

Bapi Gorain

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

4,674
citations

94433

37
h-index

114465

63
g-index

121
all docs

121
docs citations

121
times ranked

4623
citing authors

#	ARTICLE	IF	CITATIONS
1	An update on natural compounds in the remedy of diabetes mellitus: A systematic review. <i>Journal of Traditional and Complementary Medicine</i> , 2018, 8, 361-376.	2.7	265
2	An overview of application of silver nanoparticles for biomaterials in dentistry. <i>Materials Science and Engineering C</i> , 2018, 91, 881-898.	7.3	242
3	Improvement of cellular uptake, in vitro antitumor activity and sustained release profile with increased bioavailability from a nanoemulsion platform. <i>International Journal of Pharmaceutics</i> , 2014, 460, 131-143.	5.2	169
4	Nanotechnology based approaches for anti-diabetic drugs delivery. <i>Diabetes Research and Clinical Practice</i> , 2018, 136, 52-77.	2.8	136
5	Dendrimer-entrapped gold nanoparticles as promising nanocarriers for anticancer therapeutics and imaging. <i>Progress in Materials Science</i> , 2019, 103, 484-508.	32.8	126
6	Targeted drug delivery to the brain via intranasal nanoemulsion: Available proof of concept and existing challenges. <i>International Journal of Pharmaceutics</i> , 2019, 565, 258-268.	5.2	124
7	Nanoemulsion strategy for olmesartan medoxomil improves oral absorption and extended antihypertensive activity in hypertensive rats. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 286-294.	5.0	123
8	Transferrin receptors-targeting nanocarriers for efficient targeted delivery and transcytosis of drugs into the brain tumors: a review of recent advancements and emerging trends. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1545-1563.	5.8	123
9	Recent Update on Nanoemulgel as Topical Drug Delivery System. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1736-1751.	3.3	118
10	Pharmacokinetic and Pharmacodynamic Features of Nanoemulsion Following Oral, Intravenous, Topical and Nasal Route. <i>Current Pharmaceutical Design</i> , 2017, 23, 2504-2531.	1.9	112
11	Carbon nanotube scaffolds as emerging nanoplatform for myocardial tissue regeneration: A review of recent developments and therapeutic implications. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 496-508.	5.6	112
12	The use of nanoscaffolds and dendrimers in tissue engineering. <i>Drug Discovery Today</i> , 2017, 22, 652-664.	6.4	108
13	Silver nanoparticles: Advanced and promising technology in diabetic wound therapy. <i>Materials Science and Engineering C</i> , 2020, 112, 110925.	7.3	105
14	Recent advances in TPGS-based nanoparticles of docetaxel for improved chemotherapy. <i>International Journal of Pharmaceutics</i> , 2017, 529, 506-522.	5.2	95
15	The use of nanoparticles as biomaterials in dentistry. <i>Drug Discovery Today</i> , 2019, 24, 85-98.	6.4	95
16	Advancement on Sustained Antiviral Ocular Drug Delivery for Herpes Simplex Virus Keratitis: Recent Update on Potential Investigation. <i>Pharmaceutics</i> , 2021, 13, 1.	4.5	95
17	Theranostic application of nanoemulsions in chemotherapy. <i>Drug Discovery Today</i> , 2020, 25, 1174-1188.	6.4	85
18	Paclitaxel loaded vitamin E-TPGS nanoparticles for cancer therapy. <i>Materials Science and Engineering C</i> , 2018, 91, 868-880.	7.3	82

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19	Delivery of Therapeutics from Layer-by-Layer Electrospun Nanofiber Matrix for Wound Healing: An Update. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 635-653.	3.3	81
20	Hyaluronic acid-modified betamethasone encapsulated polymeric nanoparticles: fabrication, characterisation, in vitro release kinetics, and dermal targeting. <i>Drug Delivery and Translational Research</i> , 2019, 9, 520-533.	5.8	78
21	Strategizing biodegradable polymeric nanoparticles to cross the biological barriers for cancer targeting. <i>International Journal of Pharmaceutics</i> , 2019, 565, 509-522.	5.2	75
22	Rising horizon in circumventing multidrug resistance in chemotherapy with nanotechnology. <i>Materials Science and Engineering C</i> , 2019, 101, 596-613.	7.3	71
23	Recent advances in targeted nanomedicine as promising antitumor therapeutics. <i>Drug Discovery Today</i> , 2020, 25, 2227-2244.	6.4	71
24	3D printing for oral drug delivery: a new tool to customize drug delivery. <i>Drug Delivery and Translational Research</i> , 2020, 10, 986-1001.	5.8	69
25	Comparative biodistribution and safety profiling of olmesartan medoxomil oil-in-water oral nanoemulsion. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 82, 20-31.	2.7	67
26	Recent advances in nanoparticles mediated photothermal therapy induced tumor regression. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120848.	5.2	67
27	Development and Optimization of Naringenin-Loaded Chitosan-Coated Nanoemulsion for Topical Therapy in Wound Healing. <i>Pharmaceutics</i> , 2020, 12, 893.	4.5	66
28	Dendrimer entrapped micro sponge gel of dithranol for effective topical treatment. <i>Heliyon</i> , 2019, 5, e01343.	3.2	65
29	Anti-inflammatory activity of <i>Acanthus ilicifolius</i> . <i>Journal of Ethnopharmacology</i> , 2008, 120, 7-12.	4.1	55
30	Understanding the role of ACE-2 receptor in pathogenesis of COVID-19 disease: a potential approach for therapeutic intervention. <i>Pharmacological Reports</i> , 2021, 73, 1539-1550.	3.3	48
31	Environmental and occupational exposure of metals and female reproductive health. <i>Environmental Science and Pollution Research</i> , 2022, 29, 62067-62092.	5.3	47
32	Safety against nephrotoxicity in paclitaxel treatment: Oral nanocarrier as an effective tool in preclinical evaluation with marked in vivo antitumor activity. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 91, 179-189.	2.7	46
33	Perspectives of Nanoemulsion Strategies in The Improvement of Oral, Parenteral and Transdermal Chemotherapy. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 276-292.	1.6	46
34	Intranasal teriflunomide microemulsion: An improved chemotherapeutic approach in glioblastoma. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 276-289.	3.0	44
35	Recent update of toxicity aspects of nanoparticulate systems for drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 161, 100-119.	4.3	44
36	An Updated Overview of the Emerging Role of Patch and Film-Based Buccal Delivery Systems. <i>Pharmaceutics</i> , 2021, 13, 1206.	4.5	43

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37	Formulation development and evaluation of rotigotine mucoadhesive nanoemulsion for intranasal delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101301.	3.0	42
38	Preparation, characterization, and optimization of asenapine maleate mucoadhesive nanoemulsion using Box-Behnken design: In vitro and in vivo studies for brain targeting. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119499.	5.2	41
39	The potential of dendrimer in delivery of therapeutics for dentistry. <i>Heliyon</i> , 2019, 5, e02544.	3.2	39
40	Advanced drug delivery systems containing herbal components for wound healing. <i>International Journal of Pharmaceutics</i> , 2022, 617, 121617.	5.2	38
41	Flavonoids as potential phytotherapeutics to combat cytokine storm in <sc>SARSâ€CoV</sc>â€2. <i>Phytotherapy Research</i> , 2021, 35, 4258-4283.	5.8	36
42	Advanced nanoscale carrier-based approaches to overcome biopharmaceutical issues associated with anticancer drug â€Etoposideâ€™. <i>Materials Science and Engineering C</i> , 2020, 106, 110275.	7.3	35
43	Potential of Stimuli-Responsive In Situ Gel System for Sustained Ocular Drug Delivery: Recent Progress and Contemporary Research. <i>Polymers</i> , 2021, 13, 1340.	4.5	35
44	Exploring the role of mesoporous silica nanoparticle in the development of novel drug delivery systems. <i>Drug Delivery and Translational Research</i> , 2022, 12, 105-123.	5.8	34
45	Promising Drug Delivery Approaches to Treat Microbial Infections in the Vagina: A Recent Update. <i>Polymers</i> , 2021, 13, 26.	4.5	34
46	Type-3c Diabetes Mellitus, Diabetes of Exocrine Pancreas - An Update. <i>Current Diabetes Reviews</i> , 2019, 15, 382-394.	1.3	31
47	Hyaluronic acid functionalized nanoparticles for simultaneous delivery of curcumin and resveratrol for management of chronic diabetic wounds: Fabrication, characterization, stability and in vitro release kinetics. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101747.	3.0	29
48	Recent Advances in Self-Assembled Nanoparticles for Drug Delivery. <i>Current Drug Delivery</i> , 2020, 17, 279-291.	1.6	29
49	Recent Advances in Pharmaceutical Cocrystals: From Bench to Market. <i>Frontiers in Pharmacology</i> , 2021, 12, 780582.	3.5	29
50	Development and Validation of RP-HPLC Method: Scope of Application in the Determination of Oil Solubility of Paclitaxel. <i>Journal of Chromatographic Science</i> , 2014, 52, 68-74.	1.4	28
51	Development and validation of a high throughput LCâ€MS/MS method for simultaneous quantitation of pioglitazone and telmisartan in rat plasma and its application to a pharmacokinetic study. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 381-387.	5.3	28
52	Development and optimization of chitosan coated nanoemulgel of telmisartan for intranasal delivery: A comparative study. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 62, 102341.	3.0	28
53	A novel approach for nanoemulsion components screening and nanoemulsion assay of olmesartan medoxomil through a developed and validated HPLC method. <i>RSC Advances</i> , 2013, 3, 10887.	3.6	26
54	Novel Approaches for the Treatment of Pulmonary Tuberculosis. <i>Pharmaceutics</i> , 2020, 12, 1196.	4.5	26

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55	Nano-enabled strategies to combat methicillin-resistant Staphylococcus aureus. Materials Science and Engineering C, 2021, 129, 112384.	7.3	25
56	Nanoemulsions as Effective Carriers for the Treatment of Lung Cancer. , 2019, , 217-247.		24
57	Budesonide-Loaded Pectin/Polyacrylamide Hydrogel for Sustained Delivery: Fabrication, Characterization and In Vitro Release Kinetics. Molecules, 2021, 26, 2704.	3.8	24
58	The Gastroprotective Role of Acanthus ilicifolius â€“ A Study to Unravel the Underlying Mechanism of Anti-Ulcer Activity. Scientia Pharmaceutica, 2012, 80, 701-717.	2.0	22
59	Antipsychotic Potential and Safety Profile of TPGS-Based Mucoadhesive Aripiprazole Nanoemulsion: Development and Optimization for Nose-To-Brain Delivery. Journal of Pharmaceutical Sciences, 2021, 110, 1761-1778.	3.3	22
60	Tocotrienols-rich naringenin nanoemulgel for the management of diabetic wound: Fabrication, characterization and comparative in vitro evaluations. Current Research in Pharmacology and Drug Discovery, 2021, 2, 100019.	3.6	22
61	Nose-to-brain delivery of amisulpride-loaded lipid-based poloxamer-gellan gum nanoemulgel: In vitro and in vivo pharmacological studies. International Journal of Pharmaceutics, 2021, 607, 121050.	5.2	21
62	Enhanced Solubility and Bioavailability of Dolutegravir by Solid Dispersion Method: In Vitro and In Vivo Evaluationâ€”a Potential Approach for HIV Therapy. AAPS PharmSciTech, 2021, 22, 127.	3.3	20
63	Nose to Brain Delivery of Nanocarriers Towards Attenuation of Demented Condition. Current Pharmaceutical Design, 2020, 26, 2233-2246.	1.9	20
64	Dendrimer-Based Nanocarriers in Lung Cancer Therapy. , 2019, , 161-192.		19
65	Optimized Rivastigmine Nanoparticles Coated with Eudragit for Intranasal Application to Brain Delivery: Evaluation and Nasal Ciliotoxicity Studies. Materials, 2021, 14, 6291.	2.9	19
66	Fighting Strategies Against the Novel Coronavirus Pandemic: Impact on Global Economy. Frontiers in Public Health, 2020, 8, 606129.	2.7	18
67	Drugâ€“Excipient Interaction and Incompatibilities. , 2018, , 363-402.		17
68	Macrophage targeted amphotericin B nanodelivery systems against visceral leishmaniasis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 258, 114571.	3.5	17
69	Adenosine Receptors in Modulation of Central Nervous System Disorders. Current Pharmaceutical Design, 2019, 25, 2808-2827.	1.9	17
70	Adenosine Receptors as Novel Targets for the Treatment of Various Cancers. Current Pharmaceutical Design, 2019, 25, 2828-2841.	1.9	17
71	Multivesicular Liposome: A Lipid-based Drug Delivery System for Efficient Drug Delivery. Current Pharmaceutical Design, 2021, 27, 4404-4415.	1.9	15
72	Development and validation of an HPLCâ€“UV method for simultaneous determination of zidovudine, lamivudine, and nevirapine in human plasma and its application to pharmacokinetic study in human volunteers. Drug Testing and Analysis, 2013, 5, 485-491.	2.6	14

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73	Overexpressed Receptors and Proteins in Lung Cancer. , 2019, , 39-75.		14
74	Formulation development and characterization of lumefantrine nanosuspension for enhanced antimalarial activity. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 833-857.	3.5	14
75	Polymeric micelle-based drug delivery systems for tuberculosis treatment. , 2020, , 175-191.		13
76	Emerging innovations in nano-enabled therapy against age-related macular degeneration: A paradigm shift. International Journal of Pharmaceutics, 2021, 600, 120499.	5.2	13
77	Formulation and characterisation of deferoxamine nanofiber as potential wound dressing for the treatment of diabetic foot ulcer. Journal of Drug Delivery Science and Technology, 2021, 66, 102751.	3.0	13
78	Constant Voltage Iontophoresis Technique to Deliver Terbinafine via Transungual Delivery System: Formulation Optimization Using Boxâ€Behnken Design and In Vitro Evaluation. Pharmaceutics, 2021, 13, 1692.	4.5	13
79	Toxicological assessment of PEG functionalized f-block rare earth phosphate nanorods. Toxicology Research, 2015, 4, 966-975.	2.1	12
80	Quantum dot: heralding a brighter future in neurodegenerative disorders. Journal of Drug Delivery Science and Technology, 2021, 65, 102700.	3.0	12
81	Folic Acid Conjugated Nanocarriers for Efficient Targetability and Promising Anticancer Efficacy for Treatment of Breast Cancer: A Review of Recent Updates. Current Pharmaceutical Design, 2020, 26, 5365-5379.	1.9	12
82	Development and Validation of a Sensitive HPLC-MS/MS-ESI Method for Determination of Febuxostat: Application to Pharmacokinetic Study. Current Analytical Chemistry, 2014, 10, 528-536.	1.2	12
83	Development and Validation of an HPLC Method for Simultaneous Detection and Quantification of Paracetamol and Etodolac in Human Plasma and Its Application to a Pharmacokinetic Study. Journal of AOAC INTERNATIONAL, 2013, 96, 573-579.	1.5	11
84	Dendrimers as Effective Carriers for the Treatment of Brain Tumor. , 2018, , 267-305.		11
85	Mucoadhesive Nanocarriers as a Promising Strategy to Enhance Intracellular Delivery against Oral Cavity Carcinoma. Pharmaceutics, 2022, 14, 795.	4.5	11
86	Role of therapeutic agents on repolarisation of tumour-associated macrophage to halt lung cancer progression. Journal of Drug Targeting, 2020, 28, 166-175.	4.4	10
87	Recent Updates on Novel Approaches in Insulin Drug Delivery: A Review of Challenges and Pharmaceutical Implications. Current Drug Targets, 2018, 19, 1782-1800.	2.1	10
88	Clinical Aspects and Regulatory Requirements for Nanomedicines. , 2019, , 733-752.		9
89	Development of In-Situ Spray for Local Delivery of Antibacterial Drug for Hidradenitis Suppurativa: Investigation of Alternative Formulation. Polymers, 2021, 13, 2770.	4.5	9
90	Three-Dimensional (3-D) Printing Technology Exploited for the Fabrication of Drug Delivery Systems. Current Pharmaceutical Design, 2019, 24, 5019-5028.	1.9	9

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91	Recent Update on Bacteria as a Delivery Carrier in Cancer Therapy: From Evil to Allies. <i>Pharmaceutical Research</i> , 2022, 39, 1115-1134.	3.5	9
92	A Critical Review on Emerging Trends in Dry Powder Inhaler Formulation for the Treatment of Pulmonary Aspergillosis. <i>Pharmaceutics</i> , 2020, 12, 1161.	4.5	8
93	Nanoparticles Based Intranasal Delivery of Drug to Treat Alzheimer's Disease: A Recent Update. <i>CNS and Neurological Disorders - Drug Targets</i> , 2020, 19, 648-662.	1.4	8
94	Advances and Challenges in Intranasal Delivery of Antipsychotic Agents Targeting the Central Nervous System. <i>Frontiers in Pharmacology</i> , 2022, 13, 865590.	3.5	8
95	Dendrimer for solubility enhancement. , 2021, , 273-283.		7
96	Mechanistic Description of Natural Herbs in the Treatment of Dementia: A Systematic Review. <i>Current Psychopharmacology</i> , 2019, 7, 149-164.	0.3	7
97	Development, Optimization, and Evaluation of Luliconazole Nanoemulgel for the Treatment of Fungal Infection. <i>Journal of Chemistry</i> , 2021, 2021, 1-13.	1.9	7
98	Development and Validation of an LC-MS/MS-ESI Method for Comparative Pharmacokinetic Study of Ciprofloxacin in Healthy Male Subjects. <i>Drug Research</i> , 2017, 67, 94-102.	1.7	6
99	Drug Complexation. , 2018, , 473-512.		5
100	Safety and toxicity issues of dendrimers. , 2021, , 143-162.		5
101	Characterization of dendrimers. , 2021, , 125-141.		5
102	Current updates on pharmacological roles of glucagon-like peptide 1 in obesity. <i>Panminerva Medica</i> , 2018, 60, 224-225.	0.8	5
103	A Comparative Pharmacokinetic Study of a Fixed Dose Combination for Essential Hypertensive Patients: A Randomized Crossover Study in Healthy Human Volunteers. <i>Drug Research</i> , 2013, 63, 177-184.	1.7	4
104	An Overview of the Anatomy and Physiology of the Lung. , 2019, , 1-20.		4
105	History and introduction of dendrimers. , 2021, , 1-14.		4
106	Surface engineering of nanoparticles for imparting multifunctionality. , 2022, , 181-210.		4
107	Clinical progress of therapeutics and vaccines: Rising hope against COVID-19 treatment. <i>Process Biochemistry</i> , 2022, 118, 154-170.	3.7	4
108	Sustained-release ginseng/sodium alginate nano hydrogel formulation, characterization, and in vivo assessment to facilitate wound healing. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103565.	3.0	4

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109	Polyester, Polyhydroxyalkanoate Nanoparticles as a Promising Tool for Anticancer Therapeutics. , 2019, , 101-121.		3
110	Physiology of the biological barriers. , 2021, , 79-95.		3
111	An Insight into the Role of Artificial Intelligence in the Early Diagnosis of Alzheimerâ€™s Disease. CNS and Neurological Disorders - Drug Targets, 2022, 21, 901-912.	1.4	3
112	Encapsulation of Ellagic Acid in Di-Block Copolymeric Micelle for Non-Small Cell Lung Cancer Therapy. Science of Advanced Materials, 2021, 13, 66-72.	0.7	3
113	Development and Optimization of Asenapine Sublingual Film Using QbD Approach. AAPS PharmSciTech, 2021, 22, 244.	3.3	3
114	Nanocarrier-based co-delivery approaches of chemotherapeutics with natural P-glycoprotein inhibitors in the improvement of multidrug resistance cancer therapy. Journal of Drug Targeting, 2022, 30, 801-818.	4.4	3
115	Development of HPLC Method for Quantification of Sinigrin from Raphanus sativus Roots and Evaluation of Its Anticancer Potential. Molecules, 2020, 25, 4947.	3.8	2
116	Screening of nanoemulsion components for asenapine maleate using validated RP-HPLC method. Annales Pharmaceutiques Francaises, 2020, 78, 379-387.	1.0	2
117	A randomized two-way crossover comparative pharmacokinetic study of two different tablet formulations containing ilaprazole in healthy human Indian volunteers. Archives of Medicine and Health Sciences, 2014, 2, 160.	0.1	1
118	Arylamine N-acetyl Transferase (NAT) in the blue secretion of Telescopium telescopium: xenobiotic metabolizing enzyme as a biomarker for detection of environmental pollution. SpringerPlus, 2014, 3, 666.	1.2	0
119	Up-to-Date Implications of Nanomaterials in Dental Science. , 2019, , 301-336.		0
120	Nanomedicine for inflammatory bowel disease. , 2021, , 209-233.		0
121	Current Strategies in Breast Cancer Therapy: Role of Epigenetics and Nanomedicine. Particle and Particle Systems Characterization, 0, , 2100276.	2.3	0