

Jitendra B Naik

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1871971/publications.pdf>

Version: 2024-02-01

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	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
2	Ultrasound Assisted Miniemulsion Polymerization for Preparation of Polypyrrole-Zinc Oxide (PPy/ZnO) Functional Latex for Liquefied Petroleum Gas Sensing. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7704-7712.	3.7	92
3	Solvent evaporation and spray drying technique for micro- and nanospheres/particles preparation: A review. <i>Drying Technology</i> , 2016, 34, 1758-1772.	3.1	77
4	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
5	Synthesis and evaluation of gas sensing properties of PANI based graphene oxide nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 218, 14-22.	3.5	74
6	Ultrasound assisted synthesis of polythiophene/SnO ₂ hybrid nanolatex particles for LPG sensing. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 74, 115-123.	3.6	63
7	Diclofenac Sodium-Loaded Eudragit® Microspheres: Optimization Using Statistical Experimental Design. <i>Journal of Pharmaceutical Innovation</i> , 2013, 8, 276-287.	2.4	56
8	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
9	Flame retarding performance of elastomeric nanocomposites: A review. <i>Polymer Degradation and Stability</i> , 2016, 130, 194-244.	5.8	50
10	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
11	Aceclofenac microspheres: Quality by design approach. <i>Materials Science and Engineering C</i> , 2014, 36, 320-328.	7.3	41
12	Synthesis of 1-D ZnO nanorods and polypyrrole/1-D ZnO nanocomposites for photocatalysis and gas sensor applications. <i>Bulletin of Materials Science</i> , 2016, 39, 655-665.	1.7	41
13	Recent advances in phytochemical-based Nano-formulation for drug-resistant Cancer. <i>Medicine in Drug Discovery</i> , 2021, 10, 100082.	4.5	40
14	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
15	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
16	Development of floating chitosan-xanthan beads for oral controlled release of glipizide. <i>International Journal of Pharmaceutical Investigation</i> , 2015, 5, 73.	0.3	37
17	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
18	Nanogels as nanocarriers for drug delivery: A review. <i>ADMET and DMPK</i> , 2020, 8, 1-15.	2.1	36

#	ARTICLE	IF	CITATIONS
19	Formulation of metformin hydrochloride nanoparticles by using spray drying technique and in vitro evaluation of sustained release with 32-level factorial design approach. <i>Drying Technology</i> , 2016, 34, 1455-1461.	3.1	34
20	Synthesis and evaluation of gas sensing properties of PANI, PANI/SnO ₂ and PANI/SnO ₂ /rGO nanocomposites at room temperature. <i>Inorganic Chemistry Communication</i> , 2018, 96, 90-96.	3.9	34
21	The impact of preparation parameters on sustained release aceclofenac microspheres: A design of experiments. <i>Advanced Powder Technology</i> , 2015, 26, 244-252.	4.1	32
22	Chitosan reinforced alginate controlled release beads of losartan potassium: design, formulation and in vitro evaluation. <i>Journal of Pharmaceutical Investigation</i> , 2014, 44, 243-252.	5.3	31
23	Influence of different viscosity grade ethylcellulose polymers on encapsulation and in vitro release study of drug loaded nanoparticles. <i>Journal of Pharmacy Research</i> , 2013, 7, 414-420.	0.4	30
24	Comparative study of encapsulated vildagliptin microparticles produced by spray drying and solvent evaporation technique. <i>Drying Technology</i> , 2017, 35, 1644-1654.	3.1	30
25	Preparation and statistical optimization of Losartan Potassium loaded nanoparticles using Box Behnken factorial design: Microreactor precipitation. <i>Chemical Engineering Research and Design</i> , 2015, 104, 98-109.	5.6	29
26	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
27	Enhanced solubility and bioavailability of lovastatin using stabilized form of self-emulsifying drug delivery system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 63-71.	4.7	28
28	Optimization of spray-dried diclofenac sodium-loaded microspheres by screening design. <i>Drying Technology</i> , 2016, 34, 1593-1603.	3.1	28
29	Screening of process variables to enhance the solubility of famotidine with 2-Hydroxypropyl- β -Cyclodextrin & PVP K-30 by using Plackett-Burman design approach. <i>Materials Science and Engineering C</i> , 2017, 77, 282-292.	7.3	28
30	Studies on Electrical Properties of Natural Fiber: HDPE Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2005, 44, 687-693.	1.9	27
31	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
32	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
33	Mucoadhesive Micro-/Nano Carriers in Ophthalmic Drug Delivery: an Overview. <i>BioNanoScience</i> , 2020, 10, 564-582.	3.5	27
34	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
35	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
36	Optimization of sustained release aceclofenac microspheres using response surface methodology. <i>Materials Science and Engineering C</i> , 2015, 48, 197-204.	7.3	23

#	ARTICLE	IF	CITATIONS
37	Formulation and optimisation of famotidine proniosomes: an <i>in vitro</i> and <i>ex vivo</i> study. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 97-110.	2.4	23
38	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
39	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
40	Preparation and characterization of artemether loaded solid lipid nanoparticles: a 3 ² factorial design approach. <i>Materials Technology</i> , 2020, 35, 719-726.	3.0	21
41	Sodium alginate/HPMC/liquid paraffin emulsified (o/w) gel beads, by factorial design approach; and <i>in vitro</i> analysis. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 60-68.	2.4	20
42	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
43	Development of mefenamic acid-loaded polymeric microparticles using solvent evaporation and spray-drying technique. <i>Drying Technology</i> , 2016, 34, 608-617.	3.1	19
44	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
45	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
46	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
47	A statistical study on the development of micro particulate sustained drug delivery system for Losartan potassium by 3 ² factorial design approach. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2017, 55, 19-29.	0.3	17
48	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
49	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
50	Physico-mechanical properties of nano-polystyrene-decorated graphene oxide-epoxy composites. <i>Polymer International</i> , 2017, 66, 1402-1409.	3.1	16
51	Production and evaluation of vildagliptin-loaded poly(DL-lactide) and poly(DL-lactide-glycolide) micro-/nanoparticles: Response surface methodology approach. <i>Drying Technology</i> , 2019, 37, 1265-1276.	3.1	16
52	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
53	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
54	Poly-ε-caprolactone-loaded miglitol microspheres for the treatment of type-2 diabetes mellitus using the response surface methodology. <i>Journal of Taibah University Medical Sciences</i> , 2016, 11, 364-373.	0.9	14

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Biodiesel Production in Tubular Microreactor: Optimization by Response Surface Methodology. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 6133-6141.	3.0	12
59	Sustainable Drug Delivery of Famotidine Using Chitosan-Functionalized Graphene Oxide as Nanocarrier. <i>Global Challenges</i> , 2019, 3, 1900002.	3.6	12
60	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
61	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
62	Preparation and analysis of multi-layered hybrid nanostructures. <i>Applied Clay Science</i> , 2016, 132-133, 668-674.	5.2	11
63	Advanced microemulsion synthesis and characterization of wollastonite (CaSiO ₃)/polystyrene one-dimensional nanorods with core-shell structures. <i>Particuology</i> , 2017, 30, 118-128.	3.6	11
64	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
65	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
66	Studies on Mechanical Properties of Polyvinyl Chloride Composites. <i>Polymer-Plastics Technology and Engineering</i> , 1997, 36, 489-500.	1.9	10
67	Gas Sensitivity Study of Polypyrrole Decorated Graphene Oxide Thick Film. <i>Journal of the Institution of Engineers (India): Series D</i> , 2016, 97, 47-53.	1.0	10
68	Design and development of sustained-release glyburide-loaded silica nanoparticles. <i>Bulletin of Materials Science</i> , 2017, 40, 263-270.	1.7	10
69	Polystyrene-grafted wollastonite nanofiller for styrene butadiene rubber nanocomposite: rheological, thermal and mechanical studies. <i>Polymer Bulletin</i> , 2017, 74, 1915-1934.	3.3	10
70	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
71	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
72	Statistical optimization of voriconazole nanoparticles loaded carboxymethyl chitosan-poloxamer 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

#	ARTICLE	IF	CITATIONS
73	Development and validation of analytical method for vildagliptinencapsulated poly- $\hat{\mu}$ -caprolactone microparticles. <i>Materials Today: Proceedings</i> , 2018, 5, 958-964.	1.8	8
74	Carrier Based Oral Nano Drug Delivery Framework: A Review. <i>Current Nanomaterials</i> , 2018, 3, 75-85.	0.4	8
75	Production of antihyperglycemic and antihypertensive drug loaded sustained release nanoparticles using spray drying technique: Optimization by Placket Burman Design. <i>Drying Technology</i> , 2022, 40, 626-637.	3.1	8
76	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
77	Development of Biodegradable Glimepiride Loaded Chitosan Nano Particles: A Factorial Design Approach. <i>Current Environmental Engineering</i> , 2018, 5, 68-77.	0.6	7
78	1D sub 10 $\hat{\text{A}}$ nm nanofabrication of ultrahydrophobic Ag@TiO ₂ nanowires and their photocatalytic, UV shielding and antibacterial properties. <i>Advanced Powder Technology</i> , 2022, 33, 103404.	4.1	7
79	Investigation of Scale Mitigation and Sequestering Properties of Some Polyelectrolytes. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 49, 69-73.	1.9	6
80	Development and Evaluation of Nateglinide Loaded Polycaprolactone Nanoparticles. <i>Micro and Nanosystems</i> , 2015, 7, 43-48.	0.6	6
81	Development of Ketoprofen Loaded Micro-/nanospheres Using Different Polymers. <i>Current Nanomaterials</i> , 2017, 1, 207-214.	0.4	6
82	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
83	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
84	Investigation on the Development of Losartan Potassium Sustained Release Microspheres by Solvent Evaporation Methods. <i>Micro and Nanosystems</i> , 2016, 7, 190-196.	0.6	6
85	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
86	Mechanochemical Degradation of Eva-Epdm Blends. <i>Polymer-Plastics Technology and Engineering</i> , 1997, 36, 231-240.	1.9	4
87	Core-double shell hybrid nanocomposites as multi-functional advanced materials. <i>Polymer Bulletin</i> , 2017, 74, 4681-4700.	3.3	4
88	Preparation and Characterization of Nateglinide Loaded Hydrophobic Biocompatible Polymer Nanoparticles. <i>Journal of the Institution of Engineers (India): Series D</i> , 2017, 98, 269-277.	1.0	3
89	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
90	Preparation And Characterization Of Glipizide Loaded Eudragit Microparticles. <i>Micro and Nanosystems</i> , 2018, 10, .	0.6	2

#	ARTICLE	IF	CITATIONS
91	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
92	Formulation of Diclofenac Sodium-Loaded Ethylcellulose Microparticles Using 23 Factorial Design Approach. <i>Micro and Nanosystems</i> , 2017, 9, .	0.6	2
93	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
94	Development and optimization of sustained release polymeric microparticles by screening design. <i>Journal of Pharmaceutical Investigation</i> , 2015, 45, 349-358.	5.3	1
95	Development of Encapsulated Self Healed Microparticles: Evaluation by RSM. <i>Micro and Nanosystems</i> , 2016, 8, 31-40.	0.6	1
96	Development of Glimepiride Loaded Sustained Release Microparticles Using Tubular Microreactor. <i>Micro and Nanosystems</i> , 2021, 13, 344-352.	0.6	1
97	CORRELATION OF PORTAL VEIN DIAMETER AND SPLENIC SIZE WITH OESOPHAGEAL VARICES IN CIRRHOSIS OF LIVER. <i>Journal of Evolution of Medical and Dental Sciences</i> , 2017, 6, 5746-5749.	0.1	1
98	Development and Characterization of Glipizide Loaded Sustained Release Nanoparticles. <i>Current Nanomedicine</i> , 2019, 9, 232-242.	0.6	1
99	Formulation and characterization of ketoprofen embedded polycaprolactone microspheres using solvent evaporation method. <i>ADMET and DMPK</i> , 2015, 3, .	2.1	1
100	Study of Formulation Variables Influencing Polymeric Microparticles by Experimental Design. <i>ADMET and DMPK</i> , 2014, 2, .	2.1	0
101	Biological Denitrification: Screening of Packing Material, Comparison of Denitrification Rate by <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas stutzeri</i> , Application and Design of Bioreactor. <i>Current Environmental Engineering</i> , 2015, 2, 56-63.	0.6	0
102	Preparation and Evaluation of Sustained Release Venlafaxine HCl Microspheres. <i>Dhaka University Journal of Pharmaceutical Sciences</i> , 2015, 13, 83-91.	0.2	0