

Uwe Christians

List of Publications by Year in descending order

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63
papers

2,244
citations

201385

27
h-index

223531

46
g-index

65
all docs

65
docs citations

65
times ranked

2848
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Clinically Relevant Drug Interactions Associated with Tacrolimus. <i>Clinical Pharmacokinetics</i> , 2002, 41, 813-851.	1.6	272
2	Metabolism of the immunosuppressant tacrolimus in the small intestine: cytochrome P450, drug interactions, and interindividual variability. <i>Drug Metabolism and Disposition</i> , 1995, 23, 1315-24.	1.7	190
3	Automated, fast and sensitive quantification of drugs in blood by liquid chromatography-mass spectrometry with on-line extraction: immunosuppressants. <i>Biomedical Applications</i> , 2000, 748, 41-53.	1.7	162
4	Everolimus and sirolimus in transplantation-related but different. <i>Expert Opinion on Drug Safety</i> , 2015, 14, 1055-1070.	1.0	131
5	Comparison of the in vitro metabolism of the macrolide immunosuppressants sirolimus and RAD. <i>Transplantation Proceedings</i> , 2001, 33, 514-515.	0.3	113
6	Functional interactions between P-glycoprotein and CYP3A in drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2005, 1, 641-654.	1.5	101
7	Assessment of tacrolimus inpatient variability in stable adherent transplant recipients: Establishing baseline values. <i>American Journal of Transplantation</i> , 2019, 19, 1410-1420.	2.6	79
8	Active Drug Transport of Immunosuppressants. <i>Therapeutic Drug Monitoring</i> , 2006, 28, 39-44.	1.0	77
9	Sirolimus, but not the structurally related RAD (everolimus), enhances the negative effects of cyclosporine on mitochondrial metabolism in the rat brain. <i>British Journal of Pharmacology</i> , 2001, 133, 875-885.	2.7	75
10	A sensitive assay for the quantification of morphine and its active metabolites in human plasma and dried blood spots using high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 715-728.	1.9	70
11	Metabolism of Sirolimus and Its Derivative Everolimus by Cytochrome P450 3A4: Insights from Docking, Molecular Dynamics, and Quantum Chemical Calculations. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 2027-2034.	2.9	60
12	Alterations in glucose metabolism by cyclosporine in rat brain slices link to oxidative stress: interactions with mTOR inhibitors. <i>British Journal of Pharmacology</i> , 2004, 143, 388-396.	2.7	56
13	An Atmospheric Pressure Chemical Ionization MS/MS Assay Using Online Extraction for the Analysis of 11 Cannabinoids and Metabolites in Human Plasma and Urine. <i>Therapeutic Drug Monitoring</i> , 2017, 39, 556-564.	1.0	53
14	Transport Proteins and Intestinal Metabolism. <i>Therapeutic Drug Monitoring</i> , 2004, 26, 104-106.	1.0	50
15	Endothelial Microparticles and Systemic Complement Activation in Patients With Chronic Kidney Disease. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	47
16	Isolation of two immunosuppressive metabolites after in vitro metabolism of rapamycin. <i>Drug Metabolism and Disposition</i> , 1992, 20, 186-91.	1.7	44
17	Regulation of kynurenine metabolism by a ketogenic diet. <i>Journal of Lipid Research</i> , 2018, 59, 958-966.	2.0	40
18	A low blood volume LC-MS/MS assay for the quantification of fentanyl and its major metabolites norfentanyl and despropionyl fentanyl in children. <i>Journal of Separation Science</i> , 2011, 34, 3568-3577.	1.3	39

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19	Intrauterine Growth Restriction Programs the Hypothalamus of Adult Male Rats: Integrated Analysis of Proteomic and Metabolomic Data. <i>Journal of Proteome Research</i> , 2017, 16, 1515-1525.	1.8	36
20	A relative L-arginine deficiency contributes to endothelial dysfunction across the stages of the menopausal transition. <i>Physiological Reports</i> , 2017, 5, e13409.	0.7	35
21	Structural identification of three metabolites and a degradation product of the macrolide immunosuppressant sirolimus (rapamycin) by electrospray-MS/MS after incubation with human liver microsomes. <i>Drug Metabolism and Disposition</i> , 1996, 24, 1272-8.	1.7	33
22	Assessment and validation of the MS/MS fragmentation patterns of the macrolide immunosuppressant everolimus. <i>Journal of Mass Spectrometry</i> , 2007, 42, 793-802.	0.7	32
23	Amino acids in a targeted versus a non-targeted metabolomics LC-MS/MS assay. Are the results consistent?. <i>Clinical Biochemistry</i> , 2016, 49, 955-961.	0.8	32
24	Identification of Everolimus Metabolite Patterns in Trough Blood Samples of Kidney Transplant Patients. <i>Therapeutic Drug Monitoring</i> , 2007, 29, 592-599.	1.0	31
25	A Theoretical Physiologically-Based Pharmacokinetic Approach to Ascertain Covariates Explaining the Large Interpatient Variability in Tacrolimus Disposition. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2019, 8, 273-284.	1.3	30
26	Bioequivalence between innovator and generic tacrolimus in liver and kidney transplant recipients: A randomized, crossover clinical trial. <i>PLoS Medicine</i> , 2017, 14, e1002428.	3.9	29
27	A high-performance liquid chromatography – tandem mass spectrometry – based targeted metabolomics kidney dysfunction marker panel in human urine. <i>Clinica Chimica Acta</i> , 2015, 446, 43-53.	0.5	28
28	Characterization of sirolimus metabolites in pediatric solid organ transplant recipients. <i>Pediatric Transplantation</i> , 2009, 13, 44-53.	0.5	25
29	The Immunosuppressant Mycophenolic Acid Alters Nucleotide and Lipid Metabolism in an Intestinal Cell Model. <i>Scientific Reports</i> , 2017, 7, 45088.	1.6	19
30	Improving Therapeutic Decisions: Pharmacodynamic Monitoring as an Integral Part of Therapeutic Drug Monitoring. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 111-114.	1.0	19
31	Metabolic reprogramming in a slowly developing orthologous model of polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F258-F267.	1.3	17
32	A simple and highly sensitive on-line column extraction liquid chromatography-tandem mass spectrometry method for the determination of protein-unbound tacrolimus in human plasma samples. <i>Journal of Chromatography A</i> , 2018, 1547, 45-52.	1.8	16
33	Surface Detection of THC Attributable to Vaporizer Use in the Indoor Environment. <i>Scientific Reports</i> , 2019, 9, 18587.	1.6	16
34	Elevated plasma homocysteine and cysteine are associated with endothelial dysfunction across menopausal stages in healthy women. <i>Journal of Applied Physiology</i> , 2019, 126, 1533-1540.	1.2	15
35	Quantification of the Immunosuppressant Tacrolimus on Dried Blood Spots Using LC-MS/MS. <i>Journal of Visualized Experiments</i> , 2015, , e52424.	0.2	15
36	Development and validation of a semi-automated assay for the highly sensitive quantification of Biolimus A9 in human whole blood using high-performance liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3506-3514.	1.2	14

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37	The Hepatic Microenvironment Uniquely Protects Leukemia Cells through Induction of Growth and Survival Pathways Mediated by LIPG. <i>Cancer Discovery</i> , 2021, 11, 500-519.	7.7	13
38	Simultaneous Quantification of 17 Cannabinoids by LC-MS-MS in Human Plasma. <i>Journal of Analytical Toxicology</i> , 2022, 46, 383-392.	1.7	13
39	Biomarkers of oxidative stress, inflammation, and vascular dysfunction in inherited cystathionine Î²-synthase deficient homocystinuria and the impact of taurine treatment in a phase 1/2 human clinical trial. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 424-437.	1.7	11
40	Physiologically-Based Pharmacokinetic Modeling to Investigate the Effect of Maturation on Buprenorphine Pharmacokinetics in Newborns with Neonatal Opioid Withdrawal Syndrome. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 111, 496-508.	2.3	11
41	Disposition of oral delta-9 tetrahydrocannabinol (THC) in children receiving cannabis extracts for epilepsy. <i>Clinical Toxicology</i> , 2020, 58, 124-128.	0.8	9
42	Analysis of 14 endocannabinoids and endocannabinoid congeners in human plasma using column switching high-performance atmospheric pressure chemical ionization liquid chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3381-3392.	1.9	9
43	The pharmacokinetics of intravenous ketorolac in children aged 2 months to 16 years: A population analysis. <i>Paediatric Anaesthesia</i> , 2018, 28, 80-86.	0.6	8
44	A proteomics-metabolomics approach indicates changes in hypothalamic glutamate-GABA metabolism of adult female rats submitted to intrauterine growth restriction. <i>European Journal of Nutrition</i> , 2019, 58, 3059-3068.	1.8	8
45	Structural identification of SAR43 metabolites generated by human liver microsomes <i>in vitro</i> using mass spectrometry in combination with analysis of fragmentation patterns. <i>Journal of Mass Spectrometry</i> , 2011, 46, 615-624.	0.7	7
46	Physiologic Indirect Response Modeling to Describe Buprenorphine Pharmacodynamics in Newborns Treated for Neonatal Opioid Withdrawal Syndrome. <i>Clinical Pharmacokinetics</i> , 2021, 60, 249-259.	1.6	7
47	Pharmacokinetics of cannabichromene in a medical cannabis product also containing cannabidiol and Î-9-tetrahydrocannabinol: a pilot study. <i>European Journal of Clinical Pharmacology</i> , 2022, 78, 259-265.	0.8	7
48	Disposition of Oral Cannabidiol-Rich Cannabis Extracts in Children with Epilepsy. <i>Clinical Pharmacokinetics</i> , 2020, 59, 1005-1012.	1.6	6
49	Morphine Pharmacokinetics in Children With Down Syndrome Following Cardiac Surgery. <i>Pediatric Critical Care Medicine</i> , 2018, 19, 459-467.	0.2	5
50	Ablation of Cyclophilin D Results in an Activation of FAK, Akt, and ERK Pathways in the Mouse Heart. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2933-2940.	1.2	4
51	A Sensitive LC-MS/MS Assay for the Quantification of Methadone and its Metabolites in Dried Blood Spots: Comparison With Plasma. <i>Therapeutic Drug Monitoring</i> , 2020, 42, 118-128.	1.0	4
52	Intranasal Fentanyl for Breakthrough Pain Control. <i>Clinical Medicine Insights Therapeutics</i> , 2012, 4, CMT.S7298.	0.4	3
53	Validation of the cell line LS180 as a model for study of the gastrointestinal toxicity of mycophenolic acid. <i>Xenobiotica</i> , 2018, 48, 433-441.	0.5	3
54	A simple and easy-to-perform liquid chromatography-mass spectrometry method for the quantification of tacrolimus and its metabolites in human whole blood. Application to the determination of metabolic ratios in kidney transplant patients. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1173, 122698.	1.2	3

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55	Development and validation of an LC-MS/MS assay for the quantification of allopregnanolone and its progesterone-derived isomers, precursors, and cortisol/cortisone in pregnancy. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5427-5438.	1.9	3
56	Evaluation of Clinical and Safety Outcomes Following Uncontrolled Tacrolimus Conversion in Adult Transplant Recipients. <i>Pharmacotherapy</i> , 2019, 39, 564-575.	1.2	2
57	Brief Report: Markers of Spontaneous Preterm Delivery in Women Living With HIV: Relationship With Protease Inhibitors and Vitamin D. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2019, 82, 181-187.	0.9	2
58	Temsirolimus metabolic pathways revisited. <i>Xenobiotica</i> , 2020, 50, 640-653.	0.5	2
59	The novel combination of theophylline and bambuterol as a potential treatment of hypoxemia in humans. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1009-1018.	0.7	1
60	Targeted and global pharmacometabolomics in everolimus-based immunosuppression: association of co-medication and lysophosphatidylcholines with dose requirement. <i>Metabolomics</i> , 2018, 14, 3.	1.4	1
61	POS0383â€¦EFFECTS OF TOFACITINIB THERAPY ON ARGININE AND METHIONINE METABOLITES IN ASSOCIATION WITH VASCULAR PATHOPHYSIOLOGY IN RHEUMATOID ARTHRITIS: A METABOLOMIC APPROACH. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 421.2-422.	0.5	1
62	52 A SINGLE-DOSE PHARMACOKINETIC STUDY OF MYFORTIC (MYCOPHENOLATE SODIUM) IN LIVER TRANSPLANT RECIPIENTS: PRELIMINARY FINDINGS.: TABLE 1. <i>Journal of Investigative Medicine</i> , 2006, 54, S382.2-S382.	0.7	0
63	The New Direct-Acting Oral Anticoagulants Need to be Monitored!. <i>Therapeutic Drug Monitoring</i> , 2020, 42, 357-359.	1.0	0