

Joana Bicker

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

905
citations

623734

14
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

1481
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood–brain barrier models and their relevance for a successful development of CNS drug delivery systems: A review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 409-432.	4.3	222
2	Liquid chromatographic methods for the quantification of catecholamines and their metabolites in several biological samples—A review. <i>Analytica Chimica Acta</i> , 2013, 768, 12-34.	5.4	149
3	ABC transporters in drug-resistant epilepsy: mechanisms of upregulation and therapeutic approaches. <i>Pharmacological Research</i> , 2019, 144, 357-376.	7.1	49
4	Timing in drug absorption and disposition: The past, present, and future of chronopharmacokinetics. <i>British Journal of Pharmacology</i> , 2020, 177, 2215-2239.	5.4	46
5	A new PAMPA model using an in-house brain lipid extract for screening the blood–brain barrier permeability of drug candidates. <i>International Journal of Pharmaceutics</i> , 2016, 501, 102-111.	5.2	41
6	Development, validation and application of a new HPLC-DAD method for simultaneous quantification of apixaban, dabigatran, edoxaban and rivaroxaban in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113109.	2.8	41
7	Nose-to-brain delivery of levetiracetam after intranasal administration to mice. <i>International Journal of Pharmaceutics</i> , 2019, 564, 329-339.	5.2	40
8	QbD-driven development of intranasal lipid nanoparticles for depression treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 153, 106-120.	4.3	29
9	Targeting brain Renin-Angiotensin System for the prevention and treatment of Alzheimer’s disease: Past, present and future. <i>Ageing Research Reviews</i> , 2022, 77, 101612.	10.9	26
10	Liquid chromatographic methods for the determination of direct oral anticoagulant drugs in biological samples: A critical review. <i>Analytica Chimica Acta</i> , 2019, 1076, 18-31.	5.4	24
11	Antidepressants and nose-to-brain delivery: drivers, restraints, opportunities and challenges. <i>Drug Discovery Today</i> , 2019, 24, 1911-1923.	6.4	23
12	Elucidation of the Impact of P-glycoprotein and Breast Cancer Resistance Protein on the Brain Distribution of Catechol-O-Methyltransferase Inhibitors. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1282-1291.	3.3	19
13	Pharmacology of lacosamide: From its molecular mechanisms and pharmacokinetics to future therapeutic applications. <i>Life Sciences</i> , 2021, 275, 119342.	4.3	18
14	Development and full validation of an innovative HPLC-diode array detection technique to simultaneously quantify lacosamide, levetiracetam and zonisamide in human plasma. <i>Bioanalysis</i> , 2018, 10, 541-557.	1.5	17
15	Nose-to-brain Delivery of Natural Compounds for the Treatment of Central Nervous System Disorders. <i>Current Pharmaceutical Design</i> , 2020, 26, 594-619.	1.9	17
16	A chiral HPLC–UV method for the quantification of dibenz[b,f]azepine–5-carboxamide derivatives in mouse plasma and brain tissue: Eslicarbazepine acetate, carbamazepine and main metabolites. <i>Journal of Separation Science</i> , 2011, 34, 1391-1401.	2.5	15
17	A combo-strategy to improve brain delivery of antiepileptic drugs: Focus on BCRP and intranasal administration. <i>International Journal of Pharmaceutics</i> , 2021, 593, 120161.	5.2	15
18	Pre-Clinical Assessment of the Nose-to-Brain Delivery of Zonisamide After Intranasal Administration. <i>Pharmaceutical Research</i> , 2020, 37, 74.	3.5	13

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19	Anti-PD-1 immunotherapy in advanced metastatic melanoma: State of the art and future challenges. <i>Life Sciences</i> , 2020, 240, 117093.	4.3	12
20	Cystic fibrosis: Physiopathology and the latest pharmacological treatments. <i>Pharmacological Research</i> , 2020, 162, 105267.	7.1	12
21	Antidepressants and Circadian Rhythm: Exploring Their Bidirectional Interaction for the Treatment of Depression. <i>Pharmaceutics</i> , 2021, 13, 1975.	4.5	12
22	Development and application of an HPLC-DAD technique for human plasma concentration monitoring of perampanel and lamotrigine in drug-resistant epileptic patients. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1162, 122491.	2.3	10
23	Screening of pharmacokinetic properties of fifty dihydropyrimidin(thi)one derivatives using a combo of in vitro and in silico assays. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 334-346.	4.0	9
24	In vitro assessment of the interactions of dopamine β -hydroxylase inhibitors with human P-glycoprotein and Breast Cancer Resistance Protein. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 35-40.	4.0	9
25	Is intranasal administration an opportunity for direct brain delivery of lacosamide?. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105632.	4.0	9
26	Encapsulated Escitalopram and Paroxetine Intranasal Co-Administration: In Vitro/In Vivo Evaluation. <i>Frontiers in Pharmacology</i> , 2021, 12, 751321.	3.5	8
27	HPLC method for the determination of antiepileptic drugs in human saliva and its application in therapeutic drug monitoring. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 197, 113961.	2.8	7
28	Relevance of Breast Cancer Resistance Protein to Brain Distribution and Central Acting Drugs: A Pharmacokinetic Perspective. <i>Current Drug Metabolism</i> , 2018, 19, 1021-1041.	1.2	7
29	Repairing blood-CNS barriers: Future therapeutic approaches for neuropsychiatric disorders. <i>Pharmacological Research</i> , 2020, 162, 105226.	7.1	3
30	Pharmacokinetic Monitoring of Levetiracetam in Portuguese Refractory Epileptic Patients: Effect of Gender, Weight and Concomitant Therapy. <i>Pharmaceutics</i> , 2020, 12, 943.	4.5	3
31	Novel Routes to Accessing the Brain: Intranasal Administration. , 2021, , 39-72.		0