

František Å taud

List of Publications by Year in descending order

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102
papers

3,447
citations

126907

33
h-index

161849

54
g-index

102
all docs

102
docs citations

102
times ranked

4013
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Potency of Anti-HIV and Anti-HCV Drugs to Inhibit P-Glycoprotein Mediated Efflux of Digoxin in Caco-2 Cell Line and Human Precision-Cut Intestinal Slices. <i>Pharmaceutics</i> , 2022, 15, 242.	3.8	3
2	Trophoblast Differentiation Affects Crucial Nutritive Functions of Placental Membrane Transporters. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 820286.	3.7	11
3	Catching Them Early: Framework Parameters and Progress for Prenatal and Childhood Application of Advanced Therapies. <i>Pharmaceutics</i> , 2022, 14, 793.	4.5	4
4	Development of a Rat Model of Intra-Amniotic Inflammation via Ultrasound-Guided Administration of a Triggering Agent in the Gestational Sac to Enable Analysis of Individual Amniotic Fluid Samples. <i>Frontiers in Pharmacology</i> , 2022, 13, 871193.	3.5	0
5	Functional characterization of dopamine and norepinephrine transport across the apical and basal plasma membranes of the human placental syncytiotrophoblast. <i>Scientific Reports</i> , 2022, 12, .	3.3	7
6	Revisiting Steroidogenic Pathways in the Human Placenta and Primary Human Trophoblast Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1704.	4.1	25
7	Prenatal inflammation as a link between placental expression signature of tryptophan metabolism and preterm birth. <i>Human Molecular Genetics</i> , 2021, 30, 2053-2067.	2.9	23
8	Rifampicin Induces Gene, Protein, and Activity of P-Glycoprotein (ABCB1) in Human Precision-Cut Intestinal Slices. <i>Frontiers in Pharmacology</i> , 2021, 12, 684156.	3.5	8
9	Effect of Selected Antidepressants on Placental Homeostasis of Serotonin: Maternal and Fetal Perspectives. <i>Pharmaceutics</i> , 2021, 13, 1306.	4.5	19
10	HIV in pregnancy: Mother-to-child transmission, pharmacotherapy, and toxicity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166206.	3.8	15
11	Significance of the placental barrier in antenatal viral infections. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166244.	3.8	12
12	Profiling of Tryptophan Metabolic Pathways in the Rat Fetoplacental Unit during Gestation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7578.	4.1	14
13	Dynamics of Tryptophan Metabolic Pathways in Human Placenta and Placental-Derived Cells: Effect of Gestation Age and Trophoblast Differentiation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 574034.	3.7	34
14	Targeting Pharmacokinetic Drug Resistance in Acute Myeloid Leukemia Cells with CDK4/6 Inhibitors. <i>Cancers</i> , 2020, 12, 1596.	3.7	13
15	S-(4-Nitrobenzyl)-6-thioinosine (NBMPR) is Not a Selective Inhibitor of Equilibrative Nucleoside Transporters but Also Blocks Efflux Activity of Breast Cancer Resistance Protein. <i>Pharmaceutical Research</i> , 2020, 37, 58.	3.5	4
16	Serotonin homeostasis in the maternal-fetal interface at term: Role of transporters (SERT/SLC6A4 and) Tj ETQq0 0 0 rgBT /Overlock 1 rat term placenta. <i>Acta Physiologica</i> , 2020, 229, e13478.	3.8	42
17	Ensartinib (X-396) Effectively Modulates Pharmacokinetic Resistance Mediated by ABCB1 and ABCG2 Drug Efflux Transporters and CYP3A4 Biotransformation Enzyme. <i>Cancers</i> , 2020, 12, 813.	3.7	20
18	Interactions between Maraviroc and the ABCB1, ABCG2, and ABCC2 Transporters: An Important Role in Transplacental Pharmacokinetics. <i>Drug Metabolism and Disposition</i> , 2019, 47, 954-960.	3.3	13

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19	Brivanib Exhibits Potential for Pharmacokinetic Drug-Drug Interactions and the Modulation of Multidrug Resistance through the Inhibition of Human ABCG2 Drug Efflux Transporter and CYP450 Biotransformation Enzymes. <i>Molecular Pharmaceutics</i> , 2019, 16, 4436-4450.	4.6	22
20	Are ENT1/ENT1, NOTCH3, and miR-21 Reliable Prognostic Biomarkers in Patients with Resected Pancreatic Adenocarcinoma Treated with Adjuvant Gemcitabine Monotherapy?. <i>Cancers</i> , 2019, 11, 1621.	3.7	5
21	Anti-HIV and Anti-Hepatitis C Virus Drugs Inhibit P-Glycoprotein Efflux Activity in Caco-2 Cells and Precision-Cut Rat and Human Intestinal Slices. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	21
22	Transport of ribavirin across the rat and human placental barrier: Roles of nucleoside and ATP-binding cassette drug efflux transporters. <i>Biochemical Pharmacology</i> , 2019, 163, 60-70.	4.4	11
23	Interactions of Alectinib with Human ATP-Binding Cassette Drug Efflux Transporters and Cytochrome P450 Biotransformation Enzymes: Effect on Pharmacokinetic Multidrug Resistance. <i>Drug Metabolism and Disposition</i> , 2019, 47, 699-709.	3.3	15
24	Cyclin-dependent kinase inhibitors AZD5438 and R547 show potential for enhancing efficacy of daunorubicin-based anticancer therapy: Interaction with carbonyl-reducing enzymes and ABC transporters. <i>Biochemical Pharmacology</i> , 2019, 163, 290-298.	4.4	9
25	The inhibitory effect of antiretroviral drugs on the L-carnitine uptake in human placenta. <i>Toxicology and Applied Pharmacology</i> , 2019, 368, 18-25.	2.8	10
26	The concept of hybrid molecules of tacrine and benzyl quinolone carboxylic acid (BQCA) as multifunctional agents for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 292-306.	5.5	60
27	Ribociclib shows potential for pharmacokinetic drug-drug interactions being a substrate of ABCB1 and potent inhibitor of ABCB1, ABCG2 and CYP450 isoforms in vitro. <i>Biochemical Pharmacology</i> , 2018, 154, 10-17.	4.4	41
28	Trophoblast: The central unit of fetal growth, protection and programming. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 105, 35-40.	2.8	72
29	Expression of Concentrative Nucleoside Transporters (<i>SLC28A1</i>) in the Human Placenta: Effects of Gestation Age and Prototype Differentiation-Affecting Agents. <i>Molecular Pharmaceutics</i> , 2018, 15, 2732-2741.	4.6	15
30	Interactions of protease inhibitors atazanavir and ritonavir with ABCB1, ABCG2, and ABCC2 transporters: Effect on transplacental disposition in rats. <i>Reproductive Toxicology</i> , 2018, 79, 57-65.	2.9	16
31	LC-MS/MS method for determination of cyclin-dependent kinase inhibitors, BP-14 and BP-20, and its application in pharmacokinetic study in rat. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1089, 24-32.	2.3	0
32	Equilibrative Nucleoside Transporter 1 (ENT1, <i>SLC29A1</i>) Facilitates Transfer of the Antiretroviral Drug Abacavir across the Placenta. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1817-1826.	3.3	25
33	Efavirenz reduces renal excretion of lamivudine in rats by inhibiting organic cation transporters (OCT, Oct) and multidrug and toxin extrusion proteins (MATE, Mate). <i>PLoS ONE</i> , 2018, 13, e0202706.	2.5	11
34	Emtricitabine is a substrate of MATE1 but not of OCT1, OCT2, P-gp, BCRP or MRP2 transporters. <i>Xenobiotica</i> , 2017, 47, 77-85.	1.1	27
35	Role of nucleoside transporters in transplacental pharmacokinetics of nucleoside reverse transcriptase inhibitors zidovudine and emtricitabine. <i>Placenta</i> , 2017, 60, 86-92.	1.5	12
36	MDR1 and BCRP Transporter-Mediated Drug-Drug Interaction between Rilpivirine and Abacavir and Effect on Intestinal Absorption. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	23

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37	Placental passage of olomoucine II, but not purvalanol A, is affected by p-glycoprotein (ABCB1), breast cancer resistance protein (ABCG2) and multidrug resistance-associated proteins (ABCCs). <i>Xenobiotica</i> , 2016, 46, 416-423.	1.1	1
38	Etravirine inhibits ABCG2 drug transporter and affects transplacental passage of tenofovir disoproxil fumarate. <i>Placenta</i> , 2016, 47, 124-129.	1.5	13
39	Long-term administration of tenofovir or emtricitabine to pregnant rats; effect on <i>Abcb1a</i> , <i>Abcb1b</i> and <i>Abcg2</i> expression in the placenta and in maternal and fetal organs. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 84-92.	2.4	7
40	Role of ABC and Solute Carrier Transporters in the Placental Transport of Lamivudine. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5563-5572.	3.2	19
41	Role of ABCB1, ABCG2, ABCC2 and ABCC5 transporters in placental passage of zidovudine. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 28-38.	1.9	24
42	IL-1 receptor blockade alleviates endotoxin-mediated impairment of renal drug excretory functions in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F388-F399.	2.7	9
43	Regulation of drug transporter expression and function in the placenta. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015, 11, 533-555.	3.3	40
44	Effect of drug efflux transporters on placental transport of antiretroviral agent abacavir. <i>Reproductive Toxicology</i> , 2015, 57, 176-182.	2.9	29
45	Boldine enhances bile production in rats via osmotic and Farnesoid X receptor dependent mechanisms. <i>Toxicology and Applied Pharmacology</i> , 2015, 285, 12-22.	2.8	19
46	Interactions of cyclin-dependent kinase inhibitors AT-7519, flavopiridol and SNS-032 with ABCB1, ABCG2 and ABCC1 transporters and their potential to overcome multidrug resistance in vitro. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 105-116.	2.3	28
47	Dinaciclib, a cyclin-dependent kinase inhibitor, is a substrate of human ABCB1 and ABCG2 and an inhibitor of human ABCC1 in vitro. <i>Biochemical Pharmacology</i> , 2015, 98, 465-472.	4.4	27
48	Interactions of tenofovir and tenofovir disoproxil fumarate with drug efflux transporters ABCB1, ABCG2, and ABCC2; role in transport across the placenta. <i>Aids</i> , 2014, 28, 9-17.	2.2	68
49	Transfer of metformin across the rat placenta is mediated by organic cation transporter 3 (OCT3/SLC22A3) and multidrug and toxin extrusion 1 (MATE1/SLC47A1) protein. <i>Reproductive Toxicology</i> , 2013, 39, 17-22.	2.9	31
50	Multidrug and toxin extrusion proteins (MATE/SLC47); role in pharmacokinetics. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2007-2011.	2.8	61
51	Tetratricopeptide Repeat Motifs in the World of Bacterial Pathogens: Role in Virulence Mechanisms. <i>Infection and Immunity</i> , 2013, 81, 629-635.	2.2	156
52	Organic Cation Transporter 3 (OCT3/SLC22A3) and Multidrug and Toxin Extrusion 1 (MATE1/SLC47A1) Transporter in the Placenta and Fetal Tissues: Expression Profile and Fetus Protective Role at Different Stages of Gestation. <i>Biology of Reproduction</i> , 2013, 88, 55.	2.7	58
53	Olomoucine II, but Not Purvalanol A, Is Transported by Breast Cancer Resistance Protein (ABCG2) and P-Glycoprotein (ABCB1). <i>PLoS ONE</i> , 2013, 8, e75520.	2.5	6
54	Purvalanol A, Olomoucine II and Roscovitine Inhibit ABCB1 Transporter and Synergistically Potentiate Cytotoxic Effects of Daunorubicin In Vitro. <i>PLoS ONE</i> , 2013, 8, e83467.	2.5	27

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55	Synchronized Activity of Organic Cation Transporter 3 (Oct3/Slc22a3) and Multidrug and Toxin Extrusion 1 (Mate1/Slc47a1) Transporter in Transplacental Passage of MPP+ in Rat. <i>Toxicological Sciences</i> , 2012, 128, 471-481.	3.1	38
56	Pharmacotherapy in pregnancy; effect of ABC and SLC transporters on drug transport across the placenta and fetal drug exposure. <i>Journal of Drug Targeting</i> , 2012, 20, 736-763.	4.4	99
57	Olomoucine II and purvalanol A inhibit ABCG2 transporter in vitro and in situ and synergistically potentiate cytostatic effect of mitoxantrone. <i>Pharmacological Research</i> , 2012, 65, 312-319.	7.1	23
58	Fetoprotective activity of breast cancer resistance protein (BCRP, ABCG2): expression and function throughout pregnancy. <i>Drug Metabolism Reviews</i> , 2011, 43, 53-68.	3.6	42
59	Dexamethasone reduces methotrexate biliary elimination and potentiates its hepatotoxicity in rats. <i>Toxicology</i> , 2010, 267, 165-171.	4.2	25
60	Expression and Function of P-Glycoprotein in Normal Tissues: Effect on Pharmacokinetics. <i>Methods in Molecular Biology</i> , 2010, 596, 199-222.	0.9	74
61	Up-regulation of renal Mdr1 and Mrp2 transporters during amiodarone pretreatment in rats. <i>Pharmacological Research</i> , 2010, 61, 129-135.	7.1	10
62	Transplacental Pharmacokinetics of Glyburide, Rhodamine 123, and BODIPY FL Prazosin: Effect of Drug Efflux Transporters and Lipid Solubility. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 1118-1125.	2.5	64
63	Dexamethasone and betamethasone administration during pregnancy affects expression and function of 11 β -hydroxysteroid dehydrogenase type 2 in the rat placenta. <i>Reproductive Toxicology</i> , 2009, 28, 46-51.	2.9	20
64	Alteration of Methotrexate Biliary and Renal Elimination during Extrahepatic and Intrahepatic Cholestasis in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 1978-1985.	1.4	30
65	Variation of Drug Kinetics in Pregnancy. <i>Current Drug Metabolism</i> , 2009, 10, 520-529.	1.2	93
66	Amiodarone modulates pharmacokinetics of low-dose methotrexate in rats. <i>Biopharmaceutics and Drug Disposition</i> , 2008, 29, 289-299.	1.9	9
67	Zonation of multidrug resistance-associated protein 2 in rat liver after induction with dexamethasone. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, e225-30.	2.8	12
68	Role of breast cancer resistance protein (Bcrp/Abcg2) in fetal protection during gestation in rat. <i>Toxicology Letters</i> , 2008, 178, 176-180.	0.8	44
69	Effect of ABCG2 on cytotoxicity of platinum drugs: Interference of EGFP. <i>Toxicology in Vitro</i> , 2008, 22, 1846-1852.	2.4	28
70	Reciprocal Changes in Maternal and Fetal Metabolism of Corticosterone in Rat During Gestation. <i>Reproductive Sciences</i> , 2008, 15, 921-931.	2.5	8
71	Azole Antimycotics Differentially Affect Rifampicin-Induced Pregnane X Receptor-Mediated CYP3A4 Gene Expression. <i>Drug Metabolism and Disposition</i> , 2008, 36, 339-348.	3.3	54
72	P-glycoprotein function and expression during obstructive cholestasis in rats. <i>European Journal of Gastroenterology and Hepatology</i> , 2008, 20, 404-412.	1.6	10

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73	Valproic Acid Induces CYP3A4 and MDR1 Gene Expression by Activation of Constitutive Androstane Receptor and Pregnane X Receptor Pathways. <i>Drug Metabolism and Disposition</i> , 2007, 35, 1032-1041.	3.3	195
74	Salicylanilide Acetates: Synthesis and Antibacterial Evaluation. <i>Molecules</i> , 2007, 12, 1-12.	3.8	40
75	<i>In Vitro</i> Tests for Detecting Chemicals Affecting the Embryo Implantation Process. <i>ATLA Alternatives To Laboratory Animals</i> , 2007, 35, 421-439.	1.0	13
76	Synthesis of pH-sensitive amphotericin B poly(ethylene glycol) conjugates and study of their controlled release in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4069-4076.	3.0	35
77	MORPHOLOGICAL AND FUNCTIONAL CHANGES IN P-GLYCOPROTEIN DURING DEXAMETHASONE-INDUCED HEPATOMEGALY. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 296-303.	1.9	23
78	Examination of Glucocorticoid Receptor-Mediated Transcriptional Regulation of P-glycoprotein, CYP3A4, and CYP2C9 Genes in Placental Trophoblast Cell Lines. <i>Placenta</i> , 2007, 28, 1004-1011.	1.5	74
79	EXPRESSION AND FUNCTIONAL ACTIVITY OF BREAST CANCER RESISTANCE PROTEIN (BCRP, ABCG2) TRANSPORTER IN THE HUMAN CHORIOCARCINOMA CELL LINE BEWO. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 58-65.	1.9	74
80	Lack of Interactions between Breast Cancer Resistance Protein (BCRP/ABCG2) and Selected Antiepileptic Agents. <i>Epilepsia</i> , 2006, 47, 461-468.	5.1	65
81	Synthesis and antimicrobial evaluation of new 2-substituted 5,7-di-tert-butylbenzoxazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5850-5865.	3.0	100
82	P-glycoprotein in the placenta: Expression, localization, regulation and function. <i>Reproductive Toxicology</i> , 2006, 22, 400-410.	2.9	187
83	Corticosterone Transfer and Metabolism in the Dually Perfused Rat Placenta: Effect of 11 β -hydroxysteroid Dehydrogenase Type 2. <i>Placenta</i> , 2006, 27, 171-180.	1.5	40
84	Molecular Determinants in the Transport of a Bile Acid-Derived Diagnostic Agent in Tumoral and Nontumoral Cell Lines of Human Liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 809-817.	2.5	51
85	Expression and Transport Activity of Breast Cancer Resistance Protein (Bcrp/Abcg2) in Dually Perfused Rat Placenta and HRP-1 Cell Line. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 53-62.	2.5	79
86	Breast cancer resistance protein (BCRP/ABCG2). <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 720-725.	2.8	189
87	P-glycoprotein expression and distribution in the rat placenta during pregnancy. <i>Reproductive Toxicology</i> , 2004, 18, 785-792.	2.9	63
88	Inhibition of experimental hepatic metastasis by targeted delivery of catalase in mice. <i>Clinical and Experimental Metastasis</i> , 2004, 21, 213-221.	3.3	59
89	Examination of the Functional Activity of P-glycoprotein in the Rat Placental Barrier Using Rhodamine 123. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 1239-1250.	2.5	54
90	Determination of rhodamine 123 by sequential injection technique for pharmacokinetic studies in the rat placenta. <i>Talanta</i> , 2002, 58, 1145-1149.	5.5	5

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91	Determination of rhodamine 123 by sequential injection technique for pharmacokinetic studies in the rat placenta. <i>Talanta</i> , 2002, 58, 1145-9.	5.5	0
92	Influence of Pâ€Glycoprotein on the Transplacental Passage of Cyclosporine. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1583-1592.	3.3	63
93	Disposition of radioactivity after injection of liver-targeted proteins labeled with 111In or 125I. Effect of labeling on distribution and excretion of radioactivity in rats. <i>Journal of Pharmaceutical Sciences</i> , 1999, 88, 577-585.	3.3	24
94	Transfer of clorazepate and nordiazepam across the umbilically perfused rat term placenta in situ: Comparison with flunitrazepam and diazepam. <i>Placenta</i> , 1999, 20, 329-342.	1.5	1
95	Liver uptake and hepato-biliary transfer of galactosylated proteins in rats are determined by the extent of galactosylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999, 1427, 183-192.	2.4	18
96	Pharmacokinetic Evaluation of Biodistribution Data Obtained with Radiolabeled Proteins in Mice.. <i>Biological and Pharmaceutical Bulletin</i> , 1999, 22, 214-218.	1.4	14
97	UNIDIRECTIONAL TRANSFER OF D-XYLOSE ACROSS THE RAT PLACENTA. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998, 25, 54-56.	1.9	1
98	Pharmacokinetic examination of antipyrine passage through the placenta and the small intestine in rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1998, 23, 118-124.	1.6	0
99	Different Transfers of N-Acetyl-p-Aminobenzoic Acid and p-Aminobenzoic Acid Across the Placenta and the Small Intestine in Rats. <i>Journal of Drug Targeting</i> , 1998, 5, 207-213.	4.4	3
100	Pharmacokinetic Examination of p-Aminobenzoic Acid Passage through the Placenta and the Small Intestine in Rats. <i>Journal of Drug Targeting</i> , 1997, 5, 57-65.	4.4	4
101	Efficacy of Orally Administered Ivermectin Against Larval Stages of Bot Fly (<i>Cephenemyia stimulator</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 0.5	0.5	4
102	Phenytoin transfer across the in situ perfused rat term placenta. <i>Die Pharmazie</i> , 1997, 52, 871-4.	0.5	1