Gowthamarajan Kuppusamy

List of Publications by Year
in descending order

35 papers	1,057 citations	471509 17 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	1741 citing authors

#	Article	IF	Citations
1	Curcumin loaded chitosan nanoparticles impregnated into collagen-alginate scaffolds for diabetic wound healing. International Journal of Biological Macromolecules, 2016, 93, 1519-1529.	7.5	266
2	Antiviral and immunomodulatory activity of curcumin: A case for prophylactic therapy for COVID-19. Heliyon, 2021, 7, e06350.	3.2	86
3	A review on novel vesicular drug delivery: proniosomes. Drug Delivery, 2014, 21, 243-249.	5.7	85
4	Metformin in breast cancer: preclinical and clinical evidence. Current Problems in Cancer, 2020, 44, 100488.	2.0	81
5	Lipid-based nanocarriers for breast cancer treatment â€“ comprehensive review. Drug Delivery, 2016, 23, 1291-1305.	5.7	73
6	Formulation and optimization of intranasal nanolipid carriers of pioglitazone for the repurposing in Alzheimerâ€™s disease using Box-Behnken design. Drug Development and Industrial Pharmacy, 2019, 45, 1061-1072.	2.0	58
7	Current and emerging therapies in the management of diabetic foot ulcers. Current Medical Research and Opinion, 2016, 32, 519-542.	1.9	46
8	A novel vesicular transdermal delivery of nifedipine â€“ preparation, characterization andin vitro/in-vivoevaluation. Drug Delivery, 2016, 23, 619-630.	5.7	29
9	Application of quality-by-design approach to optimize diallyl disulfide-loaded solid lipid nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 474-488.	2.8	29
10	Coadministration of Polypeptide-k and Curcumin Through Solid Self-Nanoemulsifying Drug Delivery System for Better Therapeutic Effect Against Diabetes Mellitus: Formulation, Optimization, Biopharmaceutical Characterization, and Pharmacodynamic Assessment. Assay and Drug Development Technologies, 2019, 17, 201-221.	1.2	28
11	Scope of new formulation approaches in the repurposing of pioglitazone for the management of Alzheimerâ€™s disease. Journal of Clinical Pharmacy and Therapeutics, 2019, 44, 337-348.	1.5	28
12	Physicochemical characterization and toxicological evaluation of plant-based anionic polymers and their nanoparticulated system for ocular delivery. Nanotoxicology, 2014, 8, 843-855.	3.0	23
13	Nano-facilitated drug delivery strategies in the treatment of plasmodium infection. Acta Tropica, 2019, 195, 103-114.	2.0	23
14	Overcoming the dissolution rate, gastrointestinal permeability and oral bioavailability of glimepiride and simvastatin co-delivered in the form of nanosuspension and solid self-nanoemulsifying drug delivery system: A comparative study. Journal of Drug Delivery Science and Technology, 2020, 60, 102083.	3.0	23
15	Affibody molecules for molecular imaging and targeted drug delivery in the management of breast cancer. International Journal of Biological Macromolecules, 2018, 107, 906-919.	7.5	22
16	Repositioning of Itraconazole for the Management of Ocular Neovascularization Through Surface-Modified Nanostructured Lipid Carriers. Assay and Drug Development Technologies, 2019, 17, 178-190.	1.2	21
17	Ameliorating the in vivo antimalarial efficacy of artemether using nanostructured lipid carriers. Journal of Microencapsulation, 2018, 35, 121-136.	2.8	20
18	Quality by Design-Based Crystallization of Curcumin Using Liquid Antisolvent Precipitation: Micromeritic, Biopharmaceutical, and Stability Aspects. Assay and Drug Development Technologies, 2020, 18, 11-33.	1.2	16

#	Article	IF	Citations
19	Terbinafine hydrochloride loaded nanoemulsion based gel for topical application. Journal of Pharmaceutical Investigation, 2015, 45, 79-89.	5.3	15
20	Oral Targeting of Protein Kinase C Receptor: Promising Route for Diabetic Retinopathy?. Current Drug Delivery, 2012, 9, 405-413.	1.6	15
21	5-Fluorouracil enteric-coated nanoparticles for improved apoptotic activity and therapeutic index in treating colorectal cancer. Drug Delivery, 2016, 23, 2902-2910.	5.7	14
22	Dysregulation of LIMKâ€1/cofilinâ€1 pathway: A possible basis for alteration of neuronal morphology in experimental cerebral malaria. Annals of Neurology, 2017, 82, 429-443.	5.3	13
23	Spray bandage strategy in topical drug delivery. Journal of Drug Delivery Science and Technology, 2018, 43, 113-121.	3.0	9
24	Current concepts and clinical importance of glycemic variability. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2021, 15, 627-636.	3.6	7
25	Overcoming hydrolytic degradation challenges in topical delivery: non-aqueous nano-emulsions. Expert Opinion on Drug Delivery, 2022, 19, 23-45.	5.0	6
26	Bioformulative concepts on intracellular organ specific bioavailability. Therapeutic Delivery, 2018, 9, 775-796.	2.2	4
27	Fabrication of novel bio-compatible cefixime nanoparticles using chitosan and Azadirachta indica fruit mucilage as natural polymers. Journal of Drug Delivery Science and Technology, 2021, 66, 102750.	3.0	4
28	Review on nutraceuticals: phase transition from preventive to protective care. Journal of Complementary and Integrative Medicine, 2022, 19, 553-570.	0.9	4
29	Peptidylarginine deiminase-4: Medico-formulative strategy towards management of rheumatoid arthritis. Biochemical Pharmacology, 2022, 200, 115040.	4.4	3
30	Towards next-generation personalization of tacrolimus treatment: a review on advanced diagnostic and therapeutic approaches. Pharmacogenomics, 2021, 22, 1151-1175.	1.3	2
31	Prospective of managing impaired brain insulin signalling in late onset Alzheimers disease with excisting diabetic drugs. Journal of Diabetes and Metabolic Disorders, 2019, 18, 229-242.	1.9	1
32	A simple sensitive UFLC-MS/MS method for the simultaneous quantification of artesunate, dihydroartemisinin and quercetin in rat plasma and its application to pharmacokinetic studies. RSC Advances, 2019, 9, 41794-41802.	3.6	1
33	Personalized nano tools for the treatment of metabolic disorders. Recent Innovations in Chemical Engineering, 2021, 14, .	0.4	1
34	Theoretical Formulation Strategies towards Neutralizing Inter-individual Variability Associated with Tacrolimus Immunosuppressant Therapy: A Case Study on Nextgeneration Personalized Medicine. Current Drug Metabolism, 2021, 22, 939-956.	1.2	1
35	Evolving era of "spongesâ€: Nanosponges as a versatile nanocarrier for the effective skin delivery of drugs. Current Pharmaceutical Design, 2022, 28, .	1.9	0