

Gowthamarajan Kuppusamy

List of Publications by Year in descending order

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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	Overcoming hydrolytic degradation challenges in topical delivery: non-aqueous nano-emulsions. Expert Opinion on Drug Delivery, 2022, 19, 23-45.	5.0	6
2	Review on nutraceuticals: phase transition from preventive to protective care. Journal of Complementary and Integrative Medicine, 2022, 19, 553-570.	0.9	4
3	Peptidylarginine deiminase-4: Medico-formulative strategy towards management of rheumatoid arthritis. Biochemical Pharmacology, 2022, 200, 115040.	4.4	3
4	Evolving era of "sponges": Nanosponges as a versatile nanocarrier for the effective skin delivery of drugs. Current Pharmaceutical Design, 2022, 28, .	1.9	0
5	Antiviral and immunomodulatory activity of curcumin: A case for prophylactic therapy for COVID-19. Heliyon, 2021, 7, e06350.	3.2	86
6	Current concepts and clinical importance of glycemic variability. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2021, 15, 627-636.	3.6	7
7	Personalized nano tools for the treatment of metabolic disorders. Recent Innovations in Chemical Engineering, 2021, 14, .	0.4	1
8	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
9	Towards next-generation personalization of tacrolimus treatment: a review on advanced diagnostic and therapeutic approaches. Pharmacogenomics, 2021, 22, 1151-1175.	1.3	2
10	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
11	Metformin in breast cancer: preclinical and clinical evidence. Current Problems in Cancer, 2020, 44, 100488.	2.0	81
12	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
13	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
14	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
15	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
16	Nano-facilitated drug delivery strategies in the treatment of plasmodium infection. Acta Tropica, 2019, 195, 103-114.	2.0	23
17	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
18	Formulation and optimization of intranasal nanolipid carriers of pioglitazone for the repurposing in Alzheimer's disease using Box-Behnken design. Drug Development and Industrial Pharmacy, 2019, 45, 1061-1072.	2.0	58

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19	Scope of new formulation approaches in the repurposing of pioglitazone for the management of Alzheimer's disease. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2019, 44, 337-348.	1.5	28
20	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. <i>RSC Advances</i> , 2019, 9, 41794-41802.	3.6	1
21	Ameliorating the <i>in vivo</i> antimalarial efficacy of artemether using nanostructured lipid carriers. <i>Journal of Microencapsulation</i> , 2018, 35, 121-136.	2.8	20
22	Affibody molecules for molecular imaging and targeted drug delivery in the management of breast cancer. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 906-919.	7.5	22
23	Spray bandage strategy in topical drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 113-121.	3.0	9
24	Bioformulative concepts on intracellular organ specific bioavailability. <i>Therapeutic Delivery</i> , 2018, 9, 775-796.	2.2	4
25	Application of quality-by-design approach to optimize diallyl disulfide-loaded solid lipid nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 474-488.	2.8	29
26	Dysregulation of LIMK/cofilin pathway: A possible basis for alteration of neuronal morphology in experimental cerebral malaria. <i>Annals of Neurology</i> , 2017, 82, 429-443.	5.3	13
27	A novel vesicular transdermal delivery of nifedipine α preparation, characterization and <i>in vitro</i> / <i>in vivo</i> evaluation. <i>Drug Delivery</i> , 2016, 23, 619-630.	5.7	29
28	Curcumin loaded chitosan nanoparticles impregnated into collagen-alginate scaffolds for diabetic wound healing. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 1519-1529.	7.5	266
29	5-Fluorouracil enteric-coated nanoparticles for improved apoptotic activity and therapeutic index in treating colorectal cancer. <i>Drug Delivery</i> , 2016, 23, 2902-2910.	5.7	14
30	Current and emerging therapies in the management of diabetic foot ulcers. <i>Current Medical Research and Opinion</i> , 2016, 32, 519-542.	1.9	46
31	Lipid-based nanocarriers for breast cancer treatment α comprehensive review. <i>Drug Delivery</i> , 2016, 23, 1291-1305.	5.7	73
32	Terbinafine hydrochloride loaded nanoemulsion based gel for topical application. <i>Journal of Pharmaceutical Investigation</i> , 2015, 45, 79-89.	5.3	15
33	Physicochemical characterization and toxicological evaluation of plant-based anionic polymers and their nanoparticulated system for ocular delivery. <i>Nanotoxicology</i> , 2014, 8, 843-855.	3.0	23
34	A review on novel vesicular drug delivery: proniosomes. <i>Drug Delivery</i> , 2014, 21, 243-249.	5.7	85
35	Oral Targeting of Protein Kinase C Receptor: Promising Route for Diabetic Retinopathy?. <i>Current Drug Delivery</i> , 2012, 9, 405-413.	1.6	15