Amal Kaddoumi

List of Publications by Year in Descending Order

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	Neuroprotective effects of oleocanthal in neurological disorders **2021**, 671-679		
100	Spontaneous and Interaction of (-)-Oleocanthal with Glycine in Biological Fluids: Novel Pharmacokinetic Markers. *ACS Pharmacology and Translational Science*, **2021**, 4, 179-192	5.9	3
99	Crocetin promotes clearance of amyloid-β by inducing autophagy via the STK11/LKB1-mediated AMPK pathway. *Autophagy*, **2021**, 17, 3813-3832	10.2	16
98	Blood-Brain Barrier Disruption Increases Amyloid-Related Pathology in TgSwDI Mice. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
97	Role of endothelial TRPA1 expression in blood-brain barrier dysfunction.. *Alzheimer's and Dementia*, **2021**, 17 Suppl 2, e058550	1.2	0
96	Dexamethasone eluting 3D printed metal devices for bone injuries. *Therapeutic Delivery*, **2020**, 11, 373-386	3.6	5
95	Amylin and pramlintide modulate β-secretase level and APP processing in lipid rafts. *Scientific Reports*, **2020**, 10, 3751	4.9	4
94	Comment on López-Yerena et al. "Absorption and Intestinal Metabolic Profile of Oleocanthal in Rats" 2020, , 134. *Pharmaceutics*, **2020**, 12,	6.4	1
93	Physiologically Based Pharmacokinetic/Pharmacodynamic Model for Caffeine Disposition in Pregnancy. *Molecular Pharmaceutics*, **2019**, 16, 1340-1349	5.6	15
92	Multi-faceted therapeutic strategy for treatment of Alzheimer's disease by concurrent administration of etodolac and α-tocopherol. *Neurobiology of Disease*, **2019**, 125, 123-134	7.5	13
91	Oleocanthal-Rich Extra-Virgin Olive Oil Restores the Blood-Brain Barrier Function through NLRP3 Inflammasome Inhibition Simultaneously with Autophagy Induction in TgSwDI Mice. *ACS Chemical Neuroscience*, **2019**, 10, 3543-3554	5.7	23
90	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. *PLoS ONE*, **2019**, 14, e0214798	3.7	22
89	Alborixin clears amyloid-β by inducing autophagy through PTEN-mediated inhibition of the AKT pathway. *Autophagy*, **2019**, 15, 1810-1828	10.2	42
88	Plasma Rich in Growth Factors (PRGF) Disrupt the Blood-Brain Barrier Integrity and Elevate Amyloid Pathology in the Brains of 5XFAD Mice. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	4
87	Adult stem cell deficits drive Slc29a3 disorders in mice. *Nature Communications*, **2019**, 10, 2943	17.4	13
86	Granisetron Alleviates Alzheimer's Disease Pathology in TgSwDI Mice Through Calmodulin-Dependent Protein Kinase II/cAMP-Response Element Binding Protein Pathway. *Journal of Alzheimer's Disease*, **2019**, 72, 1097-1117	4.3	3
85	Regorafenib antagonizes BCRP-mediated multidrug resistance in colon cancer. *Cancer Letters*, **2019**, 442, 104-112	9.9	22

84	Epidermal growth factor receptor (EGFR) inhibitor PD153035 reverses ABCG2-mediated multidrug resistance in non-small cell lung cancer: In vitro and in vivo. *Cancer Letters*, **2018**, 424, 19-29	9.9	31
83	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. *Journal of Nutritional Biochemistry*, **2018**, 55, 113-123	6.3	40
82	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. *Neuroscience*, **2018**, 379, 269-280	3.9	5
81	Oleocanthalic Acid, a Chemical Marker of Olive Oil Aging and Exposure to a High Storage Temperature with Potential Neuroprotective Activity. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 7337-7346	5.7	17
80	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		
79	Neuroprotective Effects of Extra-Virgin Olive Oil and its Components in Alzheimer's Disease **2017**, 299-315		1
78	Amylin Enhances Amyloid-β Peptide Brain to Blood Efflux Across the Blood-Brain Barrier. *Journal of Alzheimer's Disease*, **2017**, 56, 1087-1099	4.3	15
77	Development and qualification of an LC-MS/MS method for investigating the biological implications of micelle entrapped paclitaxel in cell culture and rats. *Biomedical Chromatography*, **2017**, 31, e3960	1.7	3
76	Thiazole-valine peptidomimetic (TTT-28) antagonizes multidrug resistance in vitro and in vivo by selectively inhibiting the efflux activity of ABCB1. *Scientific Reports*, **2017**, 7, 42106	4.9	7
75	Oleocanthal ameliorates amyloid-β oligomers' toxicity on astrocytes and neuronal cells: In vitro studies. *Neuroscience*, **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. *Cancer Letters*, **2017**, 396, 145-154	9.9	39
73	Crocus sativus Extract Tightens the Blood-Brain Barrier, Reduces Amyloid β Load and Related Toxicity in 5XFAD Mice. *ACS Chemical Neuroscience*, **2017**, 8, 1756-1766	5.7	44
72	Transporters as Drug Targets in Neurological Diseases. *Clinical Pharmacology and Therapeutics*, **2016**, 100, 441-453	6.1	18
71	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. *Journal of Drug Delivery Science and Technology*, **2016**, 36, 150-155	4.5	12
70	High-Throughput Screening for Identification of Blood-Brain Barrier Integrity Enhancers: A Drug Repurposing Opportunity to Rectify Vascular Amyloid Toxicity. *Journal of Alzheimer's Disease*, **2016**, 53, 1499-516	4.3	31
69	Role of P-glycoprotein in mediating rivastigmine effect on amyloid-β brain load and related pathology in Alzheimer's disease mouse model. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 778-787	6.9	40
68	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. *Clinical Pharmacokinetics*, **2016**, 55, 957-69	6.2	11
67	Effect of mouse strain as a background for Alzheimer's disease models on the clearance of amyloid-β *Journal of Systems and Integrative Neuroscience*, **2016**, 2, 135-140	2.9	7

66	Amyloid-β and Astrocytes Interplay in Amyloid-β Related Disorders. *International Journal of Molecular Sciences*, **2016**, 17, 338	6.3	47
65	PEGylated δ-tocotrienol isomer of vitamin E: Synthesis, characterization, in vitro cytotoxicity, and oral bioavailability. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 96, 185-95	5.7	22
64	Synthesis and P-glycoprotein induction activity of colupulone analogs. *Organic and Biomolecular Chemistry*, **2015**, 13, 5488-96	3.9	12
63	ATP-binding cassette subfamily B member 1 (ABCB1) and subfamily C member 10 (ABCC10) are not primary resistance factors for cabazitaxel. *Chinese Journal of Cancer*, **2015**, 34, 115-20		16
62	Age-Related Decline in Brain and Hepatic Clearance of Amyloid-Beta is Rectified by the Cholinesterase Inhibitors Donepezil and Rivastigmine in Rats. *ACS Chemical Neuroscience*, **2015**, 6, 725-36	5.7	30
61	Extra-virgin olive oil attenuates amyloid-β and tau pathologies in the brains of TgSwDI mice. *Journal of Nutritional Biochemistry*, **2015**, 26, 1479-90	6.3	60
60	Oleocanthal enhances amyloid-β clearance from the brains of TgSwDI mice and in vitro across a human blood-brain barrier model. *ACS Chemical Neuroscience*, **2015**, 6, 1849-59	5.7	101
59	Vitamin E transporters in cancer therapy. *AAPS Journal*, **2015**, 17, 313-22	3.7	10
58	Development of a physiologically based pharmacokinetic/pharmacodynamic model to identify mechanisms contributing to entacapone low bioavailability. *Biopharmaceutics and Drug Disposition*, **2015**, 36, 587-602	1.7	3
57	Development of Physiologically Based Pharmacokinetic/Pharmacodynamic Model for Indomethacin Disposition in Pregnancy. *PLoS ONE*, **2015**, 10, e0139762	3.7	23
56	Orlistat limits cholesterol intestinal absorption by Niemann-pick C1-like 1 (NPC1L1) inhibition. *European Journal of Pharmacology*, **2015**, 762, 263-9	5.3	13
55	PEG-lipid micelles as drug carriers: physiochemical attributes, formulation principles and biological implication. *Journal of Drug Targeting*, **2015**, 23, 222-31	5.4	59
54	Cellular uptake, antioxidant and antiproliferative activity of entrapped δ-tocopherol and δ-tocotrienol in poly (lactic-co-glycolic) acid (PLGA) and chitosan covered PLGA nanoparticles (PLGA-Chi). *Journal of Colloid and Interface Science*, **2015**, 445, 243-251	9.3	51
53	The small molecule tyrosine kinase inhibitor NVP-BHG712 antagonizes ABCC10-mediated paclitaxel resistance: a preclinical and pharmacokinetic study. *Oncotarget*, **2015**, 6, 510-21	3.3	26
52	Obesity and Breast Cancer: Molecular and Epidemiological Evidence. *Journal of Cancer Research Updates*, **2015**, 4, 30-42	1	1
51	Differences in amyloid-β clearance across mouse and human blood-brain barrier models: kinetic analysis and mechanistic modeling. *Neuropharmacology*, **2014**, 79, 668-78	5.5	83
50	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. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1806-15	6.9	36
49	Enhanced solubility and oral bioavailability of δ-tocotrienol using a self-emulsifying drug delivery system (SEDDS). *Lipids*, **2014**, 49, 819-29	1.6	32

48	Tacrine sinusoidal uptake and biliary excretion in sandwich-cultured primary rat hepatocytes. *Journal of Pharmacy and Pharmaceutical Sciences*, **2014**, 17, 427-38	3.4	5
47	Masitinib antagonizes ATP-binding cassette subfamily C member 10-mediated paclitaxel resistance: a preclinical study. *Molecular Cancer Therapeutics*, **2014**, 13, 714-23	6.1	35
46	Sildenafil Enhances the Anticancer Activity of Paclitaxel in an ABCB1-Mediated Multidrug Resistance Xenograft Mouse Model. *Journal of Cancer Research Updates*, **2014**, 3, 169-173	1	1
45	Sesamin synergistically potentiates the anticancer effects of tocotrienol in mammary cancer cell lines. *Phytotherapy*, **2013**, 84, 347-59	3.2	35
44	In vitro investigation of amyloid-hepatobiliary disposition in sandwich-cultured primary rat hepatocytes. *Drug Metabolism and Disposition*, **2013**, 41, 1787-96	4	16
43	Effect of PEG surface conformation on anticancer activity and blood circulation of nanoemulsions loaded with tocotrienol-rich fraction of palm oil. *AAPS Journal*, **2013**, 15, 1168-79	3.7	28
42	Olive-oil-derived oleocanthal enhances amyloid clearance as a potential neuroprotective mechanism against Alzheimer's disease: in vitro and in vivo studies. *ACS Chemical Neuroscience*, **2013**, 4, 973-82	5.7	179
41	Nonlinear absorption kinetics of self-emulsifying drug delivery systems (SEDDS) containing tocotrienols as lipophilic molecules: in vivo and in vitro studies. *AAPS Journal*, **2013**, 15, 684-95	3.7	29
40	Experimental models for predicting drug absorption and metabolism. *Expert Opinion on Drug Metabolism and Toxicology*, **2013**, 9, 1241-54	5.5	53
39	Nilotinib potentiates anticancer drug sensitivity in murine ABCB1-, ABCG2-, and ABCC10-multidrug resistance xenograft models. *Cancer Letters*, **2013**, 328, 307-17	9.9	92
38	Mixed micelles of PEG(2000)-DSPE and vitamin-E TPGS for concurrent delivery of paclitaxel and parthenolide: enhanced chemosenstization and antitumor efficacy against non-small cell lung cancer (NSCLC) cell lines. *European Journal of Pharmaceutical Sciences*, **2012**, 46, 64-71	5.1	83
37	Role of ABC transporters in the pathogenesis of Alzheimer's disease. *ACS Chemical Neuroscience*, **2012**, 3, 820-31	5.7	94
36	In silico modeling for the nonlinear absorption kinetics of UK-343,664: a P-gp and CYP3A4 substrate. *Molecular Pharmaceutics*, **2012**, 9, 492-504	5.6	43
35	Enhanced brain amyloid-clearance by rifampicin and caffeine as a possible protective mechanism against Alzheimer's disease. *Journal of Alzheimer's Disease*, **2012**, 31, 151-65	4.3	113
34	Comparison of the intestinal absorption and bioavailability of tocotrienol and tocopherol: in vitro, in situ and in vivo studies. *Biopharmaceutics and Drug Disposition*, **2012**, 33, 246-56	1.7	36
33	Enhancement of intestinal permeability utilizing solid lipid nanoparticles increases tocotrienol oral bioavailability. *Lipids*, **2012**, 47, 461-9	1.6	59
32	Induction of expression and functional activity of P-glycoprotein efflux transporter by bioactive plant natural products. *Food and Chemical Toxicology*, **2011**, 49, 2765-72	4.7	24
31	Paclitaxel loaded PEG(5000)-DSPE micelles as pulmonary delivery platform: formulation characterization, tissue distribution, plasma pharmacokinetics, and toxicological evaluation. *European Journal of Pharmaceutics and Biopharmaceutics*, **2011**, 79, 276-84	5.7	130

30	Up-regulation of P-glycoprotein reduces intracellular accumulation of beta amyloid: investigation of P-glycoprotein as a novel therapeutic target for Alzheimer's disease. *Journal of Pharmacy and Pharmacology*, **2011**, 63, 1111-8	4.8	59
29	Exposure of LS-180 cells to drugs of diverse physicochemical and therapeutic properties up-regulates P-glycoprotein expression and activity. *Journal of Pharmacy and Pharmaceutical Sciences*, **2011**, 14, 236-48	3.4	16
28	In vivo incorporation of fenfluramine and norfenfluramine into pigmented and nonpigmented hair of rats measured by HPLC-fluorescence detection. *Forensic Toxicology*, **2011**, 29, 44-50	2.6	3
27	Pharmacokinetic properties of N-nitrosofenfluramine after its administration to rats. *Biomedical Chromatography*, **2011**, 25, 579-87	1.7	1
26	Development and validation of a reversed-phase HPLC method for the determination of δ-tocotrienol in rat and human plasma. *Biomedical Chromatography*, **2011**, 25, 621-7	1.7	14
25	Genomics and pharmacogenomics of breast cancer: current knowledge and trends. *Asian Pacific Journal of Cancer Prevention*, **2011**, 12, 1127-40	1.7	10
24	Positron emission tomography imaging of tissue P-glycoprotein activity during pregnancy in the non-human primate. *British Journal of Pharmacology*, **2010**, 159, 394-404	8.6	30
23	Intestinal absorption of gamma-tocotrienol is mediated by Niemann-Pick C1-like 1: in situ rat intestinal perfusion studies. *Drug Metabolism and Disposition*, **2010**, 38, 939-45	4	48
22	The value of tocotrienols in the prevention and treatment of cancer. *Journal of the American College of Nutrition*, **2010**, 29, 324S-333S	3.5	36
21	Discovery of novel GSK-3β inhibitors with potent in vitro and in vivo activities and excellent brain permeability using combined ligand- and structure-based virtual screening. *Journal of Medicinal Chemistry*, **2010**, 53, 8534-45	8.3	53
20	Redox-silent tocotrienol esters as breast cancer proliferation and migration inhibitors. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 8066-75	3.4	26
19	Simultaneous PET imaging of P-glycoprotein inhibition in multiple tissues in the pregnant nonhuman primate. *Journal of Nuclear Medicine*, **2009**, 50, 798-806	8.9	44
18	Investigation of the multixenobiotic resistance mechanism in the freshwater fishes western mosquitofish, Gambusia affinis, and bluegill sunfish, Lepomis macrochirus. *Bulletin of Environmental Contamination and Toxicology*, **2009**, 83, 640-3	2.7	5
17	The marine natural-derived inhibitors of glycogen synthase kinase-3beta phenylmethylene hydantoins: In vitro and in vivo activities and pharmacophore modeling. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 6032-9	3.4	41
16	Profiling gene expression in human placentae of different gestational ages: an OPRU Network and UW SCOR Study. *Reproductive Sciences*, **2008**, 15, 866-77	3	104
15	Pentazocine monitoring in rat hair and plasma by HPLC-fluorescence detection with DIB-Cl as a labelling reagent. *Luminescence*, **2007**, 22, 157-62	2.5	10
14	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. *Drug Metabolism and Disposition*, **2007**, 35, 1459-62	4	49
13	Factors influencing regional differences in intestinal absorption of UK-343,664 in rat: possible role in dose-dependent pharmacokinetics. *Journal of Pharmaceutical Sciences*, **2006**, 95, 435-45	3.9	9

12	Pharmacokinetic interactions between phenylpropanolamine, caffeine and chlorpheniramine in rats. *European Journal of Pharmaceutical Sciences*, **2004**, 22, 209-16	5.1	9
11	Hair analysis for fenfluramine and norfenfluramine as biomarkers for N-nitrosofenfluramine ingestion. *Forensic Science International*, **2004**, 146, 39-46	2.6	24
10	High performance liquid chromatography with fluorescence detection for the determination of phenylpropanolamine in human plasma and rats blood and brain microdialysates using DIB-Cl as a label. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 34, 643-50	3.5	16
9	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. *Biomedical Chromatography*, **2004**, 18, 202-4	1.7	25
8	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. *Analytica Chimica Acta*, **2004**, 502, 39-47	6.6	11
7	Determination of methamphetamine and amphetamine in abusers plasma and hair samples with HPLC-FL. *Biomedical Chromatography*, **2003**, 17, 471-6	1.7	39
6	Semi-micro column HPLC of triazolam in rat plasma and brain microdialysate and its application to drug interaction study with itraconazole. *Journal of Pharmaceutical and Biomedical Analysis*, **2003**, 30, 1809-16	3.5	11
5	Liquid chromatography studies on the pharmacokinetics of phentermine and fenfluramine in brain and blood microdialysates after intraperitoneal administration to rats. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2003**, 791, 291-303	3.2	22
4	HPLC determination of phenylpropanolamine in pharmaceutical OTC preparations. *Biomedical Chromatography*, **2002**, 16, 463-9	1.7	11
3	Fluorometric determination of DL-fenfluramine, DL-norfenfluramine and phentermine in plasma by achiral and chiral high-performance liquid chromatography. *Biomedical Applications*, **2001**, 763, 79-90		26
2	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. *Biomedical Chromatography*, **2001**, 15, 379-88	1.7	11
1	High performance liquid chromatographic determination of mazindol in human plasma. *Analyst, The* , **2001**, 126, 1963-8	5	9