

# Jitender Madan

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,889  
citations

257450

24  
h-index

302126

39  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly (ethylene)-glycol conjugated solid lipid nanoparticles of noscapine improve biological half-life, brain delivery and efficacy in glioblastoma cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 492-503.	3.3	116
2	Comparative study of transfersomes, liposomes, and niosomes for topical delivery of 5-fluorouracil to skin cancer cells. <i>Anti-Cancer Drugs</i> , 2011, 22, 774-782.	1.4	96
3	In-vitro in-vivo correlation (IVIVC) in nanomedicine: Is protein corona the missing link?. <i>Biotechnology Advances</i> , 2017, 35, 889-904.	11.7	89
4	Evaluation of neuropeptide loaded trimethyl chitosan nanoparticles for nose to brain delivery. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 189-195.	7.5	87
5	Improved cisplatin delivery in cervical cancer cells by utilizing folate-grafted non-aggregated gelatin nanoparticles. <i>Biomedicine and Pharmacotherapy</i> , 2015, 69, 1-10.	5.6	69
6	Inhalable nanostructured lipid particles of 9-bromo-noscapine, a tubulin-binding cytotoxic agent: In vitro and in vivo studies. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 219-230.	9.4	61
7	Long-circulating poly(ethylene glycol)-grafted gelatin nanoparticles customized for intracellular delivery of noscapine. <i>Anti-Cancer Drugs</i> , 2011, 22, 543-555.	1.4	56
8	Inhalable Particles Containing Rapamycin for Induction of Autophagy in Macrophages Infected with <i>Mycobacterium tuberculosis</i> . <i>Molecular Pharmaceutics</i> , 2014, 11, 1201-1207.	4.6	55
9	Soluble curcumin amalgamated chitosan microspheres augmented drug delivery and cytotoxicity in colon cancer cells: In vitro and in vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 674-683.	5.0	47
10	Solid self emulsifying drug delivery system: Superior mode for oral delivery of hydrophobic cargos. <i>Journal of Controlled Release</i> , 2021, 337, 646-660.	9.9	47
11	Carbohydrate modified ultrafine ceramic nanoparticles for allergen immunotherapy. <i>International Immunopharmacology</i> , 2011, 11, 925-931.	3.8	45
12	Sterically stabilized gelatin microassemblies of noscapine enhance cytotoxicity, apoptosis and drug delivery in lung cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 107, 235-244.	5.0	44
13	Oral controlled and sustained drug delivery systems. , 2018, , 567-626.		39
14	Inhalable bioresponsive chitosan microspheres of doxorubicin and soluble curcumin augmented drug delivery in lung cancer cells. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 50-58.	7.5	38
15	Combined adjuvant-delivery system for new generation vaccine antigens: alliance has its own advantage. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 818-831.	2.8	38
16	Inclusion complexes of noscapine in $\beta$ -cyclodextrin offer better solubility and improved pharmacokinetics. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 537-548.	2.3	37
17	Stealth recombinant human serum albumin nanoparticles conjugating 5-fluorouracil augmented drug delivery and cytotoxicity in human colon cancer, HT-29 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 200-208.	5.0	33
18	Chloro and bromo-pyrazole curcumin Knoevenagel condensates augmented anticancer activity against human cervical cancer cells: design, synthesis, <i>in silico</i> docking and <i>in vitro</i> cytotoxicity analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 200-218.	3.5	33

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19	Cyclodextrin Complexes of Reduced Bromonoscipine in Guar Gum Microspheres Enhance Colonic Drug Delivery. <i>Molecular Pharmaceutics</i> , 2014, 11, 4339-4349.	4.6	31
20	Noscapine and its Analogs as Chemotherapeutic Agent: Current updates. <i>Current Topics in Medicinal Chemistry</i> , 2016, 17, 174-188.	2.1	31
21	Molecular Cycloencapsulation Augments Solubility and Improves Therapeutic Index of Brominated Noscapine in Prostate Cancer Cells. <i>Molecular Pharmaceutics</i> , 2012, 9, 1470-1480.	4.6	29
22	Biological Evaluation of Noscapine analogues as Potent and Microtubule-Targeted Anticancer Agents. <i>Scientific Reports</i> , 2019, 9, 19542.	3.3	29
23	Enhanced noscapine delivery using estrogen-receptor-targeted nanoparticles for breast cancer therapy. <i>Anti-Cancer Drugs</i> , 2014, 25, 704-716.	1.4	26
24	Nanoparticulate mediated transcutaneous immunization: Myth or reality. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1063-1081.	3.3	26
25	Chloroquine diphosphate bearing dextran nanoparticles augmented drug delivery and overwhelmed drug resistance in <i>Plasmodium falciparum</i> parasites. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 161-168.	7.5	26
26	4-Bromo-4- <sup>TM</sup> -chloro pyrazoline analog of curcumin augmented anticancer activity against human cervical cancer, HeLa cells: <i>in silico</i> -guided analysis, synthesis, and <i>in vitro</i> cytotoxicity. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1335-1353.	3.5	26
27	Chitosan and phospholipid assisted topical fusidic acid drug delivery in burn wound: Strategies to conquer pharmaceutical and clinical challenges, opportunities and future panorama. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 325-335.	7.5	26
28	Wheat germ agglutinin anchored chitosan microspheres of reduced brominated derivative of noscapine ameliorated acute inflammation in experimental colitis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 225-235.	5.0	23
29	Telmisartan complex augments solubility, dissolution and drug delivery in prostate cancer cells. <i>Carbohydrate Polymers</i> , 2014, 101, 614-622.	10.2	22
30	Evolution of Nanotechnology in Delivering Drugs to Eyes, Skin and Wounds via Topical Route. <i>Pharmaceutics</i> , 2020, 13, 167.	3.8	22
31	Fundamental Aspects of Lipid-Based Excipients in Lipid-Based Product Development. <i>Pharmaceutics</i> , 2022, 14, 831.	4.5	22
32	Inclusion complex of colchicine in hydroxypropyl- $\beta$ -cyclodextrin tenders better solubility and improved pharmacokinetics. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 313-322.	2.4	21
33	Bleomycin sulphate loaded nanostructured lipid particles augment oral bioavailability, cytotoxicity and apoptosis in cervical cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 101-110.	5.0	21
34	Natural plant-derived anticancer drugs nanotherapeutics: a review on preclinical to clinical success. , 2017, , 775-809.		21
35	Biodistribution and Pharmacokinetic Study of Gemcitabine Hydrochloride Loaded Biocompatible Iron-Based Metal Organic Framework. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2827-2841.	3.7	21
36	Stealth lipid coated aquasomes bearing recombinant human interferon- $\beta$ 2b offered prolonged release and enhanced cytotoxicity in ovarian cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2015, 69, 267-276.	5.6	20

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37	Synthesis and characterization of novel 1,3-benzodioxole tagged noscapine based ionic liquids with in silico and in vitro cytotoxicity analysis on HeLa cells. <i>Journal of Molecular Liquids</i> , 2020, 302, 112525.	4.9	20
38	Implications of Nanoscale Based Drug Delivery Systems in Delivery and Targeting Tubulin Binding Agent, Noscapine in Cancer Cells. <i>Current Drug Metabolism</i> , 2012, 13, 1476-1483.	1.2	19
39	Protamine coated proliposomes of recombinant human insulin encased in Eudragit S100 coated capsule offered improved peptide delivery and permeation across Caco-2 cells. <i>Materials Science and Engineering C</i> , 2016, 67, 378-385.	7.3	19
40	Intravaginal administration of metformin hydrochloride loaded cationic niosomes amalgamated with thermosensitive gel for the treatment of polycystic ovary syndrome: In vitro and in vivo studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 161-169.	5.0	19
41	Self healing hydrogels: A new paradigm immunoadjuvant for delivering peptide vaccine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111171.	5.0	19
42	Unbiased membrane permeability parameters for gabapentin using boundary layer approach. <i>AAPS Journal</i> , 2005, 7, E224-E230.	4.4	17
43	Vincristine sulfate loaded dextran microspheres amalgamated with thermosensitive gel offered sustained release and enhanced cytotoxicity in THP-1, human leukemia cells: In vitro and in vivo study. <i>Materials Science and Engineering C</i> , 2016, 61, 113-122.	7.3	17
44	Sigma-2 receptor ligand anchored telmisartan loaded nanostructured lipid particles augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in prostate cancer cells. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 2020-2030.	2.0	16
45	Intratumoral administration of carboplatin bearing poly ( $\mu$ -caprolactone) nanoparticles amalgamated with in situ gel tendered augmented drug delivery, cytotoxicity, and apoptosis in melanoma tumor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 339-348.	5.0	16
46	Optimization of sulfation of okra fruit gum for improved rheological and pharmacological properties. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 1-9.	7.5	16
47	Non-aggregated protamine-coated poly(lactide-co-glycolide) nanoparticles of cisplatin crossed blood-brain barrier, enhanced drug delivery and improved therapeutic index in glioblastoma cells: in vitro studies. <i>Journal of Microencapsulation</i> , 2014, 31, 685-693.	2.8	15
48	Noscapinoids bearing silver nanocrystals augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in B16F1, mouse melanoma skin cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 906-913.	5.6	15
49	Soluble telmisartan bearing poly (ethylene glycol) conjugated chitosan nanoparticles augmented drug delivery, cytotoxicity, apoptosis and cellular uptake in human cervical cancer cells. <i>Materials Science and Engineering C</i> , 2017, 72, 69-76.	7.3	15
50	Tetanus toxoid-loaded cationic non-aggregated nanostructured lipid particles triggered strong humoral and cellular immune responses. <i>Journal of Microencapsulation</i> , 2016, 33, 263-273.	2.8	14
51	Iodinated curcumin bearing dermal cream augmented drug delivery, antimicrobial and antioxidant activities. <i>Journal of Microencapsulation</i> , 2018, 35, 49-61.	2.8	14
52	Galactosylated gelatin nanovectors of doxorubicin inhibit cell proliferation and induce apoptosis in hepatocarcinoma cells. <i>Anti-Cancer Drugs</i> , 2012, 23, 836-845.	1.4	13
53	Ultrasound, microwave and Box-Behnken Design amalgamation offered superior yield of gum from <i>Abelmoschus esculentus</i> : Electrical, chemical and functional peculiarity. <i>Computers and Electronics in Agriculture</i> , 2018, 145, 169-178.	7.7	12
54	Non-small cell lung cancer tumour antigen, MUC-1 peptide-loaded non-aggregated poly (lactide-co-glycolide) nanoparticles augmented cellular uptake in mouse professional antigen-presenting cells: optimisation and characterisation. <i>Journal of Microencapsulation</i> , 2020, 37, 14-28.	2.8	12

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55	Self-assembled nanomicelles of amphiphilic clotrimazole glyceryl-glycine analogue augmented drug delivery, apoptosis and restrained melanoma tumour progression. <i>Materials Science and Engineering C</i> , 2018, 89, 75-86.	7.3	11
56	Armamentarium of nanoscaled lipid drug delivery systems customized for oral administration: In silico docking patronage, absorption phenomenon, preclinical status, clinical status and future prospects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 637-647.	5.0	10
57	Lipid nanoparticles in topical dermal drug delivery: Does chemistry of lipid persuade skin penetration?. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103176.	3.0	10
58	Duloxetine hydrochloride loaded film forming dermal gel enriched with methylcobalamin and geranium oil attenuates paclitaxel-induced peripheral neuropathy in rats. <i>IBRO Reports</i> , 2020, 9, 85-95.	0.3	9
59	Forskolin convalesces memory in high fat diet-induced dementia in wistar rats—Plausible role of pregnane x receptors. <i>Pharmacological Reports</i> , 2018, 70, 161-171.	3.3	8
60	Armamentarium of Cryoprotectants in Peptide Vaccines: Mechanistic Insight, Challenges, Opportunities and Future Prospects. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1-18.	1.9	8
61	Nanosolvated microtubule-modulating chemotherapeutics. <i>Anti-Cancer Drugs</i> , 2013, 24, 327-336.	1.4	7
62	Molecular encapsulation of andrographolide in 2-hydroxypropyl- $\beta$ -cyclodextrin cavity: synthesis, characterization, pharmacokinetic and in vitro antiviral activity analysis against SARS-CoV-2. <i>Heliyon</i> , 2021, 7, e07741.	3.2	7
63	Effect of ampicillin and chloroquine on humoral immune response elicited by bovine albumin encapsulated in liposomes. <i>Acta Pharmaceutica</i> , 2008, 58, 479-487.	2.0	6
64	Meclizine ameliorates memory deficits in streptozotocin-induced experimental dementia in mice: role of nuclear pregnane X receptors. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020, 98, 383-390.	1.4	6
65	Therapeutic potential of quercetin in diabetic foot ulcer: Mechanistic insight, challenges, nanotechnology driven strategies and future prospects. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103575.	3.0	6
66	Novel p-Functionalized Chromen-4-on-3-yl Chalcones Bearing Astonishing Boronic Acid Moiety as MDM2 Inhibitor: Synthesis, Cytotoxic Evaluation and Simulation Studies. <i>Medicinal Chemistry</i> , 2020, 16, 212-228.	1.5	5
67	Does skin permeation kinetics influence efficacy of topical dermal drug delivery system?: Assessment, prediction, utilization, and integration of chitosan biomacromolecule for augmenting topical dermal drug delivery in skin. <i>Journal of Advanced Pharmaceutical Technology and Research</i> , 2021, 12, 345.	1.0	5
68	Acute and Subacute Toxicity Assessment of Andrographolide-2-hydroxypropyl- $\beta$ -cyclodextrin Complex via Oral and Inhalation Route of Administration in Sprague-Dawley Rats. <i>Scientific World Journal</i> , The, 2022, 2022, 1-9.	2.1	5
69	Sustained-release protamine sulphate-impregnated microspheres may reduce the frequent administration of recombinant interferon $\beta$ in ovarian cancer. <i>Anti-Cancer Drugs</i> , 2014, 25, 63-71.	1.4	4
70	Imiquimod-oleic acid prodrug-loaded cream reduced drug crystallinity and induced indistinguishable cytotoxicity and apoptosis in mice melanoma tumour. <i>Journal of Microencapsulation</i> , 2019, 36, 759-774.	2.8	4
71	Protamine sulphate coated poly (lactide-co-glycolide) nanoparticles of MUC-1 peptide improved cellular uptake and cytokine release in mouse antigen presenting cells. <i>Journal of Microencapsulation</i> , 2020, 37, 566-576.	2.8	4
72	Strategy to counteract the pyrazinamide induced hepatotoxicity by developing naringin based Co-amorphous system with supplementary benefits. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103181.	3.0	4

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73	Film forming topical dermal spray of meloxicam attenuated pain and inflammation in carrageenan-induced paw oedema in Sprague Dawley rats. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103195.	3.0	3
74	Luliconazole Topical Dermal Drug Delivery for Superficial Fungal Infections: Penetration Hurdles and Role of Functional Nanomaterials. <i>Current Pharmaceutical Design</i> , 2022, 28, 1611-1620.	1.9	2
75	Decoding the silent walk of COVID-19: Halting its spread using old bullets. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110891.	5.6	1
76	Perspective insights and application of exosomes as a novel tool against neurodegenerative disorders: An expository appraisal. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102526.	3.0	1
77	Inhalable Polymeric Micro and Nano-immunoadjuvants for Developing Therapeutic Vaccines in the Treatment of Non-small Cell Lung Cancer. <i>Current Pharmaceutical Design</i> , 2022, 28, 395-409.	1.9	1
78	Editorial (Thematic Issue: Small and Supramolecular Chemistry in Drug Design, Drug Discovery and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	2.1	0
79	APPLICATION OF CENTRAL COMPOSITE DESIGN AND RESPONSE SURFACE METHODOLOGY FOR OPTIMIZATION OF METAL ORGANIC FRAMEWORK: NOVEL CARRIER FOR DRUG DELIVERY. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 0, , 121-127.	0.3	0
80	Iodinated curcumin as a novel anti-bacterial agent to combat Methicillin-resistant <i>Staphylococcus aureus</i> in bovine mastitis: In silico analysis, synthesis and in vitro evaluation. <i>Letters in Drug Design and Discovery</i> , 2022, 19, .	0.7	0
81	Potential of Phytomolecules in Sync with Nanotechnology to Surmount the Limitations of Current Treatment Options in the Management of Osteoarthritis. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, .	2.4	0