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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.

101 papers	3,005 citations	34 h-index	51 g-index
110 ext. papers	3,385 ext. citations	4.8 avg, IF	5.41 L-index

#	Paper	IF	Citations
101	Olive-oil-derived oleocanthal enhances β -amyloid clearance as a potential neuroprotective mechanism against Alzheimer's disease: in vitro and in vivo studies. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 973-82	5.7	179
100	Paclitaxel loaded PEG(5000)-DSPE micelles as pulmonary delivery platform: formulation characterization, tissue distribution, plasma pharmacokinetics, and toxicological evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 276-84	5.7	130
99	Enhanced brain amyloid- β clearance by rifampicin and caffeine as a possible protective mechanism against Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 151-65	4.3	113
98	Profiling gene expression in human placentae of different gestational ages: an OPRU Network and UW SCOR Study. <i>Reproductive Sciences</i> , 2008 , 15, 866-77	3	104
97	Oleocanthal enhances amyloid- β clearance from the brains of TgSwDI mice and in vitro across a human blood-brain barrier model. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 1849-59	5.7	101
96	Role of ABC transporters in the pathogenesis of Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 820-31	5.7	94
95	Nilotinib potentiates anticancer drug sensitivity in murine ABCB1-, ABCG2-, and ABCC10-multidrug resistance xenograft models. <i>Cancer Letters</i> , 2013 , 328, 307-17	9.9	92
94	Differences in amyloid- β clearance across mouse and human blood-brain barrier models: kinetic analysis and mechanistic modeling. <i>Neuropharmacology</i> , 2014 , 79, 668-78	5.5	83
93	Mixed micelles of PEG(2000)-DSPE and vitamin-E TPGS for concurrent delivery of paclitaxel and parthenolide: enhanced chemosensitization and antitumor efficacy against non-small cell lung cancer (NSCLC) cell lines. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 46, 64-71	5.1	83
92	Extra-virgin olive oil attenuates amyloid- β and tau pathologies in the brains of TgSwDI mice. <i>Journal of Nutritional Biochemistry</i> , 2015 , 26, 1479-90	6.3	60
91	PEG-lipid micelles as drug carriers: physiochemical attributes, formulation principles and biological implication. <i>Journal of Drug Targeting</i> , 2015 , 23, 222-31	5.4	59
90	Enhancement of intestinal permeability utilizing solid lipid nanoparticles increases β -ocotrienol oral bioavailability. <i>Lipids</i> , 2012 , 47, 461-9	1.6	59
89	Up-regulation of P-glycoprotein reduces intracellular accumulation of beta amyloid: investigation of P-glycoprotein as a novel therapeutic target for Alzheimer's disease. <i>Journal of Pharmacy and Pharmacology</i> , 2011 , 63, 1111-8	4.8	59
88	Experimental models for predicting drug absorption and metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013 , 9, 1241-54	5.5	53
87	Discovery of novel GSK-3 β inhibitors with potent in vitro and in vivo activities and excellent brain permeability using combined ligand- and structure-based virtual screening. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 8534-45	8.3	53
86	Cellular uptake, antioxidant and antiproliferative activity of entrapped β -tocopherol and β -ocotrienol in poly (lactic-co-glycolic) acid (PLGA) and chitosan covered PLGA nanoparticles (PLGA-Chi). <i>Journal of Colloid and Interface Science</i> , 2015 , 445, 243-251	9.3	51
85	Inhibition of P-glycoprotein activity at the primate blood-brain barrier increases the distribution of nelfinavir into the brain but not into the cerebrospinal fluid. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 1459-62	4	49

84	Intestinal absorption of gamma-tocotrienol is mediated by Niemann-Pick C1-like 1: in situ rat intestinal perfusion studies. <i>Drug Metabolism and Disposition</i> , 2010 , 38, 939-45	4	48
83	Amyloid- β and Astrocytes Interplay in Amyloid- β Related Disorders. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 338	6.3	47
82	Crocus sativus Extract Tightens the Blood-Brain Barrier, Reduces Amyloid β Load and Related Toxicity in 5XFAD Mice. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1756-1766	5.7	44
81	Simultaneous PET imaging of P-glycoprotein inhibition in multiple tissues in the pregnant nonhuman primate. <i>Journal of Nuclear Medicine</i> , 2009 , 50, 798-806	8.9	44
80	In silico modeling for the nonlinear absorption kinetics of UK-343,664: a P-gp and CYP3A4 substrate. <i>Molecular Pharmaceutics</i> , 2012 , 9, 492-504	5.6	43
79	Alborexin clears amyloid- β by inducing autophagy through PTEN-mediated inhibition of the AKT pathway. <i>Autophagy</i> , 2019 , 15, 1810-1828	10.2	42
78	The marine natural-derived inhibitors of glycogen synthase kinase-3 β phenylmethylenedihydantoin: In vitro and in vivo activities and pharmacophore modeling. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 6032-9	3.4	41
77	Oleocanthal-rich extra-virgin olive oil enhances donepezil effect by reducing amyloid- β load and related toxicity in a mouse model of Alzheimer's disease. <i>Journal of Nutritional Biochemistry</i> , 2018 , 55, 113-123	6.3	40
76	Role of P-glycoprotein in mediating rivastigmine effect on amyloid- β brain load and related pathology in Alzheimer's disease mouse model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 778-787	6.9	40
75	Oleocanthal ameliorates amyloid- β oligomers toxicity on astrocytes and neuronal cells: In vitro studies. <i>Neuroscience</i> , 2017 , 352, 204-215	3.9	39
74	Regorafenib overcomes chemotherapeutic multidrug resistance mediated by ABCB1 transporter in colorectal cancer: In vitro and in vivo study. <i>Cancer Letters</i> , 2017 , 396, 145-154	9.9	39
73	Determination of methamphetamine and amphetamine in abusers' plasma and hair samples with HPLC-FL. <i>Biomedical Chromatography</i> , 2003 , 17, 471-6	1.7	39
72	Mixed oligomers and monomeric amyloid- β disrupts endothelial cells integrity and reduces monomeric amyloid- β transport across hCMEC/D3 cell line as an in vitro blood-brain barrier model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1806-15	6.9	36
71	Comparison of the intestinal absorption and bioavailability of β -tocotrienol and β -tocopherol: in vitro, in situ and in vivo studies. <i>Biopharmaceutics and Drug Disposition</i> , 2012 , 33, 246-56	1.7	36
70	The value of tocotrienols in the prevention and treatment of cancer. <i>Journal of the American College of Nutrition</i> , 2010 , 29, 324S-333S	3.5	36
69	Sesamin synergistically potentiates the anticancer effects of β -tocotrienol in mammary cancer cell lines. <i>Phytotherapy</i> , 2013 , 84, 347-59	3.2	35
68	Masitinib antagonizes ATP-binding cassette subfamily C member 10-mediated paclitaxel resistance: a preclinical study. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 714-23	6.1	35
67	Enhanced solubility and oral bioavailability of β -tocotrienol using a self-emulsifying drug delivery system (SEDDS). <i>Lipids</i> , 2014 , 49, 819-29	1.6	32

66	Epidermal growth factor receptor (EGFR) inhibitor PD153035 reverses ABCG2-mediated multidrug resistance in non-small cell lung cancer: In vitro and in vivo. <i>Cancer Letters</i> , 2018 , 424, 19-29	9.9	31
65	High-Throughput Screening for Identification of Blood-Brain Barrier Integrity Enhancers: A Drug Repurposing Opportunity to Rectify Vascular Amyloid Toxicity. <i>Journal of Alzheimer's Disease</i> , 2016 , 53, 1499-516	4.3	31
64	Age-Related Decline in Brain and Hepatic Clearance of Amyloid-Beta is Rectified by the Cholinesterase Inhibitors Donepezil and Rivastigmine in Rats. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 725-36	5.7	30
63	Positron emission tomography imaging of tissue P-glycoprotein activity during pregnancy in the non-human primate. <i>British Journal of Pharmacology</i> , 2010 , 159, 394-404	8.6	30
62	Nonlinear absorption kinetics of self-emulsifying drug delivery systems (SEDDS) containing tocotrienols as lipophilic molecules: in vivo and in vitro studies. <i>AAPS Journal</i> , 2013 , 15, 684-95	3.7	29
61	Effect of PEG surface conformation on anticancer activity and blood circulation of nanoemulsions loaded with tocotrienol-rich fraction of palm oil. <i>AAPS Journal</i> , 2013 , 15, 1168-79	3.7	28
60	Redox-silent tocotrienol esters as breast cancer proliferation and migration inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 8066-75	3.4	26
59	Fluorometric determination of DL-fenfluramine, DL-norfenfluramine and phentermine in plasma by achiral and chiral high-performance liquid chromatography. <i>Biomedical Applications</i> , 2001 , 763, 79-90		26
58	The small molecule tyrosine kinase inhibitor NVP-BHG712 antagonizes ABCC10-mediated paclitaxel resistance: a preclinical and pharmacokinetic study. <i>Oncotarget</i> , 2015 , 6, 510-21	3.3	26
57	High-performance liquid chromatography with fluorescence detection for the simultaneous determination of 3,4-methylenedioxymethamphetamine, methamphetamine and their metabolites in human hair using DIB-Cl as a label. <i>Biomedical Chromatography</i> , 2004 , 18, 202-4	1.7	25
56	Induction of expression and functional activity of P-glycoprotein efflux transporter by bioactive plant natural products. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2765-72	4.7	24
55	Hair analysis for fenfluramine and norfenfluramine as biomarkers for N-nitrosafenfluramine ingestion. <i>Forensic Science International</i> , 2004 , 146, 39-46	2.6	24
54	Oleocanthal-Rich Extra-Virgin Olive Oil Restores the Blood-Brain Barrier Function through NLRP3 Inflammasome Inhibition Simultaneously with Autophagy Induction in TgSwDI Mice. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3543-3554	5.7	23
53	Development of Physiologically Based Pharmacokinetic/Pharmacodynamic Model for Indomethacin Disposition in Pregnancy. <i>PLoS ONE</i> , 2015 , 10, e0139762	3.7	23
52	Novel liquid-liquid extraction and self-emulsion methods for simplified isolation of extra-virgin olive oil phenolics with emphasis on (-)-oleocanthal and its oral anti-breast cancer activity. <i>PLoS ONE</i> , 2019 , 14, e0214798	3.7	22
51	PEGylated Tocotrienol isomer of vitamin E: Synthesis, characterization, in vitro cytotoxicity, and oral bioavailability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 96, 185-95	5.7	22
50	Liquid chromatography studies on the pharmacokinetics of phentermine and fenfluramine in brain and blood microdialysates after intraperitoneal administration to rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 791, 291-303	3.2	22
49	Regorafenib antagonizes BCRP-mediated multidrug resistance in colon cancer. <i>Cancer Letters</i> , 2019 , 442, 104-112	9.9	22

48	Transporters as Drug Targets in Neurological Diseases. <i>Clinical Pharmacology and Therapeutics</i> , 2016 , 100, 441-453	6.1	18
47	Oleocanthalic Acid, a Chemical Marker of Olive Oil Aging and Exposure to a High Storage Temperature with Potential Neuroprotective Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7337-7346	5.7	17
46	ATP-binding cassette subfamily B member 1 (ABCB1) and subfamily C member 10 (ABCC10) are not primary resistance factors for cabazitaxel. <i>Chinese Journal of Cancer</i> , 2015 , 34, 115-20		16
45	In vitro investigation of amyloid- β hepatobiliary disposition in sandwich-cultured primary rat hepatocytes. <i>Drug Metabolism and Disposition</i> , 2013 , 41, 1787-96	4	16
44	Exposure of LS-180 cells to drugs of diverse physicochemical and therapeutic properties up-regulates P-glycoprotein expression and activity. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2011 , 14, 236-48	3.4	16
43	High performance liquid chromatography with fluorescence detection for the determination of phenylpropanolamine in human plasma and rat blood and brain microdialysates using DIB-Cl as a label. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 34, 643-50	3.5	16
42	Crocetin promotes clearance of amyloid- β by inducing autophagy via the STK11/LKB1-mediated AMPK pathway. <i>Autophagy</i> , 2021 , 17, 3813-3832	10.2	16
41	Amylin Enhances Amyloid- β Peptide Brain to Blood Efflux Across the Blood-Brain Barrier. <i>Journal of Alzheimer's Disease</i> , 2017 , 56, 1087-1099	4.3	15
40	Physiologically Based Pharmacokinetic/Pharmacodynamic Model for Caffeine Disposition in Pregnancy. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1340-1349	5.6	15
39	Development and validation of a reversed-phase HPLC method for the determination of Ecotrienol in rat and human plasma. <i>Biomedical Chromatography</i> , 2011 , 25, 621-7	1.7	14
38	Multi-faceted therapeutic strategy for treatment of Alzheimer's disease by concurrent administration of etodolac and Ecopherol. <i>Neurobiology of Disease</i> , 2019 , 125, 123-134	7.5	13
37	Adult stem cell deficits drive Slc29a3 disorders in mice. <i>Nature Communications</i> , 2019 , 10, 2943	17.4	13
36	Orlistat limits cholesterol intestinal absorption by Niemann-pick C1-like 1 (NPC1L1) inhibition. <i>European Journal of Pharmacology</i> , 2015 , 762, 263-9	5.3	13
35	Synthesis and P-glycoprotein induction activity of colupulone analogs. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 5488-96	3.9	12
34	EGFR targeted delivery of paclitaxel and parthenolide co-loaded in PEG-Phospholipid micelles enhance cytotoxicity and cellular uptake in non-small cell lung cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2016 , 36, 150-155	4.5	12
33	Development of a Physiologically Based Pharmacokinetic/Pharmacodynamic Model to Predict the Impact of Genetic Polymorphisms on the Pharmacokinetics and Pharmacodynamics Represented by Receptor/Transporter Occupancy of Central Nervous System Drugs. <i>Clinical Pharmacokinetics</i> , 2016 , 55, 657-68	6.2	11
32	High-performance liquid chromatographic method for the disposition of mazindol and its metabolite 2-(2-aminoethyl)-3-(p-chlorophenyl)-3-hydroxyphthalimidine in mouse brain and plasma. <i>Analytica Chimica Acta</i> , 2004 , 502, 39-47	6.6	11
31	HPLC determination of phenylpropanolamine in pharmaceutical OTC preparations. <i>Biomedical Chromatography</i> , 2002 , 16, 463-9	1.7	11

30	Semi-micro column HPLC of triazolam in rat plasma and brain microdialysate and its application to drug interaction study with itraconazole. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 30, 1809-16	3.5	11
29	High performance liquid chromatography with UV detection for the simultaneous determination of sympathomimetic amines using 4-(4,5-diphenyl-1H-imidazole-2-yl)benzoyl chloride as a label. <i>Biomedical Chromatography</i> , 2001 , 15, 379-88	1.7	11
28	Vitamin E transporters in cancer therapy. <i>AAPS Journal</i> , 2015 , 17, 313-22	3.7	10
27	Pentazocine monitoring in rat hair and plasma by HPLC-fluorescence detection with DIB-Cl as a labelling reagent. <i>Luminescence</i> , 2007 , 22, 157-62	2.5	10
26	Genomics and pharmacogenomics of breast cancer: current knowledge and trends. <i>Asian Pacific Journal of Cancer Prevention</i> , 2011 , 12, 1127-40	1.7	10
25	Factors influencing regional differences in intestinal absorption of UK-343,664 in rat: possible role in dose-dependent pharmacokinetics. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 435-45	3.9	9
24	Pharmacokinetic interactions between phenylpropanolamine, caffeine and chlorpheniramine in rats. <i>European Journal of Pharmaceutical Sciences</i> , 2004 , 22, 209-16	5.1	9
23	High performance liquid chromatographic determination of mazindol in human plasma. <i>Analyst, The</i> , 2001 , 126, 1963-8	5	9
22	Thiazole-valine peptidomimetic (TTT-28) antagonizes multidrug resistance in vitro and in vivo by selectively inhibiting the efflux activity of ABCB1. <i>Scientific Reports</i> , 2017 , 7, 42106	4.9	7
21	Effect of mouse strain as a background for Alzheimer's disease models on the clearance of amyloid- β . <i>Journal of Systems and Integrative Neuroscience</i> , 2016 , 2, 135-140	2.9	7
20	Dexamethasone eluting 3D printed metal devices for bone injuries. <i>Therapeutic Delivery</i> , 2020 , 11, 373-386	3.8	5
19	Characterization of Hit Compounds Identified from High-throughput Screening for their Effect on Blood-brain Barrier Integrity and Amyloid- β Clearance: In Vitro and In Vivo Studies. <i>Neuroscience</i> , 2018 , 379, 269-280	3.9	5
18	Tacrine sinusoidal uptake and biliary excretion in sandwich-cultured primary rat hepatocytes. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2014 , 17, 427-38	3.4	5
17	Investigation of the multixenobiotic resistance mechanism in the freshwater fishes western mosquitofish, <i>Gambusia affinis</i> , and bluegill sunfish, <i>Lepomis macrochirus</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009 , 83, 640-3	2.7	5
16	Plasma Rich in Growth Factors (PRGF) Disrupt the Blood-Brain Barrier Integrity and Elevate Amyloid Pathology in the Brains of 5XFAD Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
15	Amylin and pramlintide modulate β -secretase level and APP processing in lipid rafts. <i>Scientific Reports</i> , 2020 , 10, 3751	4.9	4
14	Blood-Brain Barrier Disruption Increases Amyloid-Related Pathology in TgSwDI Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
13	Development and qualification of an LC-MS/MS method for investigating the biological implications of micelle entrapped paclitaxel in cell culture and rats. <i>Biomedical Chromatography</i> , 2017 , 31, e3960	1.7	3

12	Granisetron Alleviates Alzheimer's Disease Pathology in TgSwDI Mice Through Calmodulin-Dependent Protein Kinase II/cAMP-Response Element Binding Protein Pathway. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, 1097-1117	4.3	3
11	Development of a physiologically based pharmacokinetic/pharmacodynamic model to identify mechanisms contributing to entacapone low bioavailability. <i>Biopharmaceutics and Drug Disposition</i> , 2015 , 36, 587-602	1.7	3
10	In vivo incorporation of fenfluramine and norfenfluramine into pigmented and nonpigmented hair of rats measured by HPLC-fluorescence detection. <i>Forensic Toxicology</i> , 2011 , 29, 44-50	2.6	3
9	Spontaneous and Interaction of (-)-Oleocanthal with Glycine in Biological Fluids: Novel Pharmacokinetic Markers. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 179-192	5.9	3
8	Neuroprotective Effects of Extra-Virgin Olive Oil and its Components in Alzheimer's Disease 2017 , 299-315		1
7	Pharmacokinetic properties of N-nitrosofenfluramine after its administration to rats. <i>Biomedical Chromatography</i> , 2011 , 25, 579-87	1.7	1
6	Sildenafil Enhances the Anticancer Activity of Paclitaxel in an ABCB1-Mediated Multidrug Resistance Xenograft Mouse Model. <i>Journal of Cancer Research Updates</i> , 2014 , 3, 169-173	1	1
5	Obesity and Breast Cancer: Molecular and Epidemiological Evidence. <i>Journal of Cancer Research Updates</i> , 2015 , 4, 30-42	1	1
4	Comment on López-Yerena et al. "Absorption and Intestinal Metabolic Profile of Oleocanthal in Rats" 2020, , 134. <i>Pharmaceutics</i> , 2020 , 12,	6.4	1
3	Role of endothelial TRPA1 expression in blood-brain barrier dysfunction.. <i>Alzheimer's and Dementia</i> , 2021 , 17 Suppl 2, e058550	1.2	0
2	Neuroprotective effects of oleocanthal in neurological disorders 2021 , 671-679		
1	P2-044: HIGH-THROUGHPUT SCREENING TO IDENTIFY BLOOD-BRAIN BARRIER INTEGRITY ENHANCERS TO RECTIFY VASCULAR AMYLOID TOXICITY: FROM IN VITRO TO IN VIVO STUDIES 2018 , 14, P683-P684		