

Monica Gulati

List of Publications by Year in descending order

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77
papers

2,235
citations

172207
29
h-index

253896
43
g-index

77
all docs

77
docs citations

77
times ranked

2055
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipophilic drug derivatives in liposomes. <i>International Journal of Pharmaceutics</i> , 1998, 165, 129-168.	2.6	198
2	A comparative study of top-down and bottom-up approaches for the preparation of nanosuspensions of glipizide. <i>Powder Technology</i> , 2014, 256, 436-449.	2.1	104
3	Increasing complexity and interactions of oxidative stress in chronic respiratory diseases: An emerging need for novel drug delivery systems. <i>Chemico-Biological Interactions</i> , 2019, 299, 168-178.	1.7	96
4	Application of Liposomes in Treatment of Rheumatoid Arthritis: Quo Vadis. <i>Scientific World Journal</i> , The, 2014, 2014, 1-17.	0.8	85
5	Biomedical applications of metallic nanoparticles in cancer: Current status and future perspectives. <i>Biomedicine and Pharmacotherapy</i> , 2022, 150, 112951.	2.5	85
6	Anti-inflammatory and anticancer activities of Naringenin-loaded liquid crystalline nanoparticles in vitro. <i>Journal of Food Biochemistry</i> , 2021, 45, e13572.	1.2	77
7	Solid self-nanoemulsifying drug delivery systems for oral delivery of polypeptide-k: Formulation, optimization, in-vitro and in-vivo antidiabetic evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 297-315.	1.9	73
8	Multi-drug resistant Mycobacterium tuberculosis & oxidative stress complexity: Emerging need for novel drug delivery approaches. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1218-1229.	2.5	68
9	Targeting neutrophils using novel drug delivery systems in chronic respiratory diseases. <i>Drug Development Research</i> , 2020, 81, 419-436.	1.4	59
10	Harnessing amphiphilic polymeric micelles for diagnostic and therapeutic applications: Breakthroughs and bottlenecks. <i>Journal of Controlled Release</i> , 2021, 334, 64-95.	4.8	57
11	The Why, Where, Who, How, and What of the vesicular delivery systems. <i>Advances in Colloid and Interface Science</i> , 2019, 271, 101985.	7.0	54
12	Aquasomes: a promising carrier for peptides and protein delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 419-426.	1.7	53
13	Optimization of spray drying process for formulation of solid dispersion containing polypeptide-k powder through quality by design approach. <i>Powder Technology</i> , 2015, 284, 1-11.	2.1	53
14	Facts, fallacies and future of dissolution testing of polysaccharide based colon-specific drug delivery. <i>Journal of Controlled Release</i> , 2014, 178, 55-62.	4.8	51
15	Modified apple polysaccharide capped gold nanoparticles for oral delivery of insulin. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 976-988.	3.6	45
16	Effect of co-administration of probiotics with polysaccharide based colon targeted delivery systems to optimize site specific drug release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 164-172.	2.0	42
17	Role of synbiotics in polysaccharide assisted colon targeted microspheres of mesalamine for the treatment of ulcerative colitis. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 438-450.	3.6	41
18	Exploring role of probiotics and Ganoderma lucidum extract powder as solid carriers to solidify liquid self-nanoemulsifying delivery systems loaded with curcumin. <i>Carbohydrate Polymers</i> , 2020, 250, 116996.	5.1	41

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19	Delivery routes for faecal microbiota transplants: Available, anticipated and aspired. <i>Pharmacological Research</i> , 2020, 159, 104954.	3.1	41
20	Formulation and characterization of glibenclamide and quercetin-loaded chitosan nanogels targeting skin permeation. <i>Therapeutic Delivery</i> , 2019, 10, 281-293.	1.2	39
21	Impact of various solid carriers and spray drying on pre/post compression properties of solid SNEDDS loaded with glimepiride: <i>in vitro-ex vivo</i> evaluation and cytotoxicity assessment. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1056-1069.	0.9	38
22	Impact of spray drying over conventional surface adsorption technique for improvement in micromeritic and biopharmaceutical characteristics of self-nanoemulsifying powder loaded with two lipophilic as well as gastrointestinal labile drugs. <i>Powder Technology</i> , 2018, 326, 425-442.	2.1	38
23	Impact of solid carriers and spray drying on pre/post-compression properties, dissolution rate and bioavailability of solid self-nanoemulsifying drug delivery system loaded with simvastatin. <i>Powder Technology</i> , 2018, 338, 836-846.	2.1	38
24	Solid lipid nanoparticles containing anti-tubercular drugs attenuate the <i>Mycobacterium marinum</i> infection. <i>Tuberculosis</i> , 2020, 125, 102008.	0.8	37
25	Identification of biomarkers and genetic approaches toward chronic obstructive pulmonary disease. <i>Journal of Cellular Physiology</i> , 2019, 234, 16703-16723.	2.0	35
26	Nanostructured Lipid Carriers of Pioglitazone Loaded Collagen/Chitosan Composite Scaffold for Diabetic Wound Healing. <i>Advances in Wound Care</i> , 2019, 8, 499-513.	2.6	34
27	Efficacy of co-administration of modified apple polysaccharide and probiotics in guar gum-Eudragit S100 based mesalamine mini tablets: A novel approach in treating ulcerative colitis. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 427-435.	3.6	34
28	A novel dissolution method for evaluation of polysaccharide based colon specific delivery systems: A suitable alternative to animal sacrifice. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 73, 72-80.	1.9	31
29	Protective effect of co-administration of curcumin and sildenafil in alcohol induced neuropathy in rats. <i>European Journal of Pharmacology</i> , 2017, 805, 58-66.	1.7	29
30	Prodrugs, phospholipids and vesicular delivery - An effective triumvirate of pharmacosomes. <i>Advances in Colloid and Interface Science</i> , 2018, 253, 35-65.	7.0	27
31	Nanocarriers for treatment of dermatological diseases: Principle, perspective and practices. <i>European Journal of Pharmacology</i> , 2021, 890, 173691.	1.7	25
32	Characterization of solid state forms of glipizide. <i>Powder Technology</i> , 2014, 264, 365-376.	2.1	24
33	Development of mushroom polysaccharide and probiotics based solid self-nanoemulsifying drug delivery system loaded with curcumin and quercetin to improve their dissolution rate and permeability: State of the art. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 744-757.	3.6	24
34	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. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102083.	1.4	23
35	Combination therapy of curcumin and fecal microbiota transplant: Potential treatment of polycystic ovarian syndrome. <i>Medical Hypotheses</i> , 2021, 154, 110644.	0.8	21
36	Advances in designing of polymeric micelles for biomedical application in brain related diseases. <i>Chemico-Biological Interactions</i> , 2022, 361, 109960.	1.7	21

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37	Self-nanoemulsifying composition containing curcumin, quercetin, Ganoderma lucidum extract powder and probiotics for effective treatment of type 2 diabetes mellitus in streptozotocin induced rats. <i>International Journal of Pharmaceutics</i> , 2022, 612, 121306.	2.6	20
38	Effect of co-administration of probiotics with guar gum, pectin and eudragit S100 based colon targeted mini tablets containing 5-Fluorouracil for site specific release. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102004.	1.4	18
39	Expanding the arsenal against pulmonary diseases using surface-functionalized polymeric micelles: breakthroughs and bottlenecks. <i>Nanomedicine</i> , 2022, 17, 881-911.	1.7	18
40	A three-pronged formulation approach to improve oral bioavailability and therapeutic efficacy of two lipophilic drugs with gastric lability. <i>Drug Delivery and Translational Research</i> , 2019, 9, 848-865.	3.0	17
41	OUTBREAK of novel corona virus disease (COVID-19): Antecedence and aftermath. <i>European Journal of Pharmacology</i> , 2020, 884, 173381.	1.7	17
42	Quality by Design-Based Crystallization of Curcumin Using Liquid Antisolvent Precipitation: Micromeritic, Biopharmaceutical, and Stability Aspects. <i>Assay and Drug Development Technologies</i> , 2020, 18, 11-33.	0.6	16
43	Rutin-loaded liquid crystalline nanoparticles attenuate oxidative stress in bronchial epithelial cells: a PCR validation. <i>Future Medicinal Chemistry</i> , 2021, 13, 543-549.	1.1	16
44	A Systematic Review on Synthetic Drugs and Phytopharmaceuticals Used to Manage Diabetes. <i>Current Diabetes Reviews</i> , 2020, 16, 340-356.	0.6	16
45	Fail-safe nano-formulation of prodrug of sulfapyridine: Preparation and evaluation for treatment of rheumatoid arthritis. <i>Materials Science and Engineering C</i> , 2021, 118, 111332.	3.8	15
46	Combination therapy of vanillic acid and oxaliplatin co-loaded in polysaccharide based functionalized polymeric micelles could offer effective treatment for colon cancer: A hypothesis. <i>Medical Hypotheses</i> , 2021, 156, 110679.	0.8	15
47	Solidification of liquid Modified Apple Polysaccharide by its adsorption on solid porous carriers through spray drying and evaluation of its potential as binding agent for tablets. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1975-1998.	3.6	14
48	Unravelling the molecular mechanisms underlying chronic respiratory diseases for the development of novel therapeutics via in vitro experimental models. <i>European Journal of Pharmacology</i> , 2022, 919, 174821.	1.7	13
49	Stable Co-crystals of Glipizide with Enhanced Dissolution Profiles: Preparation and Characterization. <i>AAPS PharmSciTech</i> , 2017, 18, 2454-2465.	1.5	12
50	Treatment Strategies Against Diabetic Foot Ulcer: Success so Far and the Road Ahead. <i>Current Diabetes Reviews</i> , 2021, 17, 421-436.	0.6	12
51	Preparation and Evaluation of Gefitinib Containing Nanoliposomal Formulation for Lung Cancer Therapy. <i>BioNanoScience</i> , 2022, 12, 241-255.	1.5	12
52	Recent Progress in Development of Dressings Used for Diabetic Wounds with Special Emphasis on Scaffolds. <i>BioMed Research International</i> , 2022, 2022, 1-43.	0.9	12
53	A Review on Plant Flavonoids as Potential Anticancer Agents. <i>Current Organic Chemistry</i> , 2021, 25, 737-747.	0.9	11
54	Flavonoids as Potential Therapeutic Agents for the Management of Diabetic Neuropathy. <i>Current Pharmaceutical Design</i> , 2020, 26, 5468-5487.	0.9	11

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55	Nutraceuticals and mitochondrial oxidative stress: bridging the gap in the management of bronchial asthma. <i>Environmental Science and Pollution Research</i> , 2022, 29, 62733-62754.	2.7	11
56	Antimicrobial peptides: A plausible approach for COVID-19 treatment. <i>Expert Opinion on Drug Discovery</i> , 2022, 17, 473-487.	2.5	10
57	Journey of <i>Alpinia galanga</i> from kitchen spice to nutraceutical to folk medicine to nanomedicine. <i>Journal of Ethnopharmacology</i> , 2022, 291, 115144.	2.0	10
58	Topical non-aqueous nanoemulsion of <i>Alpinia galanga</i> extract for effective treatment in psoriasis: In vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2022, 624, 121882.	2.6	10
59	Development of modified apple polysaccharide capped silver nanoparticles loaded with mesalamine for effective treatment of ulcerative colitis. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 101980.	1.4	9
60	Sweet pepper and its principle constituent capsiate: functional properties and health benefits. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, , 1-25.	5.4	9
61	Comparison of sildenafil, fluoxetine and its co-administration against chronic constriction injury induced neuropathic pain in rats: An influential additive effect. <i>Neurological Research</i> , 2019, 41, 875-882.	0.6	8
62	Exploring role of polysaccharides present in <i>Ganoderma lucidium</i> extract powder and probiotics as solid carriers in development of liquisolid formulation loaded with quercetin: A novel study. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1630-1639.	3.6	7
63	Role of Chromatograph-based Analytical Techniques in Quantification of Chiral Compounds: An Update. <i>Current Analytical Chemistry</i> , 2021, 17, 355-373.	0.6	6
64	Novel biorelevant dissolution medium as a prognostic tool for polysaccharide-based colon-targeted drug delivery system. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2017, 8, 150.	0.4	6
65	Discovery and Development of Antibacterial Agents: Fortuitous and Designed. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 984-1029.	1.1	6
66	Overcoming hydrolytic degradation challenges in topical delivery: non-aqueous nano-emulsions. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 23-45.	2.4	6
67	Application of self-emulsifying delivery systems for effective delivery of nutraceuticals. , 2016, , 479-518.		5
68	Effect of Co-Administration of Herbal Extracts with Copper Nanoparticles: A Novel Two-Pronged Approach in Treating Type 2 Diabetes. <i>Recent Innovations in Chemical Engineering</i> , 2021, 13, 366-378.	0.2	4
69	Quality by design-based optimization of formulation parameters to develop quercetin nanosuspension for improving its biopharmaceutical properties. <i>South African Journal of Botany</i> , 2022, 149, 798-806.	1.2	4
70	Biomedical Applications of polymeric micelles in the treatment of diabetes mellitus: Current success and future approaches. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 771-793.	2.4	4
71	Expanding arsenal against diabetic wounds using nanomedicines and nanomaterials: Success so far and bottlenecks. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103534.	1.4	4
72	The two faces of capsiate: Nutraceutical and therapeutic potential. <i>Trends in Food Science and Technology</i> , 2021, 110, 332-348.	7.8	2

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73	Fecal Microbiota Transplant: Latest Addition to Arsenal Against Recurrent Clostridium Difficile Infection. Recent Patents on Anti-infective Drug Discovery, 2020, 15, .	0.5	2
74	Quality by Design-based Optimization of Formulation and Process Variables for Controlling Particle Size and Zeta Potential of Spray Dried Incinerated Copper Nanosuspension. Recent Innovations in Chemical Engineering, 2019, 12, 248-260.	0.2	2
75	Lozenges as Delivery System for Upper Respiratory Catarrh Medication. Recent Patents on Drug Delivery and Formulation, 2014, 8, 92-100.	2.1	2
76	Triumvirate to treat mucormycosis: Interplay of pH, metal ions and antifungal drugs. Medical Hypotheses, 2022, 159, 110748.	0.8	1
77	Nanoscale self-assembling prodrugs of sulfapyridine for treatment of arthritis: Harnessing the dual approach. Medical Hypotheses, 2022, 165, 110896.	0.8	1