

Ana Fortuna

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

2,016
citations

25
h-index

42
g-index

100
ext. papers

2,493
ext. citations

4.6
avg, IF

5.2
L-index

#	Paper	IF	Citations
93	Deciphering specific miRNAs in brain tumors: a 5-miRNA signature in glioblastoma.. <i>Molecular Genetics and Genomics</i> , 2022 , 297, 507	3.1	1
92	Targeting Brain Renin-Angiotensin System for the prevention and treatment of Alzheimer's disease: past, present and future.. <i>Ageing Research Reviews</i> , 2022 , 101612	12	3
91	Study of the metabolic stability profiles of perampanel, rufinamide and stiripentol and prediction of drug interactions using HepaRG cells as an in vitro human model. <i>Toxicology in Vitro</i> , 2022 , 82, 105389	3.6	1
90	Intranasal delivery of lipid-based nanosystems as a promising approach for brain targeting of the new-generation antiepileptic drug perampanel. <i>International Journal of Pharmaceutics</i> , 2022 , 622, 121853	6.5	0
89	Silymarin as a flavonoid-type P-glycoprotein inhibitor with impact on the pharmacokinetics of carbamazepine, oxcarbazepine and phenytoin in rats. <i>Drug and Chemical Toxicology</i> , 2021 , 44, 458-469	2.3	6
88	Encapsulated Escitalopram and Paroxetine Intranasal Co-Administration: Evaluation.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 751321	5.6	3
87	Establishing Orthotopic Xenograft Glioblastoma Models for Use in Preclinical Development. <i>Neuromethods</i> , 2021 , 281-296	0.4	
86	Liquid chromatographic methods for determination of the new antiepileptic drugs stiripentol, retigabine, rufinamide and perampanel: A comprehensive and critical review. <i>Journal of Pharmaceutical Analysis</i> , 2021 , 11, 405-421	14	4
85	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	3.5	3
84	Pharmacology of lacosamide: From its molecular mechanisms and pharmacokinetics to future therapeutic applications. <i>Life Sciences</i> , 2021 , 275, 119342	6.8	2
83	Expediting Disulfiram Assays through a Systematic Analytical Quality by Design Approach. <i>Chemosensors</i> , 2021 , 9, 172	4	0
82	Is intranasal administration an opportunity for direct brain delivery of lacosamide?. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 157, 105632	5.1	1
81	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	6.5	3
80	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	3.2	2
79	Novel Routes to Accessing the Brain: Intranasal Administration 2021 , 39-72		
78	The essential oil from the fruits of <i>Peucedanum oreoselinum</i> (L.) Moench (Apiaceae) as a natural source of P-glycoprotein inhibitors. <i>Journal of Herbal Medicine</i> , 2021 , 29, 100482	2.3	0
77	Understanding Brain Delivery 2021 , 9-38		

76	QbD-driven development of intranasal lipid nanoparticles for depression treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 153, 106-120	5.7	9
75	Pre-Clinical Assessment of the Nose-to-Brain Delivery of Zonisamide After Intranasal Administration. <i>Pharmaceutical Research</i> , 2020 , 37, 74	4.5	7
74	Timing in drug absorption and disposition: The past, present, and future of chronopharmacokinetics. <i>British Journal of Pharmacology</i> , 2020 , 177, 2215-2239	8.6	26
73	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	3.5	11
72	Improving the drug-likeness of inspiring natural products - evaluation of the antiparasitic activity against <i>Trypanosoma cruzi</i> through semi-synthetic and simplified analogues of licarin A. <i>Scientific Reports</i> , 2020 , 10, 5467	4.9	12
71	Real-world clinical characterization of subjects with depression treated with antidepressant drugs focused on (non-)genetic factors, pharmacokinetics, and clinical outcomes: GnG-PK/PD-AD study. <i>Experimental and Clinical Psychopharmacology</i> , 2020 , 28, 202-215	3.2	0
70	Pharmacogenetics and therapeutic drug monitoring of fluoxetine in a real-world setting: A PK/PD analysis of the influence of (non-)genetic factors. <i>Experimental and Clinical Psychopharmacology</i> , 2020 , 28, 589-600	3.2	1
69	Nose-to-brain Delivery of Natural Compounds for the Treatment of Central Nervous System Disorders. <i>Current Pharmaceutical Design</i> , 2020 , 26, 594-619	3.3	5
68	Impact of direct oral anticoagulant off-label doses on clinical outcomes of atrial fibrillation patients: A systematic review. <i>British Journal of Clinical Pharmacology</i> , 2020 , 86, 533-547	3.8	33
67	Repairing blood-CNS barriers: Future therapeutic approaches for neuropsychiatric disorders. <i>Pharmacological Research</i> , 2020 , 162, 105226	10.2	2
66	Pharmacokinetic Monitoring of Levetiracetam in Portuguese Refractory Epileptic Patients: Effect of Gender, Weight and Concomitant Therapy. <i>Pharmaceutics</i> , 2020 , 12,	6.4	2
65	Peptide-lipid nanoconstructs act site-specifically towards glioblastoma growth impairment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 155, 177-189	5.7	5
64	Salting-out assisted liquid-liquid extraction method optimized by design of experiments for the simultaneous high-performance liquid chromatography analysis of perampanel and stiripentol in mouse matrices. <i>Journal of Separation Science</i> , 2020 , 43, 4289-4304	3.4	4
63	Nanotechnological approaches in cancer: the role of celecoxib and disulfiram 2020 , 353-393		1
62	Cystic fibrosis: Physiopathology and the latest pharmacological treatments. <i>Pharmacological Research</i> , 2020 , 162, 105267	10.2	5
61	Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndrome-Review of Classical and New Compounds: Part-I. <i>Pharmaceutics</i> , 2019 , 12,	5.2	49
60	Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndrome-Strategies for In Vivo Administration: Part-II. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	28
59	First-time oral administration of resveratrol-loaded layer-by-layer nanoparticles to rats - a pharmacokinetics study. <i>Analyst, The</i> , 2019 , 144, 2062-2079	5	17

58	Development and full validation of an HPLC methodology to quantify atorvastatin and curcumin after their intranasal co-delivery to mice. <i>Biomedical Chromatography</i> , 2019 , 33, e4621	1.7	7
57	Antidepressants and nose-to-brain delivery: drivers, restraints, opportunities and challenges. <i>Drug Discovery Today</i> , 2019 , 24, 1911-1923	8.8	12
56	Nose-to-brain delivery of levetiracetam after intranasal administration to mice. <i>International Journal of Pharmaceutics</i> , 2019 , 564, 329-339	6.5	21
55	ABC transporters in drug-resistant epilepsy: mechanisms of upregulation and therapeutic approaches. <i>Pharmacological Research</i> , 2019 , 144, 357-376	10.2	25
54	Microextraction Techniques in LC-MS Bioanalysis 2019 , 98-116		2
53	Comparison of ELISA and HPLC-MS methods for the determination of exenatide in biological and biotechnology-based formulation matrices. <i>Journal of Pharmaceutical Analysis</i> , 2019 , 9, 143-155	14	14
52	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	6.6	14
51	Novel bioanalytical method for the quantification of rufinamide in mouse plasma and tissues using HPLC-UV: A tool to support pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1124, 340-348	3.2	9
50	Rethinking carbamazepine oral delivery using polymer-lipid hybrid nanoparticles. <i>International Journal of Pharmaceutics</i> , 2019 , 554, 352-365	6.5	31
49	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	5.1	4
48	Development and validation of an HPLC-FLD technique for colistin quantification and its plasma monitoring in hospitalized patients. <i>Analytical Methods</i> , 2018 , 10, 389-396	3.2	6
47	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	2.1	15
46	Flavonoid compounds as reversing agents of the P-glycoprotein-mediated multidrug resistance: An in vitro evaluation with focus on antiepileptic drugs. <i>Food Research International</i> , 2018 , 103, 110-120	7	19
45	In vitro and in vivo experimental models employed in the discovery and development of antiepileptic drugs for pharmacoresistant epilepsy. <i>Epilepsy Research</i> , 2018 , 146, 63-86	3	21
44	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	3.5	5
43	Determination of catecholamines and endogenous related compounds in rat brain tissue exploring their native fluorescence and liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1049-1050, 51-59	3.2	12
42	Pharmacokinetics of opicapone, a third-generation COMT inhibitor, after single and multiple oral administration: A comparative study in the rat. <i>Toxicology and Applied Pharmacology</i> , 2017 , 323, 9-15	4.6	3
41	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	5.1	5

40	Elucidation of the Impact of P-glycoprotein and Breast Cancer Resistance Protein on the Brain Distribution of Catechol--Methyltransferase Inhibitors. <i>Drug Metabolism and Disposition</i> , 2017 , 45, 1282-1291	4.291	13
39	A single- and multiple-dose study to investigate the pharmacokinetics and pharmacodynamics of opicapone, a novel COMT inhibitor, in rat. <i>Neuropharmacology</i> , 2017 , 125, 146-155	5.5	5
38	Intranasal Delivery of Topically-Acting Levofloxacin to Rats: a Proof-of-Concept Pharmacokinetic Study. <i>Pharmaceutical Research</i> , 2017 , 34, 2260-2269	4.5	3
37	Intranasal delivery of ciprofloxacin to rats: A topical approach using a thermoreversible in situ gel. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 97, 30-37	5.1	13
36	Pharmacokinetics of Cymbopogon Citratus Infusion in Rats after Single Oral Dose Administration. <i>SOJ Pharmacy & Pharmaceutical Sciences</i> , 2017 , 4, 1-9		2
35	Huperzine A from <i>Huperzia serrata</i> : a review of its sources, chemistry, pharmacology and toxicology. <i>Phytochemistry Reviews</i> , 2016 , 15, 51-85	7.7	51
34	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, 102-11	6.5	28
33	Drug-metabolizing Enzymes and Efflux Transporters in Nasal Epithelium: Influence on the Bioavailability of Intranasally Administered Drugs. <i>Current Drug Metabolism</i> , 2016 , 17, 628-47	3.5	25
32	P-glycoprotein Mediated Efflux Modulators of Plant Origin: A Short Review. <i>Natural Product Communications</i> , 2016 , 11, 1934578X1601100	0.9	5
31	Development of a liquid chromatography assay for the determination of opicapone and BIA 9-1079 in rat matrices. <i>Biomedical Chromatography</i> , 2016 , 30, 312-22	1.7	6
30	Direct nose-to-brain delivery of lamotrigine following intranasal administration to mice. <i>International Journal of Pharmaceutics</i> , 2015 , 490, 39-46	6.5	42
29	Flavonoid compounds as reversal agents of the P-glycoprotein-mediated multidrug resistance: biology, chemistry and pharmacology. <i>Phytochemistry Reviews</i> , 2015 , 14, 233-272	7.7	31
28	2.1 Pharmacokinetics and Bioanalysis to Improve Drug Development 2015 , 62-118		
27	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, 409-32	5.7	171
26	Intranasal delivery of systemic-acting drugs: small-molecules and biomacromolecules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 8-27	5.7	95
25	Intranasal administration of carbamazepine to mice: a direct delivery pathway for brain targeting. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 60, 32-9	5.1	60
24	Liquid chromatographic assay based on microextraction by packed sorbent for therapeutic drug monitoring of carbamazepine, lamotrigine, oxcarbazepine, phenobarbital, phenytoin and the active metabolites carbamazepine-10,11-epoxide and licarbazepine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 971, 20-9	3.2	41
23	Herb-drug pharmacokinetic interaction between carica papaya extract and amiodarone in rats. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2014 , 17, 302-15	3.4	7

22	Chiral chromatographic resolution of antiepileptic drugs and their metabolites: a challenge from the optimization to the application. <i>Biomedical Chromatography</i> , 2014 , 28, 27-58	1.7	29
21	Third and fourth generation fluoroquinolone antibacterials: a systematic review of safety and toxicity profiles. <i>Current Drug Safety</i> , 2014 , 9, 89-105	1.4	37
20	First liquid chromatography method for the simultaneous determination of levofloxacin, pazufloxacin, gatifloxacin, moxifloxacin and trovafloxacin in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 930, 104-11	3.2	26
19	Pharmacokinetics, brain distribution and plasma protein binding of carbamazepine and nine derivatives: new set of data for predictive in silico ADME models. <i>Epilepsy Research</i> , 2013 , 107, 37-50	3	28
18	Nose as a Route for Drug Delivery 2013 , 191-215		2
17	First HPLC-UV method for rapid and simultaneous quantification of phenobarbital, primidone, phenytoin, carbamazepine, carbamazepine-10,11-epoxide, 10,11-trans-dihydroxy-10,11-dihydrocarbamazepine, lamotrigine, oxcarbazepine and licarbazepine in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013 , 930, 104-11	3.2	55
16	An HPLC-DAD method for the simultaneous quantification of opicapone (BIA 9-1067) and its active metabolite in human plasma. <i>Analyst, The</i> , 2013 , 138, 2463-9	5	8
15	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	6.6	127
14	A critical review of microextraction by packed sorbent as a sample preparation approach in drug bioanalysis. <i>Bioanalysis</i> , 2013 , 5, 1409-42	2.1	40
13	Evaluation of the permeability and P-glycoprotein efflux of carbamazepine and several derivatives across mouse small intestine by the Ussing chamber technique. <i>Epilepsia</i> , 2012 , 53, 529-38	6.4	35
12	Optimization of a parallel artificial membrane permeability assay for the fast and simultaneous prediction of human intestinal absorption and plasma protein binding of drug candidates: application to dibenz[b,f]azepine-5-carboxamide derivatives. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 530-40	3.9	25
11	Analytical methods for determination of new fluoroquinolones in biological matrices and pharmaceutical formulations by liquid chromatography: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 93-129	4.4	62
10	A chiral liquid chromatography method for the simultaneous determination of oxcarbazepine, eslicarbazepine, R-licarbazepine and other new chemical derivatives BIA 2-024, BIA 2-059 and BIA 2-265, in mouse plasma and brain. <i>Biomedical Chromatography</i> , 2012 , 26, 384-92	1.7	12
9	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, 1391-401	3.4	14
8	Development and validation of a fast isocratic liquid chromatography method for the simultaneous determination of norfloxacin, lomefloxacin and ciprofloxacin in human plasma. <i>Biomedical Chromatography</i> , 2011 , 25, 535-41	1.7	17
7	In vitro and In vivo Relevance of the P-glycoprotein Probe Substrates in Drug Discovery and Development: Focus on Rhodamine 123, Digoxin and Talinolol. <i>Journal of Bioequivalence & Bioavailability</i> , 2011 , 01,	1.5	14
6	In Vitro?In Vivo Correlation (IVIVC): A Strategic Tool in Drug Development. <i>Journal of Bioequivalence & Bioavailability</i> , 2011 , 8,	1.5	4
5	Enantioselective assay for therapeutic drug monitoring of eslicarbazepine acetate: no interference with carbamazepine and its metabolites. <i>Therapeutic Drug Monitoring</i> , 2010 , 32, 512-6	3.2	9

4	Development and validation of an HPLC-UV method for the simultaneous quantification of carbamazepine, oxcarbazepine, eslicarbazepine acetate and their main metabolites in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1605-15	4.4	45
3	Binding of licarbazepine enantiomers to mouse and human plasma proteins. <i>Biopharmaceutics and Drug Disposition</i> , 2010 , 31, 362-6	1.7	10
2	Intranasal drug delivery: how, why and what for?. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2009 , 12, 288-311	3.4	313
1	Enantioselective HPLC-UV method for determination of eslicarbazepine acetate (BIA 2-093) and its metabolites in human plasma. <i>Biomedical Chromatography</i> , 2007 , 21, 1127-34	1.7	29