal of Cellular Physiology</i> , 1990, 143, 1-12.	4.1	40
25	Transcellular permeability of chlorpromazine demonstrating the roles of protein binding and membrane partitioning. <i>Pharmaceutical Research</i> , 1994, 11, 665-673.	3.5	40
26	Localization of the iron transport glycoprotein, uteroferrin, in the porcine endometrium and placenta by using immunocolloidal gold. <i>Anatomy and Embryology</i> , 1985, 171, 253-258.	1.5	38
27	Roles of P-Glycoprotein, Bcrp, and Mrp2 in Biliary Excretion of Spiramycin in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 3230-3234.	3.2	28
28	Automated Analysis of Polyethylene Glycol-Induced Inhibition of P-Glycoprotein Activity In Vitro. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 21-26.	3.3	26
29	Sporangia, Spherules, and Microcysts. , 1982, , 21-75.		26
30	Sex-Dependent Disposition of Acetaminophen Sulfate and Glucuronide in the in Situ Perfused Mouse Liver. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1916-1921.	3.3	25
31	QSAR Model of Unbound Brain-to-Plasma Partition Coefficient, $K_{p,uu,brain}$: Incorporating P-glycoprotein Efflux as a Variable. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 2225-2233.	5.4	23
32	Rapid endocytosis and recycling of wheat germ agglutinin binding sites on CHO cells: Evidence for two compartments in a nondegradative pathway. <i>Journal of Cellular Physiology</i> , 1990, 144, 52-61.	4.1	22
33	Early Preclinical Evaluation of Brain Exposure in Support of Hit Identification and Lead Optimization. , 2006, , 355-410.		21
34	Cell surface glycoproteins of CHO cells. <i>Experimental Cell Research</i> , 1986, 165, 73-91.	2.6	20
35	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
36	Chalcogenopyrylium dyes as inhibitors/modulators of P-glycoprotein in multidrug-resistant cells. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 9745-9756.	3.0	16

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37	ATP Occlusion by P-Glycoprotein as a Surrogate Measure for Drug Coupling. <i>Biochemistry</i> , 2008, 47, 3294-3307.	2.5	15
38	Efficiency Gains in Tracer Identification for Nuclear Imaging: Can In Vivo LC-MS/MS Evaluation of Small Molecules Screen for Successful PET Tracers?. <i>ACS Chemical Neuroscience</i> , 2014, 5, 1154-1163.	3.5	15
39	In Silico and in Vitro Assessment of OATP1B1 Inhibition in Drug Discovery. <i>Molecular Pharmaceutics</i> , 2018, 15, 3060-3068.	4.6	12
40	Equilibrium distribution of HIV antiviral drugs into human peripheral blood mononuclear cells (PBMC) is controlled by free drug concentration in the extracellular medium. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 19, 399-411.	2.8	11
41	How Well Do Lipophilicity Parameters, MEEKC Microemulsion Capacity Factor, and Plasma Protein Binding Predict CNS Tissue Binding?. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1932-1940.	3.3	11
42	Cell surface glycoproteins of CHO cells. <i>Experimental Cell Research</i> , 1986, 165, 92-106.	2.6	10
43	Synthesis and pharmacological evaluation of sulfone substituted HIV protease inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 399-402.	2.2	6
44	Ultrastructural events and kinetics of microcyst germination in the myxomycete <i>Didymium iridis</i> . <i>Archives of Microbiology</i> , 1981, 128, 384-389.	2.2	5
45	A Tribute to Ronald T. Borchardt "Teacher, Mentor, Scientist, Colleague, Leader, Friend, and Family Man. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 370-385.	3.3	4
46	Membrane Recycling, Adsorptive and Receptor-Mediated Endocytosis by Primary Bovine Cerebral Microvessel Endothelial Cell Monolayers in Vitro. , 1991, , 203-216.		1
47	What is your diagnosis? Serum biochemical data from genetically modified mice. <i>Veterinary Clinical Pathology</i> , 2012, 41, 301-302.	0.7	0