Thomas J Raub

List of Publications by Year
in descending order

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	In Silico and in Vitro Assessment of OATP1B1 Inhibition in Drug Discovery. Molecular Pharmaceutics, 2018, 15, 3060-3068.	4.6	12
2	A Tribute to Ronald T. Borchardtâ€"Teacher, Mentor, Scientist, Colleague, Leader, Friend, and Family Man. Journal of Pharmaceutical Sciences, 2016, 105, 370-385.	3.3	4
3	QSAR Model of Unbound Brain-to-Plasma Partition Coefficient, K_{p,uu,brain}: Incorporating P-glycoprotein Efflux as a Variable. Journal of Chemical Information and Modeling, 2016, 56, 2225-2233.	5.4	23
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. Drug Metabolism and Disposition, 2015, 43, 1360-1371.	3.3	212
5	Efficiency Gains in Tracer Identification for Nuclear Imaging: Can In Vivo LC-MS/MS Evaluation of Small Molecules Screen for Successful PET Tracers?. ACS Chemical Neuroscience, 2014, 5, 1154-1163.	3.5	15
6	Integration of in Silico and in Vitro Tools for Scaffold Optimization during Drug Discovery: Predicting P-Glycoprotein Efflux. Molecular Pharmaceutics, 2013, 10, 1249-1261.	4.6	77
7	How hydrogen bonds impact P-glycoprotein transport and permeability. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6540-6548.	2.2	114
8	How Well Do Lipophilicity Parameters, MEEKC Microemulsion Capacity Factor, and Plasma Protein Binding Predict CNS Tissue Binding?. Journal of Pharmaceutical Sciences, 2012, 101, 1932-1940.	3.3	11
9	What is your diagnosis? Serum biochemical data from genetically modified mice. Veterinary Clinical Pathology, 2012, 41, 301-302.	0.7	0
10	Breast Cancer Resistance Protein Interacts with Various Compounds in Vitro, but Plays a Minor Role in Substrate Efflux at the Blood-Brain Barrier. Drug Metabolism and Disposition, 2009, 37, 1251-1258.	3.3	73
11	Sex-Dependent Disposition of Acetaminophen Sulfate and Glucuronide in the in Situ Perfused Mouse Liver. Drug Metabolism and Disposition, 2009, 37, 1916-1921.	3.3	25
12	Rhodamine Inhibitors of P-Glycoprotein: An Amide/Thioamide â€œSwitchâ€•for ATPase Activity. Journal of Medicinal Chemistry, 2009, 52, 3328-3341.	6.4	58
13	Chalcogenopyrylium dyes as inhibitors/modulators of P-glycoprotein in multidrug-resistant cells. Bioorganic and Medicinal Chemistry, 2008, 16, 9745-9756.	3.0	16
14	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 Î±7 nicotinic acetylcholine receptor: In vitro and in vivo activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3611-3615.	2.2	72
15	ATP Occlusion by P-Glycoprotein as a Surrogate Measure for Drug Coupling. Biochemistry, 2008, 47, 3294-3307.	2.5	15
16	Multidrug Resistance-Associated Protein 2 Is Primarily Responsible for the Biliary Excretion of Fexofenadine in Mice. Drug Metabolism and Disposition, 2008, 36, 61-64.	3.3	45
17	Roles of P-Glycoprotein, Bcrp, and Mrp2 in Biliary Excretion of Spiramycin in Mice. Antimicrobial Agents and Chemotherapy, 2007, 51, 3230-3234.	3.2	28
18	Discovery ofN-[(3R)-1-Azabicyclo[2.2.2]oct-3-yl]furo[2,3-c]pyridine-5-carboxamide, an Agonist of the Î±7 Nicotinic Acetylcholine Receptor, for the Potential Treatment of Cognitive Deficits in Schizophrenia:Â Synthesis and Structureâ^'Activity Relationship. Journal of Medicinal Chemistry, 2006, 49, 4425-4436.	6.4	193

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19	P-Glycoprotein Recognition of Substrates and Circumvention through Rational Drug Design. Molecular Pharmaceutics, 2006, 3, 3-25.	4.6	194
20	Design, synthesis, structureâ€“activity relationship, and in vivo activity of azabicyclic aryl amides as Î±7 nicotinic acetylcholine receptor agonists. Bioorganic and Medicinal Chemistry, 2006, 14, 8219-8248.	3.0	91
21	ALTERED HEPATOBILIARY DISPOSITION OF 5 (AND 6)-CARBOXY-2â€²,7â€²-DICHLOROFLUORESCEIN INAbcg2(Bcrp1) ANDAbcc2(Mrp2) KNOCKOUT MICE. Drug Metabolism and Disposition, 2006, 34, 718-723.	3.3	59
22	The Important Role of Bcrp (Abcg2) in the Biliary Excretion of Sulfate and Glucuronide Metabolites of Acetaminophen, 4-Methylumbelliferone, and Harmol in Mice. Molecular Pharmacology, 2006, 70, 2127-2133.	2.3	97
23	Early Preclinical Evaluation of Brain Exposure in Support of Hit Identification and Lead Optimization. , 2006, , 355-410.		21
24	Automated Analysis of Polyethylene Glycol-Induced Inhibition of P-Glycoprotein Activity In Vitro. Journal of Pharmaceutical Sciences, 2003, 92, 21-26.	3.3	26
25	Equilibrium distribution of HIV antiviral drugs into human peripheral blood mononuclear cells (PBMC) is controlled by free drug concentration in the extracellular medium. Journal of Pharmaceutical and Biomedical Analysis, 1999, 19, 399-411.	2.8	11
26	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 Spermâ€“Egg Interactions. Journal of Cell Biology, 1997, 137, 743-754.	5.2	55
27	Synthesis and pharmacological evaluation of sulfone substituted HIV protease inhibitors. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 399-402.	2.2	6
28	Passive Diffusion of Weak Organic Electrolytes across Cacoâ€2 Cell Monolayers: Uncoupling the Contributions of Hydrodynamic, Transcellular, and Paracellular Barriers. Journal of Pharmaceutical Sciences, 1995, 84, 1197-1204.	3.3	138
29	Quantitative Approaches To Delineate Paracellular Diffusion in Cultured Epithelial Cell Monolayers. Journal of Pharmaceutical Sciences, 1994, 83, 1529-1536.	3.3	233
30	Transcellular permeability of chlorpromazine demonstrating the roles of protein binding and membrane partitioning. Pharmaceutical Research, 1994, 11, 665-673.	3.5	40
31	Permeability of bovine brain microvessel endothelial cells in vitro: Barrier tightening by a factor released from astroglioma cells. Experimental Cell Research, 1992, 199, 330-340.	2.6	153
32	Hexose uptake in primary cultures of bovine brain microvessel endothetial cells. I. Basic characteristics and effects of d-glucose and insulin. Biochimica Et Biophysica Acta - Biomembranes, 1991, 1070, 1-10.	2.6	70
33	Recycling kinetics and transcytosis of transferrin in primary cultures of bovine brain microvessel endothelial cells. Journal of Cellular Physiology, 1991, 149, 141-151.	4.1	76
34	Membrane Recycling, Adsorptive and Receptor-Mediated Endocytosis by Primary Bovine Cerebral Microvessel Endothelial Cell Monolayers in Vitro. , 1991, , 203-216.		1
35	Biophysical transport properties of the cuticle of Ascaris suum. Molecular and Biochemical Parasitology, 1990, 41, 153-165.	1.1	71
36	Endocytosis of wheat germ agglutinin binding sites from the cell surface into a tubular endosomal network. Journal of Cellular Physiology, 1990, 143, 1-12.	4.1	40

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37	Rapid endocytosis and recycling of wheat germ agglutinin binding sites on CHO cells: Evidence for two compartments in a nondegradative pathway. Journal of Cellular Physiology, 1990, 144, 52-61.	4.1	22
38	Fluid-phase endocytosis by primary cultures of bovine brain microvessel endothelial cell monolayers. Microvascular Research, 1990, 39, 1-14.	2.5	79
39	Demonstration of Acid Hydrolase Activity in Primary Cultures of Bovine Brain Microvessel Endothelium. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 280-289.	4.3	20
40	Kinetic and morphological evidence for endocytosis of mammalian cell integrin receptors by using an anti-fibronectin receptor Î² subunit monoclonal antibody. Experimental Cell Research, 1989, 184, 407-426.	2.6	52
41	Characterization of the human colon carcinoma cell line (Caco-2) as a model system for intestinal epithelial permeability. Gastroenterology, 1989, 96, 736-749.	1.3	934
42	Characterization of the Human Colon Carcinoma Cell Line (Caco-2) as a Model System for Intestinal Epithelial Permeability. Gastroenterology, 1989, 96, 736-749.	1.3	1,916
43	Cell surface glycoproteins of CHO cells. Experimental Cell Research, 1986, 165, 73-91.	2.6	20
44	Cell surface glycoproteins of CHO cells. Experimental Cell Research, 1986, 165, 92-106.	2.6	10
45	Localization of the iron transport glycoprotein, uteroferrin, in the porcine endometrium and placenta by using immunocolloidal gold. Anatomy and Embryology, 1985, 171, 253-258.	1.5	38
46	Sporangia, Spherules, and Microcysts. , 1982, , 21-75.		26
47	Ultrastructural events and kinetics of microcyst germination in the myxomycete Didymium iridis. Archives of Microbiology, 1981, 128, 384-389.	2.2	5