LukáÅ; ÄŒervený

List of Publications by Year in descending order

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44 papers

1,471 citations

304368 22 h-index 38 g-index

47 all docs

47 docs citations

47 times ranked

2119 citing authors

| # | Article | IF | CITATIONS |
|----------------------|---|--------------------|----------------------------|
| 1 | Valproic Acid Induces CYP3A4 and MDR1 Gene Expression by Activation of Constitutive Androstane Receptor and Pregnane X Receptor Pathways. Drug Metabolism and Disposition, 2007, 35, 1032-1041. | 1.7 | 195 |
| 2 | Tetratricopeptide Repeat Motifs in the World of Bacterial Pathogens: Role in Virulence Mechanisms. Infection and Immunity, 2013, 81, 629-635. | 1.0 | 156 |
| 3 | Pharmacotherapy in pregnancy; effect of ABC and SLC transporters on drug transport across the placenta and fetal drug exposure. Journal of Drug Targeting, 2012, 20, 736-763. | 2.1 | 99 |
| 4 | Examination of Glucocorticoid Receptor α-Mediated Transcriptional Regulation of P-glycoprotein, CYP3A4, and CYP2C9 Genes in Placental Trophoblast Cell Lines. Placenta, 2007, 28, 1004-1011. | 0.7 | 74 |
| 5 | Interactions of tenofovir and tenofovir disoproxil fumarate with drug efflux transporters ABCB1, ABCG2, and ABCC2; role in transport across the placenta. Aids, 2014, 28, 9-17. | 1.0 | 68 |
| 6 | Lack of Interactions between Breast Cancer Resistance Protein (BCRP/ABCG2) and Selected Antiepileptic Agents. Epilepsia, 2006, 47, 461-468. | 2.6 | 65 |
| 7 | Multidrug and toxin extrusion proteins (MATE/SLC47); role in pharmacokinetics. International Journal of Biochemistry and Cell Biology, 2013, 45, 2007-2011. | 1.2 | 61 |
| 8 | 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 Gestation1. Biology of Reproduction, 2013, 88, 55. | 1.2 | 58 |
| 9 | Azole Antimycotics Differentially Affect Rifampicin-Induced Pregnane X Receptor-Mediated CYP3A4 Gene Expression. Drug Metabolism and Disposition, 2008, 36, 339-348. | 1.7 | 54 |
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| 10 | Serotonin homeostasis in the maternoâ€foetal interface at term: Role of transporters (SERT/SLC6A4 and) Tj ETC rat term placenta. Acta Physiologica, 2020, 229, e13478. | Qq0 0 0 rgl 1.8 | BT /Overlock 1 42 |
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| | rat term placenta. Acta Physiologica, 2020, 229, e13478. Current antiviral drugs and their analysis in biological materials – Part II: Antivirals against hepatitis | 1.8 | 42 |
| 11 | rat term placenta. Acta Physiologica, 2020, 229, e13478. Current antiviral drugs and their analysis in biological materials – Part II: Antivirals against hepatitis and HIV viruses. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 378-399. 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. Toxicological | 1.4 | 41 |
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| 11 12 13 | rat term placenta. Acta Physiologica, 2020, 229, e13478. Current antiviral drugs and their analysis in biological materials – Part II: Antivirals against hepatitis and HIV viruses. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 378-399. 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. Toxicological Sciences, 2012, 128, 471-481. Characterization of Protein Glycosylation in Francisella tularensis subsp. holarctica. Molecular and Cellular Proteomics, 2012, 11, M111.015016-1-M111.015016-12. iTRAQ quantitative analysis of <i>Francisella tularensis</i> i> ssp. <i>holarctica</i> live vaccine strain and <i> Francisella tularensis</i> ScHu S4 response to different temperatures | 1.4 1.4 2.5 | 41 38 36 |
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| 11 12 13 14 | rat term placenta. Acta Physiologica, 2020, 229, e13478. Current antiviral drugs and their analysis in biological materials â€" Part II: Antivirals against hepatitis and HIV viruses. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 378-399. 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. Toxicological Sciences, 2012, 128, 471-481. Characterization of Protein Glycosylation in Francisella tularensis subsp. holarctica. Molecular and Cellular Proteomics, 2012, 11, M111.015016-1-M111.015016-12. iTRAQ quantitative analysis of ⟨i⟩ Francisella tularensis⟨i⟩ ssp. ⟨i⟩ holarctica⟨i⟩ live vaccine strain and ⟨i⟩ Francisella tularensis⟨i⟩ ssp. ⟨i⟩ tularensis⟨i⟩ SCHU S4 response to different temperatures and stationary phases of growth. Proteomics, 2009, 9, 2875-2882. A proteomic view of the hostâ€"pathogen interaction: The host perspective. Proteomics, 2011, 11, 3212-3220. Dynamics of Tryptophan Metabolic Pathways in Human Placenta and Placental-Derived Cells: Effect of Gestation Age and Trophoblast Differentiation. Frontiers in Cell and Developmental Biology, 2020, 8, | 1.4 1.4 2.5 1.3 | 42 41 38 36 35 |

| # | Article | IF | CITATIONS |
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| 19 | Emtricitabine is a substrate of MATE1 but not of OCT1, OCT2, P-gp, BCRP or MRP2 transporters. Xenobiotica, 2017, 47, 77-85. | 0.5 | 27 |
| 20 | Equilibrative Nucleoside Transporter 1 (ENT1, <i>SLC29A1</i>) Facilitates Transfer of the Antiretroviral Drug Abacavir across the Placenta. Drug Metabolism and Disposition, 2018, 46, 1817-1826. | 1.7 | 25 |
| 21 | Role of ABCB1, ABCC2, ABCC2 and ABCC5 transporters in placental passage of zidovudine. Biopharmaceutics and Drug Disposition, 2016, 37, 28-38. | 1.1 | 24 |
| 22 | MDR1 and BCRP Transporter-Mediated Drug-Drug Interaction between Rilpivirine and Abacavir and Effect on Intestinal Absorption. Antimicrobial Agents and Chemotherapy, 2017, 61, . | 1.4 | 23 |
| 23 | 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. Antimicrobial Agents and Chemotherapy, 2019, 63, . | 1.4 | 21 |
| 24 | Role of ABC and Solute Carrier Transporters in the Placental Transport of Lamivudine. Antimicrobial Agents and Chemotherapy, 2016, 60, 5563-5572. | 1.4 | 19 |
| 25 | Effect of Selected Antidepressants on Placental Homeostasis of Serotonin: Maternal and Fetal Perspectives. Pharmaceutics, 2021, 13, 1306. | 2.0 | 19 |
| 26 | Deletion of IglH in virulent Francisella tularensis subsp. holarctica FSC200 strain results in attenuation and provides protection against the challenge with the parental strain. Microbes and Infection, 2012, 14, 177-187. | 1.0 | 18 |
| 27 | Current antiviral drugs and their analysis in biological materials—Part I: Antivirals against respiratory and herpes viruses. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 400-416. | 1.4 | 17 |
| 28 | Interactions of protease inhibitors atazanavir and ritonavir with ABCB1, ABCG2, and ABCC2 transporters: Effect on transplacental disposition in rats. Reproductive Toxicology, 2018, 79, 57-65. | 1.3 | 16 |
| 29 | Expression of Concentrative Nucleoside Transporters (<i>SLC28A</i>) in the Human Placenta: Effects of Gestation Age and Prototype Differentiation-Affecting Agents. Molecular Pharmaceutics, 2018, 15, 2732-2741. | 2.3 | 15 |
| 30 | HIV in pregnancy: Mother-to-child transmission, pharmacotherapy, and toxicity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 166206. | 1.8 | 15 |
| 31 | Atorvastatin-induced endothelial nitric oxide synthase expression in endothelial cells is mediated by endoglin. Journal of Physiology and Pharmacology, 2015, 66, 403-13. | 1.1 | 15 |
| 32 | Role of nucleoside transporters in transplacental pharmacokinetics of nucleoside reverse transcriptase inhibitors zidovudine and emtricitabine. Placenta, 2017, 60, 86-92. | 0.7 | 12 |
| 33 | Transport of ribavirin across the rat and human placental barrier: Roles of nucleoside and ATP-binding cassette drug efflux transporters. Biochemical Pharmacology, 2019, 163, 60-70. | 2.0 | 11 |
| 34 | Rifampicin Induces Gene, Protein, and Activity of P-Glycoprotein (ABCB1) in Human Precision-Cut Intestinal Slices. Frontiers in Pharmacology, 2021, 12, 684156. | 1.6 | 8 |
| 35 | Long-term administration of tenofovir or emtricitabine to pregnant rats; effect on $\langle i \rangle$ Abcbla $\langle i \rangle$ Abcblb $\langle i \rangle$ and $\langle i \rangle$ Abcg2 $\langle i \rangle$ expression in the placenta and in maternal and fetal organs. Journal of Pharmacy and Pharmacology, 2016, 68, 84-92. | 1.2 | 7 |
| 36 | Determination of Antiviral Drugs and Their Metabolites Using Micro-Solid Phase Extraction and UHPLC-MS/MS in Reversed-Phase and Hydrophilic Interaction Chromatography Modes. Molecules, 2021, 26, 2123. | 1.7 | 7 |

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| 37 | Analytical Monitoring of Trinitrotoluene Metabolites in Urine by GC-MS. Part I. Semiquantitative Determination of 4-Amino-2,6-dinitrotoluene in Human Urine. Journal of Analytical Toxicology, 2005, 29, 62-65. | 1.7 | 5 |
| 38 | Are ENT1/ENT1, NOTCH3, and miR-21 Reliable Prognostic Biomarkers in Patients with Resected Pancreatic Adenocarcinoma Treated with Adjuvant Gemcitabine Monotherapy?. Cancers, 2019, 11, 1621. | 1.7 | 5 |
| 39 | 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. Pharmaceutical Research, 2020, 37, 58. | 1.7 | 4 |
| 40 | Characterization of Tetratricopeptide Repeat-Like Proteins in Francisella tularensis and Identification of a Novel Locus Required for Virulence. Infection and Immunity, 2014, 82, 5035-5048. | 1.0 | 3 |
| 41 | Dually directional glycosylated phthalocyanines as extracellular red-emitting fluorescent probes. Dalton Transactions, 2020, 49, 9605-9617. | 1.6 | 3 |
| 42 | 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. Pharmaceuticals, 2022, 15, 242. | 1.7 | 3 |
| 43 | The role of nucleoside transporters in entecavir transport across placenta. Drug Metabolism and Pharmacokinetics, 2019, 34, S40. | 1.1 | O |
| 44 | ATP-Binding cassette transporters and CYP450 Isoforms are possible sites of ribociclib drug interactions. Drug Metabolism and Pharmacokinetics, 2019, 34, S41. | 1.1 | 0 |