

# Jitendra B Naik

## List of Publications by Year in descending order

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102  
papers

2,181  
citations

201674

27  
h-index

289244

40  
g-index

103  
all docs

103  
docs citations

103  
times ranked

2273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of antihyperglycemic and antihypertensive drug loaded sustained release nanoparticles using spray drying technique: Optimization by Plackett Burman Design. <i>Drying Technology</i> , 2022, 40, 626-637.	3.1	8
2	1D sub 10Ånm nanofabrication of ultrahydrophobic Ag@TiO <sub>2</sub> nanowires and their photocatalytic, UV shielding and antibacterial properties. <i>Advanced Powder Technology</i> , 2022, 33, 103404.	4.1	7
3	Statistical optimization of voriconazole nanoparticles loaded carboxymethyl chitosan-ploxamer based in situ gel for ocular delivery: In vitro, ex vivo, and toxicity assessment. <i>Drug Delivery and Translational Research</i> , 2022, 12, 3063-3082.	5.8	9
4	Preparation and characterization of sustained release pirfenidone loaded microparticles for pulmonary drug delivery: Spray drying approach. <i>Drying Technology</i> , 2021, 39, 337-347.	3.1	25
5	Development and Evaluation of Ibuprofen Loaded Hydrophilic Biocompatible Polymeric Nanoparticles for the Taste Masking and Solubility Enhancement. <i>BioNanoScience</i> , 2021, 11, 21-31.	3.5	11
6	A meticulous overview on drying-based (spray-, freeze-, and spray-freeze) particle engineering approaches for pharmaceutical technologies. <i>Drying Technology</i> , 2021, 39, 1447-1491.	3.1	20
7	Recent advances in phytochemical-based Nano-formulation for drug-resistant Cancer. <i>Medicine in Drug Discovery</i> , 2021, 10, 100082.	4.5	40
8	Development of Glimepiride Loaded Sustained Release Microparticles Using Tubular Microreactor. <i>Micro and Nanosystems</i> , 2021, 13, 344-352.	0.6	1
9	Cellulose bionanocomposites for sustainable planet and people: A global snapshot of preparation, properties, and applications. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100065.	2.6	15
10	Method optimization and analysis of flurbiprofen loaded Eudragit L100 nanoparticles using RP-HPLC technique: A central composite design approach. <i>Materials Today: Proceedings</i> , 2021, 45, 4777-4786.	1.8	8
11	Synthesis and evaluation of UV cross-linked Poly (acrylamide) loaded thymol nanogel for antifungal application in oral candidiasis. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	6
12	Biogenic Synthesis of Silver Nanoparticles Using <i>Streptomyces</i> spp. and their Antifungal Activity Against <i>Fusarium verticillioides</i> . <i>Journal of Cluster Science</i> , 2021, 32, 1299-1309.	3.3	19
13	Preparation of Efavirenz resinate by spray drying using response surface methodology and its physicochemical characterization for taste masking. <i>Drying Technology</i> , 2020, 38, 793-805.	3.1	12
14	Generation of sustained release chitosan nanoparticles for delivery of ketorolac tromethamine: a tubular microreactor approach. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 516-524.	3.4	17
15	Preparation and characterization of artemether loaded solid lipid nanoparticles: a 3 <sup>2</sup> factorial design approach. <i>Materials Technology</i> , 2020, 35, 719-726.	3.0	21
16	Synthesis and evaluation of luliconazole loaded biodegradable nanogels prepared by pH-responsive Poly (acrylic acid) grafted Sodium Carboxymethyl Cellulose using amine based cross linker for topical targeting: In vitro and Ex vivo assessment. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1654-1666.	1.3	12
17	Nanogels as nanocarriers for drug delivery: A review. <i>ADMET and DMPK</i> , 2020, 8, 1-15.	2.1	36
18	Effect of process parameters on the recovery of lactose in an antisolvent acetone/acetone-ethanol mixture: A comparative study based on sonication medium. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105128.	8.2	11

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19	Mucoadhesive Micro-/Nano Carriers in Ophthalmic Drug Delivery: an Overview. <i>BioNanoScience</i> , 2020, 10, 564-582.	3.5	27
20	Development of nanoparticulate sustained release oral drug delivery system for the antihyperglycemic with antihypertensive drug. <i>Materials Technology</i> , 2019, 34, 880-888.	3.0	5
21	Sustainable Drug Delivery of Famotidine Using Chitosan-Functionalized Graphene Oxide as Nanocarrier. <i>Global Challenges</i> , 2019, 3, 1900002.	3.6	12
22	Development of Nateglinide Loaded Graphene Oxide-Chitosan Nanocomposites: Optimization by Box Behnken Design. <i>Micro and Nanosystems</i> , 2019, 11, 142-153.	0.6	3
23	Continuous microchannel precipitation to enhance the solubility of telmisartan with poloxamer 407 using Box-Behnken design approach. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101225.	3.0	14
24	Inclusion of Aceclofenac in Mesoporous Silica Nanoparticles: Drug Release Study and Statistical Optimization of Encapsulation Efficiency by Response Surface Methodology. <i>Materials Technology</i> , 2019, 34, 751-763.	3.0	13
25	Production and evaluation of vildagliptin-loaded poly(D,L-lactide) and poly(D,L-lactide-glycolide) micro-/nanoparticles: Response surface methodology approach. <i>Drying Technology</i> , 2019, 37, 1265-1276.	3.1	16
26	Preparation and characterization of miglitol-loaded Poly (D, L-lactide-co-glycolide) microparticles using high pressure homogenization-solvent evaporation method. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 198-207.	3.4	18
27	Preparation and characterization of ketorolac tromethamine-loaded ethyl cellulose micro-/nanospheres using different techniques. <i>Particulate Science and Technology</i> , 2019, 37, 347-357.	2.1	27
28	Development and Characterization of Glipizide Loaded Sustained Release Nanoparticles. <i>Current Nanomedicine</i> , 2019, 9, 232-242.	0.6	1
29	Development and validation of analytical method for vildagliptin-encapsulated poly-ε-caprolactone microparticles. <i>Materials Today: Proceedings</i> , 2018, 5, 958-964.	1.8	8
30	Effect of multilayered nanostructures on the physico-mechanical properties of ethylene vinyl acetate-based hybrid nanocomposites. <i>Polymer Composites</i> , 2018, 39, 3519-3527.	4.6	6
31	Production of aceclofenac-loaded sustained release micro/nanoparticles using pressure homogenization and spray drying. <i>Drying Technology</i> , 2018, 36, 459-467.	3.1	17
32	Development of vildagliptin loaded Eudragit® microspheres by screening design: in vitro evaluation. <i>Journal of Pharmaceutical Investigation</i> , 2018, 48, 627-637.	5.3	25
33	Preparation And Characterization Of Glipizide Loaded Eudragit Microparticles. <i>Micro and Nanosystems</i> , 2018, 10, .	0.6	2
34	Carrier Based Oral Nano Drug Delivery Framework: A Review. <i>Current Nanomaterials</i> , 2018, 3, 75-85.	0.4	8
35	Development of Biodegradable Glimepiride Loaded Chitosan Nano Particles: A Factorial Design Approach. <i>Current Environmental Engineering</i> , 2018, 5, 68-77.	0.6	7
36	Synthesis and evaluation of gas sensing properties of PANI, PANI/SnO <sub>2</sub> and PANI/SnO <sub>2</sub> /rGO nanocomposites at room temperature. <i>Inorganic Chemistry Communication</i> , 2018, 96, 90-96.	3.9	34

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37	Biodiesel Production in Tubular Microreactor: Optimization by Response Surface Methodology. Arabian Journal for Science and Engineering, 2018, 43, 6133-6141.	3.0	12
38	Advanced microemulsion synthesis and characterization of wollastonite (CaSiO <sub>3</sub> )/polystyrene one-dimensional nanorods with core-shell structures. Particuology, 2017, 30, 118-128.	3.6	11
39	Synthesis and evaluation of gas sensing properties of PANI based graphene oxide nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 218, 14-22.	3.5	74
40	Comparative study of encapsulated vildagliptin microparticles produced by spray drying and solvent evaporation technique. Drying Technology, 2017, 35, 1644-1654.	3.1	30
41	Physico-mechanical properties of nano-polystyrene-decorated graphene oxide-epoxy composites. Polymer International, 2017, 66, 1402-1409.	3.1	16
42	Core-double shell hybrid nanocomposites as multi-functional advanced materials. Polymer Bulletin, 2017, 74, 4681-4700.	3.3	4
43	Design and development of sustained-release glyburide-loaded silica nanoparticles. Bulletin of Materials Science, 2017, 40, 263-270.	1.7	10
44	Screening of process variables to enhance the solubility of famotidine with 2-HydroxyPropyl-β-Cyclodextrin & PVP K-30 by using Plackett-Burman design approach. Materials Science and Engineering C, 2017, 77, 282-292.	7.3	28
45	A statistical study on the development of micro particulate sustained drug delivery system for Losartan potassium by 3 2 factorial design approach. Bulletin of Faculty of Pharmacy, Cairo University, 2017, 55, 19-29.	0.3	17
46	Polystyrene-grafted wollastonite nanofiller for styrene butadiene rubber nanocomposite: rheological, thermal and mechanical studies. Polymer Bulletin, 2017, 74, 1915-1934.	3.3	10
47	Preparation and Characterization of Nateglinide Loaded Hydrophobic Biocompatible Polymer Nanoparticles. Journal of the Institution of Engineers (India): Series D, 2017, 98, 269-277.	1.0	3
48	Development of Ketoprofen Loaded Micro-/nanospheres Using Different Polymers. Current Nanomaterials, 2017, 1, 207-214.	0.4	6
49	CORRELATION OF PORTAL VEIN DIAMETER AND SPLENIC SIZE WITH OESOPHAGEAL VARICES IN CIRRHOSIS OF LIVER. Journal of Evolution of Medical and Dental Sciences, 2017, 6, 5746-5749.	0.1	1
50	Formulation of Diclofenac Sodium-Loaded Ethylcellulose Microparticles Using 23 Factorial Design Approach. Micro and Nanosystems, 2017, 9, .	0.6	2
51	Development of Encapsulated Self Healed Microparticles: Evaluation by RSM. Micro and Nanosystems, 2016, 8, 31-40.	0.6	1
52	Poly-ε-caprolactone-loaded miglitol microspheres for the treatment of type-2 diabetes mellitus using the response surface methodology. Journal of Taibah University Medical Sciences, 2016, 11, 364-373.	0.9	14
53	Preparation and analysis of multi-layered hybrid nanostructures. Applied Clay Science, 2016, 132-133, 668-674.	5.2	11
54	Solvent evaporation and spray drying technique for micro- and nanospheres/particles preparation: A review. Drying Technology, 2016, 34, 1758-1772.	3.1	77

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55	Synthesis of 1-D ZnO nanorods and polypyrrole/1-D ZnO nanocomposites for photocatalysis and gas sensor applications. Bulletin of Materials Science, 2016, 39, 655-665.	1.7	41
56	Flame retarding performance of elastomeric nanocomposites: A review. Polymer Degradation and Stability, 2016, 130, 194-244.	5.8	50
57	Gas Sensitivity Study of Polypyrrole Decorated Graphene Oxide Thick Film. Journal of the Institution of Engineers (India): Series D, 2016, 97, 47-53.	1.0	10
58	Optimization of spray-dried diclofenac sodium-loaded microspheres by screening design. Drying Technology, 2016, 34, 1593-1603.	3.1	28
59	Formulation of metformin hydrochloride nanoparticles by using spray drying technique and in vitro evaluation of sustained release with 32-level factorial design approach. Drying Technology, 2016, 34, 1455-1461.	3.1	34
60	Development of mefenamic acid-loaded polymeric microparticles using solvent evaporation and spray-drying technique. Drying Technology, 2016, 34, 608-617.	3.1	19
61	Formulation and optimisation of famotidine proniosomes: an <i>in vitro</i> and <i>ex vivo</i> study. Journal of Experimental Nanoscience, 2016, 11, 97-110.	2.4	23
62	Investigation on the Development of Losartan Potassium Sustained Release Microspheres by Solvent Evaporation Methods. Micro and Nanosystems, 2016, 7, 190-196.	0.6	6
63	Development and Evaluation of Nateglinide Loaded Polycaprolactone Nanoparticles. Micro and Nanosystems, 2015, 7, 43-48.	0.6	6
64	Biological Denitrification: Screening of Packing Material, Comparison of Denitrification Rate by Pseudomonas aeruginosa and Pseudomonas stutzeri, Application and Design of Bioreactor. Current Environmental Engineering, 2015, 2, 56-63.	0.6	0
65	Development and optimization of sustained release polymeric microparticles by screening design. Journal of Pharmaceutical Investigation, 2015, 45, 349-358.	5.3	1
66	Preparation and statistical optimization of Losartan Potassium loaded nanoparticles using Box Behnken factorial design: Microreactor precipitation. Chemical Engineering Research and Design, 2015, 104, 98-109.	5.6	29
67	Enhanced solubility and bioavailability of lovastatin using stabilized form of self-emulsifying drug delivery system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 481, 63-71.	4.7	28
68	Development of floating chitosan-xanthan beads for oral controlled release of glipizide. International Journal of Pharmaceutical Investigation, 2015, 5, 73.	0.3	37
69	Optimization of sustained release aceclofenac microspheres using response surface methodology. Materials Science and Engineering C, 2015, 48, 197-204.	7.3	23
70	The impact of preparation parameters on sustained release aceclofenac microspheres: A design of experiments. Advanced Powder Technology, 2015, 26, 244-252.	4.1	32
71	Formulation and characterization of ketoprofen embedded polycaprolactone microspheres using solvent evaporation method. ADMET and DMPK, 2015, 3, .	2.1	1
72	Preparation and Evaluation of Sustained Release Venlafaxine HCl Microspheres. Dhaka University Journal of Pharmaceutical Sciences, 2015, 13, 83-91.	0.2	0

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73	Preparation and <i>In Vitro</i> Evaluation of Ethylcellulose and Polymethacrylate Resins Loaded Microparticles Containing Hydrophilic Drug. <i>Journal of Pharmaceutics</i> , 2014, 2014, 1-5.	4.7	9
74	Aceclofenac microspheres: Quality by design approach. <i>Materials Science and Engineering C</i> , 2014, 36, 320-328.	7.3	41
75	Formulation and development of nateglinide loaded sustained release ethyl cellulose microspheres by O/W solvent emulsification technique. <i>Journal of Pharmaceutical Investigation</i> , 2014, 44, 411-422.	5.3	27
76	Sodium alginate/HPMC/liquid paraffin emulsified (o/w) gel beads, by factorial design approach; and in vitro analysis. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 60-68.	2.4	20
77	Chitosan reinforced alginate controlled release beads of losartan potassium: design, formulation and <i>In Vitro</i> evaluation. <i>Journal of Pharmaceutical Investigation</i> , 2014, 44, 243-252.	5.3	31
78	Study of Formulation Variables Influencing Polymeric Microparticles by Experimental Design. <i>ADMET and DMPK</i> , 2014, 2, .	2.1	0
79	Ultrasound assisted synthesis of polythiophene/SnO <sub>2</sub> hybrid nanolatex particles for LPG sensing. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 74, 115-123.	3.6	63
80	Removal of Brilliant Green from wastewater using conventional and ultrasonically prepared poly(acrylic acid) hydrogel loaded with kaolin clay: A comparative study. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 914-923.	8.2	140
81	Preparation and characterization of repaglinide loaded ethylcellulose nanoparticles by solvent diffusion technique using high pressure homogenizer. <i>Journal of Pharmacy Research</i> , 2013, 7, 421-426.	0.4	36
82	Influence of different viscosity grade ethylcellulose polymers on encapsulation and <i>In Vitro</i> release study of drug loaded nanoparticles. <i>Journal of Pharmacy Research</i> , 2013, 7, 414-420.	0.4	30
83	Ultrasound Assisted Miniemulsion Polymerization for Preparation of Polypyrrole-Zinc Oxide (PPy/ZnO) Functional Latex for Liquefied Petroleum Gas Sensing. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 7704-7712.	3.7	92
84	Diclofenac Sodium-Loaded Eudragit® Microspheres: Optimization Using Statistical Experimental Design. <i>Journal of Pharmaceutical Innovation</i> , 2013, 8, 276-287.	2.4	56
85	Ultrasound assisted miniemulsion synthesis of polyaniline/Ag nanocomposite and its application for ethanol vapor sensing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 378, 94-98.	4.7	74
86	Effect of Polymer Concentration on Sustained Release Microparticles of Metformin Hydrochloride Prepared by Using Spray Dryer. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 267-271.	1.9	15
87	Synthesis and Pharmacological Evaluation of Novel 1-(2-(Benzoyl-Substituted-2-phenyl-1H-Indol-5-Carbonyl) Hydrazinyloxy) Vinyl Nitrate Derivatives as Potent Non-Ulcerogenic, Analgesic and Anti-Inflammatory Agents. <i>Medicinal Chemistry</i> , 2010, 6, 211-218.	1.5	2
88	Investigation of Scale Mitigation and Sequestering Properties of Some Polyelectrolytes. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 49, 69-73.	1.9	6
89	Effect of Polymer Concentration on the Dissolution Rates of Pioglitazone Hydrochloride. <i>Polymer-Plastics Technology and Engineering</i> , 2008, 47, 722-725.	1.9	1
90	Esterification Effect of Maleic Anhydride on Surface and Volume Resistivity of Natural Fiber/Polystyrene Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2007, 46, 537-540.	1.9	21

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91	Esterification effect of maleic anhydride on swelling properties of natural fiber/high density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2571-2574.	2.6	39
92	The Compatibilizing Effect of Maleic Anhydride on Swelling Properties of Plant-Fiber-Reinforced Polystyrene Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 923-927.	1.9	21
93	Studies on Electrical Properties of Natural Fiber: HDPE Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 687-693.	1.9	27
94	Effect of Treatment of Maleic Anhydride on Mechanical Properties of Natural Fiber: Polystyrene Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 663-675.	1.9	44
95	Mechanical Properties of Wood Polymer Composites Prepared from Agro-Waste and HDPE. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 511-522.	1.9	17
96	Studies on Electrical Properties of Wood Polymer Composites Based on Agro-Waste and Novolac. <i>Polymer-Plastics Technology and Engineering</i> , 2004, 43, 1085-1091.	1.9	9
97	Studies on swelling properties of wood/polymer composites based on agro-waste and novolac. <i>Advances in Polymer Technology</i> , 2004, 23, 46-50.	1.7	28
98	Studies on Swelling Behavior of Wood-Polymer Composites Based on Agro-Waste and Hdpe in Steam and Water at Ambient Temperature. <i>Polymer-Plastics Technology and Engineering</i> , 1999, 38, 1051-1058.	1.9	13
99	Absorption of water at ambient temperature and steam in wood-polymer composites prepared from agrowaste and polystyrene. <i>Journal of Applied Polymer Science</i> , 1998, 68, 681-686.	2.6	52
100	Absorption of steam and water at ambient temperature in wood polymer composites prepared from agro-waste and Novolac. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1417-1421.	2.6	37
101	Mechanochemical Degradation of Eva-Epdm Blends. <i>Polymer-Plastics Technology and Engineering</i> , 1997, 36, 231-240.	1.9	4
102	Studies on Mechanical Properties of Polyvinyl Chloride Composites. <i>Polymer-Plastics Technology and Engineering</i> , 1997, 36, 489-500.	1.9	10