

Hazem E Hassan

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,061
citations

361413

20
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

1464
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into CYP2B6-mediated drug-drug interactions. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 413-425.	12.0	99
2	Oxycodone induces overexpression of P-glycoprotein (ABCB1) and affects paclitaxel's tissue distribution in Sprague Dawley rats. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 2494-2506.	3.3	92
3	Differential Involvement of P-Glycoprotein (ABCB1) in Permeability, Tissue Distribution, and Antinociceptive Activity of Methadone, Buprenorphine, and Diprenorphine: In Vitro and In Vivo Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4928-4940.	3.3	75
4	Novel LRRK2 GTP-binding inhibitors reduced degeneration in Parkinson's disease cell and mouse models. <i>Human Molecular Genetics</i> , 2014, 23, 6212-6222.	2.9	66
5	Antibody-Drug Conjugates: Pharmacokinetic/Pharmacodynamic Modeling, Preclinical Characterization, Clinical Studies, and Lessons Learned. <i>Clinical Pharmacokinetics</i> , 2018, 57, 687-703.	3.5	63
6	Evaluation of the transport, in vitro metabolism and pharmacokinetics of Salvinorin A, a potent hallucinogen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 471-477.	4.3	50
7	Randomised trial of azithromycin to eradicate <i>Ureaplasma</i> in preterm infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 615-622.	2.8	45
8	Pharmacokinetics, Safety, and Biologic Effects of Azithromycin in Extremely Preterm Infants at Risk for <i>Ureaplasma</i> Colonization and Bronchopulmonary Dysplasia. <i>Journal of Clinical Pharmacology</i> , 2011, 51, 1264-1275.	2.0	43
9	Curcumin and Dimethoxycurcumin Induced Epigenetic Changes in Leukemia Cells. <i>Pharmaceutical Research</i> , 2015, 32, 863-875.	3.5	40
10	Azithromycin To Prevent Bronchopulmonary Dysplasia in <i>Ureaplasma</i> -Infected Preterm Infants: Pharmacokinetics, Safety, Microbial Response, and Clinical Outcomes with a 20-Milligram-per-Kilogram Single Intravenous Dose. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2127-2133.	3.2	38
11	A fully validated LC-MS/MS method for simultaneous determination of nicotine and its metabolite cotinine in human serum and its application to a pharmacokinetic study after using nicotine transdermal delivery systems with standard heat application in adult smokers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1020, 67-77.	2.3	32
12	In vitro-in vivo correlations for nicotine transdermal delivery systems evaluated by both in vitro skin permeation (IVPT) and in vivo serum pharmacokinetics under the influence of transient heat application. <i>Journal of Controlled Release</i> , 2018, 270, 76-88.	9.9	32
13	Opioids and Efflux Transporters. Part 2: P-Glycoprotein Substrate Activity of 3- and 6-Substituted Morphine Analogs. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2316-2320.	6.4	31
14	Pharmacokinetics, Microbial Response, and Pulmonary Outcomes of Multidose Intravenous Azithromycin in Preterm Infants at Risk for <i>Ureaplasma</i> Respiratory Colonization. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 570-578.	3.2	31
15	Regulation of Gene Expression in Brain Tissues of Rats Repeatedly Treated by the Highly Abused Opioid Agonist, Oxycodone: Microarray Profiling and Gene Mapping Analysis. <i>Drug Metabolism and Disposition</i> , 2010, 38, 157-167.	3.3	30
16	Evaluation of the P-glycoprotein (Abcb1) affinity status of a series of morphine analogs: Comparative study with meperidine analogs to identify opioids with minimal P-glycoprotein interactions. <i>International Journal of Pharmaceutics</i> , 2009, 375, 48-54.	5.2	24
17	In vitro characterization of transport and metabolism of the alkaloids: vincamine, vinpocetine and eburnamonine. <i>Cancer Chemotherapy and Pharmacology</i> , 2016, 77, 259-267.	2.3	24
18	Pharmacokinetics and Safety Assessment of Δ^9 -Tetrahydropalmatine in Cocaine Users: A Randomized, Double-Blind, Placebo-Controlled Study. <i>Journal of Clinical Pharmacology</i> , 2017, 57, 151-160.	2.0	23

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19	On the Road to Development of an in Vitro Permeation Test (IVPT) Model to Compare Heat Effects on Transdermal Delivery Systems: Exploratory Studies with Nicotine and Fentanyl. <i>Pharmaceutical Research</i> , 2017, 34, 1817-1830.	3.5	22
20	Characterization of the Transport, Metabolism, and Pharmacokinetics of the Dopamine D3 Receptor-Selective Fluorenyl- and 2-Pyridylphenyl Amides Developed for Treatment of Psychostimulant Abuse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 854-864.	2.5	21
21	Opioids and efflux transporters. Part 1: P-Glycoprotein substrate activity of N-substituted analogs of meperidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1160-1162.	2.2	17
22	Activation of the Constitutive Androstane Receptor Increases the Therapeutic Index of CHOP in Lymphoma Treatment. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 392-401.	4.1	17
23	Simultaneous determination of l-tetrahydropalmatine and cocaine in human plasma by simple UPLC-FLD method: Application in clinical studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 39-44.	2.3	16
24	Differential Activation of Pregnane X Receptor and Constitutive Androstane Receptor by Buprenorphine in Primary Human Hepatocytes and HepG2 Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 335, 562-571.	2.5	15
25	Development and validation of a high performance liquid chromatography quantification method of (<i>levo</i>-)<i>â€¢tetrahydropalmatine and its metabolites in plasma and brain tissues: application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2017, 31, e3850.	1.7	15
26	Transporter-Mediated Disposition of Opioids: Implications for Clinical Drug Interactions. <i>Pharmaceutical Research</i> , 2015, 32, 2477-502.	3.5	14
27	Opioids and efflux transporters. Part 4: Influence of N-substitution on P-glycoprotein substrate activity of noroxymorphone analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3592-3595.	2.2	10
28	The combination of dimethoxycurcumin with DNA methylation inhibitor enhances gene re-expression of promoter-methylated genes and antagonizes their cytotoxic effect. <i>Epigenetics</i> , 2016, 11, 740-749.	2.7	10
29	The Sensitivity of In Vitro Permeation Tests to Chemical Penetration Enhancer Concentration Changes in Fentanyl Transdermal Delivery Systems. <i>AAPS PharmSciTech</i> , 2018, 19, 2778-2786.	3.3	10
30	Dosage Regimens for Meropenem in Children with Pseudomonas Infections Do Not Meet Serum Concentration Targets. <i>Clinical and Translational Science</i> , 2020, 13, 301-308.	3.1	9
31	Evaluation of in vitro/in vivo correlations for three fentanyl transdermal delivery systems using in vitro skin permeation testing and human pharmacokinetic studies under the influence of transient heat application. <i>Journal of Controlled Release</i> , 2022, 342, 134-147.	9.9	9
32	Induction of Xenobiotic Receptors, Transporters, and Drug Metabolizing Enzymes by Oxycodone. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1060-1069.	3.3	7
33	Repeated administration of oxycodone modifies the gene expression of several drug metabolising enzymes in the hepatic tissue of male Sprague-Dawley rats, including glutathione S-transferase A-5 (rGSTA5) and CYP3A2. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 189-196.	2.4	6
34	LC-MS determination of fentanyl in human serum and application to a fentanyl transdermal delivery pharmacokinetic study. <i>Bioanalysis</i> , 2017, 9, 1551-1560.	1.5	6
35	Effect of Controlled Heat Application on Topical Diclofenac Formulations Evaluated by In Vitro Permeation Tests (IVPT) Using Porcine and Human Skin. <i>Pharmaceutical Research</i> , 2020, 37, 49.	3.5	6
36	Norelgestromin/ethinyl estradiol intravenous infusion formulation optimization, stability and compatibility testing: A case study to overcome polysorbate 80 interference in chromatographic analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 125, 145-153.	2.8	5

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37	Precise simultaneous quantification of methadone and cocaine in rat serum and brain tissue samples following their successive i.p. administration. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1048, 19-29.	2.3	5
38	15-Methylene-Eburnamonine Kills Leukemic Stem Cells and Reduces Engraftment in a Humanized Bone Marrow Xenograft Mouse Model of Leukemia. <i>ChemMedChem</i> , 2016, 11, 2392-2397.	3.2	3
39	Validated UHPLC-MS/MS method for quantification of doxycycline in abdominal aortic aneurysm patients. <i>Bioanalysis</i> , 2018, 10, 527-539.	1.5	0
40	Genomics and Drug Transporters and Application in Drug Discovery, Delivery, and Development. , 2018, , 133-175.		0
41	Evaluation of Publicly Available Information on Sex-Related Differences in the Efficacy and Safety of Newly Approved Medications. <i>Journal of General Internal Medicine</i> , 2022, , 1.	2.6	0
42	Investigator Impact on Reproducibility of Drug Bioavailability in Stratum Corneum Sampling by Tape Stripping. <i>Pharmaceutical Research</i> , 2022, 39, 703.	3.5	0