Mohd Aqil

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/859904/publications.pdf

Version: 2024-02-01

98 papers	2,938 citations	126858 33 h-index	197736 49 g-index
99 all docs	99 docs citations	99 times ranked	3055 citing authors

#	Article	IF	Citations
1	Application of Boxâ€“Behnken design for preparation of levofloxacin-loaded stearic acid solid lipid nanoparticles for ocular delivery: Optimization, in vitro release, ocular tolerance, and antibacterial activity. International Journal of Biological Macromolecules, 2016, 85, 258-270.	3.6	130
2	Preparation, characterization, and evaluation of gatifloxacin loaded solid lipid nanoparticles as colloidal ocular drug delivery system. Journal of Drug Targeting, 2010, 18, 191-204.	2.1	106
3	Enhanced transdermal delivery of an anti-hypertensive agent via nanoethosomes: Statistical optimization, characterization and pharmacokinetic assessment. International Journal of Pharmaceutics, 2013, 443, 26-38.	2.6	104
4	Formulation and optimization of niosomes for topical diacerein delivery using 3-factor, 3-level Box-Behnken design for the management of psoriasis. Materials Science and Engineering C, 2016, 69, 789-797.	3.8	99
5	Optimization of nanostructured lipid carriers of lamotrigine for brain delivery:in vitrocharacterization andin vivoefficacy in epilepsy. Expert Opinion on Drug Delivery, 2015, 12, 181-194.	2.4	93
6	Chitosan-coated PLGA nanoparticles of bevacizumab as novel drug delivery to target retina: optimization, characterization, and in vitro toxicity evaluation. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1397-1407.	1.9	91
7	Development of transethosomes formulation for dermal fisetin delivery: Boxâ€“Behnken design, optimization, in vitro skin penetration, vesiclesâ€“skin interaction and dermatokinetic studies. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 755-765.	1.9	88
8	A pharmacological appraisal of medicinal plants with antidiabetic potential. Journal of Pharmacy and Bioallied Sciences, 2012, 4, 27.	0.2	87
9	In situ gelling dorzolamide loaded chitosan nanoparticles for the treatment of glaucoma. Carbohydrate Polymers, 2014, 102, 117-124.	5.1	82
10	Design, formulation and optimization of novel soft nano-carriers for transdermal olmesartan medoxomil delivery: In vitro characterization and in vivo pharmacokinetic assessment. International Journal of Pharmaceutics, 2016, 505, 147-158.	2.6	74
11	Temozolomide loaded nano lipid based chitosan hydrogel for nose to brain delivery: Characterization, nasal absorption, histopathology and cell line study. International Journal of Biological Macromolecules, 2018, 116, 1260-1267.	3.6	69
12	Investigation of antihypertensive activity of carbopol valsartan transdermal gel containing 1,8-cineole. International Journal of Biological Macromolecules, 2014, 64, 144-149.	3.6	68
13	Fisetin loaded binary ethosomes for management of skin cancer by dermal application on UV exposed mice. International Journal of Pharmaceutics, 2019, 560, 78-91.	2.6	66
14	Optimization of ethosomes for topical thymoquinone delivery for the treatment of skin acne. Journal of Drug Delivery Science and Technology, 2019, 49, 177-187.	1.4	65
15	Invasomes of isradipine for enhanced transdermal delivery against hypertension: formulation, characterization, and in vivo pharmacodynamic study. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 139-145.	1.9	61
16	Optimization of nanostructured lipid carriers for topical delivery of nimesulide using Boxâ€“Behnken design approach. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 617-624.	1.9	60
17	Development of clove oil based nanoemulsion of olmesartan for transdermal delivery: Boxâ€“Behnken design optimization and pharmacokinetic evaluation. Journal of Molecular Liquids, 2016, 214, 238-248.	2.3	51
18	Optimization by design of etoposide loaded solid lipid nanoparticles for ocular delivery: Characterization, pharmacokinetic and deposition study. Materials Science and Engineering C, 2019, 100, 959-970.	3.8	50

#	Article	IF	Citations
19	Design, formulation and optimization of valsartan transdermal gel containing iso-eucalyptol as novel permeation enhancer: preclinical assessment of pharmacokinetics in Wistar albino rats. Expert Opinion on Drug Delivery, 2014, 11, 1149-1162.	2.4	49
20	Transdermal potential and anti-arthritic efficacy of ursolic acid from niosomal gel systems. International Immunopharmacology, 2015, 29, 361-369.	1.7	49
21	Ultrasonically tailored, chemically engineered and â€œQbDâ€•enabled fabrication of agomelatine nanoemulsion; optimization, characterization, ex-vivo permeation and stability study. Ultrasonics Sonochemistry, 2018, 41, 213-226.	3.8	49
22	Part II: Enhancement of transcorneal delivery of gatifloxacin by solid lipid nanoparticles in comparison to commercial aqueous eye drops. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1828-1836.	2.1	47
23	Part I: Development and optimization of solidâ€lipid nanoparticles using Boxâ€“Behnken statistical design for ocular delivery of gatifloxacin. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1813-1827.	2.1	45
24	Lamotrigine encapsulated intra-nasal nanoliposome formulation for epilepsy treatment: Formulation design, characterization and nasal toxicity study. Colloids and Surfaces B: Biointerfaces, 2019, 174, 553-562.	2.5	45
25	Formulation and optimization of nanostructured lipid carriers to enhance oral bioavailability of telmisartan using Boxâ€“Behnken design. Journal of Drug Delivery Science and Technology, 2018, 44, 431-439.	1.4	44
26	A grafted copolymer-based nanomicelles for topical ocular delivery of everolimus: Formulation, characterization, ex-vivo permeation, in-vitro ocular toxicity, and stability study. European Journal of Pharmaceutical Sciences, 2021, 159, 105735.	1.9	44
27	Systemic delivery of Î²-blockers via transdermal route for hypertension. Saudi Pharmaceutical Journal, 2015, 23, 587-602.	1.2	40
28	Application of Boxâ€“Behnken design for preparation of glibenclamide loaded lipid based nanoparticles: Optimization, in vitro skin permeation, drug release and in vivo pharmacokinetic study. Journal of Molecular Liquids, 2016, 219, 897-908.	2.3	40
29	Embelin-loaded oral niosomes ameliorate streptozotocin-induced diabetes in Wistar rats. Biomedicine and Pharmacotherapy, 2018, 97, 1514-1520.	2.5	40
30	The application of anethole, menthone, and eugenol in transdermal penetration of valsartan: Enhancement and mechanistic investigation. Pharmaceutical Biology, 2016, 54, 1042-1051.	1.3	37
31	Preparation and optimization of fisetin loaded glycerol based soft nanovesicles by Box-Behnken design. International Journal of Pharmaceutics, 2020, 578, 119125.	2.6	36
32	Status of Fatty Acids as Skin Penetration Enhancers-A Review. Current Drug Delivery, 2009, 6, 274-279.	0.8	36
33	Neuroprotective effects of chloroform and petroleum ether extracts of Nigella sativa seeds in stroke model of rat. Journal of Pharmacy and Bioallied Sciences, 2013, 5, 119.	0.2	35
34	Ameliorating effects of two extracts of Nigella sativa in middle cerebral artery occluded rat. Journal of Pharmacy and Bioallied Sciences, 2012, 4, 70.	0.2	34
35	Nanostructured lipidic carriers for dual drug delivery in the management of psoriasis: Systematic optimization, dermatokinetic and preclinical evaluation. Journal of Drug Delivery Science and Technology, 2020, 57, 101775.	1.4	34
36	Formulation of amlodipine nano lipid carrier: Formulation design, physicochemical and transdermal absorption investigation. Journal of Drug Delivery Science and Technology, 2019, 49, 209-218.	1.4	33

#	Article	IF	Citations
37	Neuroprotective study ofNigella sativa-loaded oral provesicular lipid formulation:in vitroandex vivostudy. Drug Delivery, 2014, 21, 487-494.	2.5	32
38	Investigating the potential of essential oils as penetration enhancer for transdermal losartan delivery: Effectiveness and mechanism of action. Asian Journal of Pharmaceutical Sciences, 2014, 9, 260-267.	4.3	30
39	Transdermal delivery of angiotensin II receptor blockers (ARBs), angiotensin-converting enzyme inhibitors (ACEIs) and others for management of hypertension. Drug Delivery, 2016, 23, 579-590.	2.5	29
40	Poloxamer-407 thickened lipid colloidal system of agomelatine for brain targeting: Characterization, brain pharmacokinetic study and behavioral study on Wistar rats. Colloids and Surfaces B: Biointerfaces, 2019, 181, 426-436.	2.5	29
41	The ameliorated longevity and pharmacokinetics of valsartan released from a gel system of ultradeformable vesicles. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1457-1463.	1.9	28
42	Self-nanoemulsifying drug delivery system of nabumetone improved its oral bioavailability and anti-inflammatory effects in rat model. Journal of Drug Delivery Science and Technology, 2019, 51, 736-745.	1.4	27
43	Facile functionalization of Teriflunomide-loaded nanoliposomes with Chondroitin sulphate for the treatment of Rheumatoid arthritis. Carbohydrate Polymers, 2020, 250, 116926.	5.1	27
44	Chitosan coated nanoparticles for efficient delivery of bevacizumab in the posterior ocular tissues via subconjunctival administration. Carbohydrate Polymers, 2021, 267, 118217.	5.1	27
45	Improved bioavailability of raloxifene hydrochloride using limonene containing transdermal nano-sized vesicles. Journal of Drug Delivery Science and Technology, 2019, 52, 468-476.	1.4	26
46	Transdermal delivery of calcium channel blockers for hypertension. Expert Opinion on Drug Delivery, 2013, 10, 1137-1153.	2.4	25
47	Development of nabumetone loaded lipid nano-scaffold for the effective oral delivery; optimization, characterization, drug release and pharmacodynamic study. Journal of Molecular Liquids, 2017, 231, 514-522.	2.3	24
48	Ursolic acid loaded intra nasal nano lipid vesicles for brain tumour: Formulation, optimization, in-vivo brain/plasma distribution study and histopathological assessment. Biomedicine and Pharmacotherapy, 2018, 106, 1578-1585.	2.5	24
49	Formulation and Evaluation of Neuroactive Drug Loaded Chitosan Nanoparticle for Nose to Brain Delivery: In-vitro Characterization and In-vivo Behavior Study. Current Drug Delivery, 2018, 16, 123-135.	0.8	23
50	Nano vesicular lipid carriers of angiotensin II receptor blocker: Anti-hypertensive and skin toxicity study in focus. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1-6.	1.9	22
51	Thymoquinone loaded dermal lipid nano particles: Box Behnken design optimization to preclinical psoriasis assessment. Journal of Drug Delivery Science and Technology, 2019, 52, 713-721.	1.4	22
52	Nonionic surfactant based thymoquinone loaded nanoproniosomal formulation:in vitrophysicochemical evaluation andin vivohepatoprotective efficacy. Drug Development and Industrial Pharmacy, 2017, 43, 1413-1420.	0.9	20
53	Herbal Drugs for Diabetic Treatment: An Updated Review of Patents. Recent Patents on Anti-infective Drug Discovery, 2012, 7, 53-59.	0.5	18
54	Glial Cell: A Potential Target for Cellular and Drug Based Therapy in Various CNS Diseases. Current Pharmaceutical Design, 2017, 23, 2389-2399.	0.9	18

#	Article	IF	Citations
55	Phytochemical-Based Nano-Pharmacotherapeutics for Management of Burn Wound Healing. Gels, 2021, 7, 209.	2.1	17
56	Tailoring of berberine loaded transniosomes for the management of skin cancer in mice. Journal of Drug Delivery Science and Technology, 2020, 60, 102051.	1.4	16
57	In vivo characterization of monolithic matrix type transdermal drug delivery systems of pinacidil monohydrate: A technical note. AAPS PharmSciTech, 2006, 7, E38-E42.	1.5	15
58	GC-MS analysis of the methanolic extracts of Smilax china and Salix alba and their antioxidant activity. Turkish Journal of Chemistry, 2020, 44, 352-363.	0.5	15
59	Exploration of Nanoethosomal Transgel of Naproxen Sodium for the Treatment of Arthritis. Current Drug Delivery, 2020, 17, 885-897.	0.8	15
60	Spanlastics a Novel Nanovesicular Carrier: Its Potential Application and Emerging Trends in Therapeutic Delivery. AAPS PharmSciTech, 2022, 23, 112.	1.5	15
61	Ibuprofen loaded nano-ethanolic liposomes carbopol gel system: in vitro characterization and anti-inflammatory efficacy assessment in Wistar rats. Journal of Polymer Engineering, 2018, 38, 291-298.	0.6	13
62	Nanomulsion as a Carrier for Efficient Delivery of Metformin. Current Drug Delivery, 2014, 11, 243-252.	0.8	12
63	Fabrication and optimization of raloxifene loaded spanlastics vesicle for transdermal delivery. Journal of Drug Delivery Science and Technology, 2022, 68, 103102.	1.4	12
64	Development of response surface methodology for optimization of extraction parameters and quantitative estimation of embelin from Embelia ribes Burm by high performance liquid chromatography. Pharmacognosy Magazine, 2015, 11, 166.	0.3	11
65	Nanoethosomes mediated transdermal delivery of vinpocetine for management of Alzheimerâ€™s disease. Drug Delivery, 2015, 22, 1018-1026.	2.5	11
66	Nano-Based Therapy for Treatment of Skin Cancer. Recent Patents on Anti-infective Drug Discovery, 2018, 13, 151-163.	0.5	11
67	Investigation on utility of some novel terpenes on transungual delivery of fluconazole for the management of onychomycosis. Journal of Cosmetic Dermatology, 2022, 21, 5103-5110.	0.8	11
68	Optimization of valencene containing lipid vesicles for boosting the transungual delivery of itraconazole. 3 Biotech, 2021, 11, 137.	1.1	10
69	Application of Lipid Blend-Based Nanoparticulate Scaffold for Oral Delivery of Antihypertensive Drug: Implication on Process Variables and In Vivo Absorption Assessment. Journal of Pharmaceutical Innovation, 2018, 13, 341-352.	1.1	9
70	Ameliorative effect of rubiadin-loaded nanocarriers in STZ-NA-induced diabetic nephropathy in rats: formulation optimization, molecular docking, and in vivo biological evaluation. Drug Delivery and Translational Research, 2022, 12, 615-628.	3.0	9
71	Ethosomes-based gel formulation of karanjin for treatment of acne vulgaris: in vitro investigations and preclinical assessment. 3 Biotech, 2021, 11, 456.	1.1	9
72	Nanostructured lipid carrier for transdermal gliclazide delivery: development and optimization by Box-Behnken design. Inorganic and Nano-Metal Chemistry, 0, , 1-14.	0.9	9

#	Article	IF	Citations
73	Extraction, Quantification, and Cytokine Inhibitory Response of Bakuchiol in Psoralea coryfolia Linn.. Separations, 2020, 7, 48.	1.1	7
74	Berberine loaded dermal quality by design adapted chemically engineered lipid nano-constructs-gel formulation for the treatment of skin acne. Journal of Drug Delivery Science and Technology, 2021, 66, 102805.	1.4	6
75	Repurposing pentosan polysulfate sodium as hyaluronic acid linked polyion complex nanoparticles for the management of osteoarthritis: A potential approach. Medical Hypotheses, 2021, 157, 110713.	0.8	6
76	Review on 3D printing in dentistry: conventional to personalized dental care. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 2292-2323.	1.9	6
77	Therapeutic adherence: A prospective drug utilization study of oral hypoglycemic in patients with type 2 diabetes mellitus. Asian Pacific Journal of Tropical Disease, 2014, 4, S347-S352.	0.5	5
78	Chemical engineering of a lipid nano-scaffold for the solubility enhancement of an antihyperlipidaemic drug, simvastatin; preparation, optimization, physicochemical characterization and pharmacodynamic study. Artificial Cells, Nanomedicine and Biotechnology, 0, , 1-12.	1.9	5
79	Application of central composite design for the optimization of itraconazole loaded nail lacquer formulation. 3 Biotech, 2021, 11, 324.	1.1	5
80	Poly(lactide-co-glycolide) Nanoparticles for an Extended Delivery of Bevacizumab to Retina: Formulation and In Vitro Characterization. Advanced Science Letters, 2014, 20, 1588-1593.	0.2	5
81	Formulation and evaluation of embelin loaded nanoliposomes: Optimization, in vitro and ex vivo evaluation. Journal of Drug Delivery Science and Technology, 2022, 72, 103414.	1.4	5
82	Stability-indicating assay of repaglinide in bulk and optimized nanoemulsion by validated high performance thin layer chromatography technique. Journal of Pharmacy and Bioallied Sciences, 2013, 5, 184.	0.2	4
83	Development and validation of stability indicating reversedâ€phase liquid chromatographic method for simultaneous quantification of methotrexate and teriflunomide in nanoparticles and marketed formulation. Biomedical Chromatography, 2018, 32, e4372.	0.8	4
84	Comparative evaluation of the liquid chromatographic methods for simultaneous analysis of quercetin and salicin in an antiâ€psoriasis polyherbal formulation. Separation Science Plus, 2020, 3, 77-85.	0.3	4
85	Formulation and optimization of rifampicin microparticles by Box-Behnken statistical design. Pharmaceutical Development and Technology, 2012, 17, 687-696.	1.1	3
86	Enhanced delivery of diclofenac diethylamine loaded Eudragit RL 100^{Â®} transdermal system against inflammation. Journal of Polymer Engineering, 2015, 35, 699-708.	0.6	3
87	Development and quality evaluation of chitosan-coated cellulose acetate phthalate-poloxamer enamel adhesive device for the treatment of dentin carious lesion. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1345-1358.	1.8	3
88	Development and Optimization of a Nanostructured Lipid Carrier Based Gel Formulation of Etoricoxib for Topical Delivery Using Box-Behnken Design: <I>In Vitro</I> and <I>Ex Vivo</I> Evaluation. Science of Advanced Materials, 2015, 7, 1567-1580.	0.1	3
89	A validated, rapid and cost-efficient HPTLC method for the quantification of plumbagin and its antioxidant activity from the different extracts of Plumbago zeylanica L.. Journal of Planar Chromatography - Modern TLC, 2020, 33, 587-597.	0.6	3
90	Quality and In Vivo Assessment of a Fulvic Acid Complex: A Validation Study. Scientia Pharmaceutica, 2022, 90, 33.	0.7	3

#	Article	IF	Citations
91	A Validated, Rapid and Cost-Efficient HPTLC Method for Quantification of Gamma-Linolenic Acid in Borage Oil and Evaluation of Antioxidant Activity. Journal of Chromatographic Science, 2022, 60, 364-371.	0.7	2
92	Analytical Quality by Design (AQbD) Approach Based HPTLC Method for Quantification of Fisetin with Superior Recovery in Formulations. Current Analytical Chemistry, 2020, 16, 149-157.	0.6	2
93	QbD Considerations for Topical and Transdermal Product Development. , 2019, , 131-150.		1
94	Lipid engineered nanoparticle therapy for burn wound treatment. Current Pharmaceutical Biotechnology, 2021, 22, .	0.9	1
95	Journal of Pharmacy and Bio Allied Sciences Vol 4 Issue 4. Journal of Pharmacy and Bioallied Sciences, 2012, 4, 257.	0.2	0
96	A Review of Hydrodynamically Balanced Drug Delivery Systems. Micro and Nanosystems, 2010, 2, 78-86.	0.3	0
97	Nanomedicine Therapeutic Approaches to Overcome Hypertension. , 2019, , 423-448.		0
98	Extraction of 11-Keto-Î² -Boswellic Acid from Indian Olibanum by Contemporary Extraction Modes: Optimization and Validation of HPTLC. Combinatorial Chemistry and High Throughput Screening, 2020, 23, .	0.6	0