

Goutam Rath

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

4,918
citations

87401

40
h-index

124990

64
g-index

126
all docs

126
docs citations

126
times ranked

7358
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical Interventions and Budding Applications of Probiotics in the Treatment and Prevention of Viral Infections. Archives of Medical Research, 2022, 53, 122-130.	1.5	3
2	Nanotherapeutics approaches to overcome P-glycoprotein-mediated multi-drug resistance in cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 40, 102494.	1.7	28
3	Exploring the Potential of Metal Nanoparticles as a Possible Therapeutic Adjunct for Covid-19 Infection. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2022, 92, 511-521.	0.4	6
4	Development and characterization of 5-fluorouracil nanofibrous film for the treatment of stomach cancer. Journal of Drug Delivery Science and Technology, 2021, 61, 102219.	1.4	10
5	Nanofiber: An Immerging Novel Drug Delivery System. , 2021, , 145-152.		0
6	Recent Advancement in Nanotechnology-Based Drug Delivery System Against Viral Infections. AAPS PharmSciTech, 2021, 22, 47.	1.5	31
7	Recent Advancement in Topical Nanocarriers for the Treatment of Psoriasis. AAPS PharmSciTech, 2021, 22, 164.	1.5	15
8	Challenges and Opportunities of Nanotechnological based Approach for the Treatment of Tuberculosis. Current Pharmaceutical Design, 2021, 27, 2026-2040.	0.9	1
9	Recent Advances in Herbal Nanomedicines for Cancer Treatment. Current Molecular Pharmacology, 2021, 14, 292-305.	0.7	11
10	Recent Advances in Clinical Utility of Probiotics in Gastrointestinal Tract Disorders. Current Pharmaceutical Biotechnology, 2021, 22, 1559-1573.	0.9	5
11	Recent advances in colloidal technology for the improved bioavailability of the nutraceuticals. Journal of Drug Delivery Science and Technology, 2021, 65, 102693.	1.4	2
12	Recent trends in nanocarrier based approach in the management of dry eye disease. Journal of Drug Delivery Science and Technology, 2021, 66, 102868.	1.4	2
13	Current trends in chitosan based nanopharmaceuticals for topical vaginal therapies. International Journal of Biological Macromolecules, 2021, 193, 2140-2152.	3.6	9
14	Understanding the Role of Metalloproteinases and Their Inhibitors in Periodontology. Clinical Reviews in Bone and Mineral Metabolism, 2021, 19, 36-49.	1.3	0
15	Inhalable spray dried lipidnanoparticles for the co-delivery of paclitaxel and doxorubicin in lung cancer. Journal of Drug Delivery Science and Technology, 2020, 56, 101502.	1.4	21
16	Recent advances in topical carriers of anti-fungal agents. Heliyon, 2020, 6, e04663.	1.4	48
17	Smart polymeric eye gear: A possible preventive measure against ocular transmission of COVID-19. Medical Hypotheses, 2020, 144, 110288.	0.8	5
18	Topical application of nanoparticles integrated supramolecular hydrogels for the potential treatment of seborrhoeic dermatitis. Pharmaceutical Development and Technology, 2020, 25, 748-756.	1.1	10

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19	Development and characterization of pellets for targeted delivery of 5-fluorouracil and phytic acid for treatment of colon cancer in Wistar rat. <i>Heliyon</i> , 2020, 6, e03125.	1.4	12
20	A Review of Current Interventions for COVID-19 Prevention. <i>Archives of Medical Research</i> , 2020, 51, 363-374.	1.5	227
21	Mucoadhesive formulations: innovations, merits, drawbacks, and future outlook. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 797-814.	1.1	31
22	Identification and Molecular Docking Studies of Bioactive Principles from <i>Alphonsea madraspatana</i> Bedd. against Uropathogens. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 613-625.	0.9	4
23	Formulation and evaluation of UV protective synbiotic skin care topical formulation. <i>Journal of Cosmetic and Laser Therapy</i> , 2019, 21, 332-342.	0.3	16
24	Recent advances in aerosolised drug delivery. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108601.	2.5	94
25	Development of Nanofibrous Ocular Insert for Retinal Delivery of Fluocinolone Acetonide. <i>Current Eye Research</i> , 2019, 44, 541-550.	0.7	30
26	Structure Based Drug Design: Clinically Relevant HIV-1 Integrase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2019, 18, 2664-2680.	1.0	10
27	Non-invasive systemic drug delivery through mucosal routes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 539-551.	1.9	21
28	Recent advances in metal nanoparticles in cancer therapy. <i>Journal of Drug Targeting</i> , 2018, 26, 617-632.	2.1	230
29	Efavirin and nano-gold-loaded mannosylated niosomes: a host cell-targeted topical HIV-1 prophylaxis via thermogel system. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 79-90.	1.9	33
30	Nanofiber in transmucosal drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 379-387.	1.4	44
31	Recent advancement in nanocarriers for oral vaccination. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1102-1114.	1.9	13
32	Development and Characterization of Novel Medicated Nanofiber for the Treatment of Periodontitis. <i>AAPS PharmSciTech</i> , 2018, 19, 3687-3697.	1.5	13
33	Development and Characterization of Gastroretentive High-Density Pellets Lodged With Zero Valent Iron Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2663-2673.	1.6	11
34	Advancement in the treatment of haemophilia. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 289-295.	3.6	9
35	Recent Advances in Nanosuspension Technology for Drug Delivery. <i>Current Pharmaceutical Design</i> , 2018, 24, 2403-2415.	0.9	25
36	Chemotherapy with si-RNA and Anti-Cancer Drugs. <i>Current Drug Delivery</i> , 2018, 15, 300-311.	0.8	15

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37	Nanofibers: An Effective Tool for Controlled and Sustained Drug Delivery. <i>Current Drug Delivery</i> , 2018, 15, 155-166.	0.8	24
38	Development of Drug Targeting and Delivery in Cervical Cancer. <i>Current Cancer Drug Targets</i> , 2018, 18, 792-806.	0.8	10
39	Spray Dried Formulation of 5-Fluorouracil Embedded with Probiotic Biomass: In Vitro and In Vivo Studies. <i>Probiotics and Antimicrobial Proteins</i> , 2017, 9, 310-322.	1.9	8
40	“Fusion and binding inhibition” key target for HIV-1 treatment and pre-exposure prophylaxis: targets, drug delivery and nanotechnology approaches. <i>Drug Delivery</i> , 2017, 24, 608-621.	2.5	17
41	Development and characterization of the cisplatin loaded nanofibers for the treatment of cervical cancer. <i>Materials Science and Engineering C</i> , 2017, 75, 125-132.	3.8	69
42	A novel approach for follicular delivery of minoxidil for treatment of alopecia. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 41, 113-123.	1.4	9
43	“Gold nanoparticles composite-folic acid conjugated graphene oxide nanohybrids” for targeted chemo-thermal cancer ablation: In vitro screening and in vivo studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 351-361.	1.9	67
44	Development, optimization and evaluation of surfactant-based pulmonary nanolipid carrier system of paclitaxel for the management of drug resistance lung cancer using Box-Behnken design. <i>Drug Delivery</i> , 2016, 23, 1-14.	2.5	70
45	Herbal and polymeric approaches for liver-targeting drug delivery: novel strategies and their significance. <i>Drug Delivery</i> , 2016, 23, 1-17.	2.5	42
46	Inhalable chitosan nanoparticles as antitubercular drug carriers for an effective treatment of tuberculosis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-5.	1.9	49
47	In situ nasal gel drug delivery: A novel approach for brain targeting through the mucosal membrane. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-10.	1.9	56
48	Role of microemulsions in advanced drug delivery. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-9.	1.9	37
49	Diacerein-Loaded novel gastroretentive nanofiber system using PLLA: Development and <i>in vitro</i> characterization. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-9.	1.9	18
50	Enhancing the bioavailability of mebendazole by integrating the principles solid dispersion and nanocrystal techniques, for safe and effective management of human echinococcosis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1-6.	1.9	8
51	Recent advancements in the cardiovascular drug carriers. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 216-225.	1.9	38
52	Development, optimization and evaluation of polymeric electrospun nanofiber: A tool for local delivery of fluconazole for management of vaginal candidiasis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 524-531.	1.9	43
53	Permeation enhancer strategies in transdermal drug delivery. <i>Drug Delivery</i> , 2016, 23, 564-578.	2.5	345
54	Preparation and characterization of spray-dried inhalable powders containing nanoaggregates for pulmonary delivery of anti-tubercular drugs. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 182-187.	1.9	26

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55	Advanced topical drug delivery system for the management of vaginal candidiasis. Drug Delivery, 2016, 23, 550-563.	2.5	110
56	Mucosal vaccination against tuberculosis using Ag85A-loaded immunostimulating complexes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 532-539.	1.9	30
57	Development, optimization and characterization of glycyrrhetic acid-chitosan nanoparticles of atorvastatin for liver targeting. Drug Delivery, 2016, 23, 2290-2297.	2.5	35
58	Advanced drug delivery approaches against periodontitis. Drug Delivery, 2016, 23, 363-377.	2.5	153
59	Nanofibers as novel drug carrier – An overview. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 135-143.	1.9	80
60	Current Trends in Self-Emulsifying Drug Delivery Systems (SEDDSs) to Enhance the Bioavailability of Poorly Water-Soluble Drugs. Critical Reviews in Therapeutic Drug Carrier Systems, 2016, 33, 1-39.	1.2	28
61	Development of transferosomal gel for trans-dermal delivery of insulin using iodine complex. Drug Delivery, 2016, 23, 1636-1644.	2.5	45
62	Chemotherapeutic Evaluation of Guar Gum Coated Chitosan Nanoparticle Against Experimental Tuberculosis. Journal of Biomedical Nanotechnology, 2016, 12, 450-463.	0.5	22
63	Permeability study of ciprofloxacin from ultra-thin nanofibrous film through various mucosal membranes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 122-127.	1.9	30
64	Formulation, optimization and evaluation of curcumin- β -cyclodextrin-loaded sponge for effective drug delivery in thermal burns chemotherapy. Drug Delivery, 2016, 23, 2245-2254.	2.5	29
65	Fabrication and characterization of cefazolin-loaded nanofibrous mats for the recovery of post-surgical wound. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1783-1792.	1.9	24
66	Advances in nanotechnology-based carrier systems for targeted delivery of bioactive drug molecules with special emphasis on immunotherapy in drug resistant tuberculosis – a critical review. Drug Delivery, 2016, 23, 1676-1698.	2.5	47
67	Collagen nanofiber containing silver nanoparticles for improved wound-healing applications. Journal of Drug Targeting, 2016, 24, 520-529.	2.1	151
68	Development and characterization of cefazolin loaded zinc oxide nanoparticles composite gelatin nanofiber mats for postoperative surgical wounds. Materials Science and Engineering C, 2016, 58, 242-253.	3.8	118
69	Development, optimization, and characterization of polymeric electrospun nanofiber: a new attempt in sublingual delivery of nicorandil for the management of angina pectoris. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1498-1507.	1.9	58
70	Spray-dried particles as pulmonary delivery system of anti-tubercular drugs: design, optimization, <i>in vitro</i> and <i>in vivo</i> evaluation. Pharmaceutical Development and Technology, 2016, 21, 951-960.	1.1	20
71	Nanotechnological approaches for the effective management of psoriasis. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1374-1382.	1.9	18
72	Archaeosomes: an excellent carrier for drug and cell delivery. Drug Delivery, 2016, 23, 2497-2512.	2.5	54

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73	Development, Optimization and Evaluation of Electrospun Nanofibers: Tool for Targeted Vaginal Delivery of Antimicrobials Against Urinary Tract Infections. <i>Current Drug Delivery</i> , 2016, 13, 754-763.	0.8	8
74	Pulmonary Delivery of Anti-Tubercular Drugs Using Ligand Anchored pH Sensitive Liposomes for the Treatment of Pulmonary Tuberculosis. <i>Current Drug Delivery</i> , 2016, 13, 909-922.	0.8	21
75	Development of Trans Cinnamon Aldehyde Loaded Multiple Emulsion: Herbal Contraceptive Microbicide Formulation. <i>Journal of Colloid Science and Biotechnology</i> , 2016, 5, 90-99.	0.2	0
76	Nanotechnology-Based Photodynamic Therapy: Concepts, Advances, and Perspectives. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2015, 32, 389-439.	1.2	23
77	Colloidal Drug Delivery Systems: Current Status and Future Directions. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2015, 32, 89-147.	1.2	29
78	Brain delivery of intranasal <i>in situ</i> gel of nanoparticulated polymeric carriers containing antidepressant drug: behavioral and biochemical assessment. <i>Journal of Drug Targeting</i> , 2015, 23, 275-286.	2.1	57
79	Biomaterials-based nanofiber scaffold: targeted and controlled carrier for cell and drug delivery. <i>Journal of Drug Targeting</i> , 2015, 23, 202-221.	2.1	113
80	Optimization of combinational intranasal drug delivery system for the management of migraine by using statistical design. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 70, 140-151.	1.9	35
81	Development, optimization and evaluation of long chain nanolipid carrier for hepatic delivery of silymarin through lymphatic transport pathway. <i>International Journal of Pharmaceutics</i> , 2015, 485, 108-121.	2.6	44
82	Current strategies for targeted delivery of bio-active drug molecules in the treatment of brain tumor. <i>Journal of Drug Targeting</i> , 2015, 23, 865-887.	2.1	63
83	Development and Characterization of Nanoembedded Microparticles for Pulmonary Delivery of Antitubercular Drugs against Experimental Tuberculosis. <i>Molecular Pharmaceutics</i> , 2015, 12, 3839-3850.	2.3	45
84	Transmucosal delivery of Docetaxel by mucoadhesive polymeric nanofibers. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 43, 263-269.	1.9	57
85	Development and characterization of guar gum nanoparticles for oral immunization against tuberculosis. <i>Drug Delivery</i> , 2015, 22, 328-334.	2.5	67
86	Polymeric nanofibers: targeted gastro-retentive drug delivery systems. <i>Journal of Drug Targeting</i> , 2015, 23, 109-124.	2.1	67
87	Comprehensive review on additives of topical dosage forms for drug delivery. <i>Drug Delivery</i> , 2015, 22, 969-987.	2.5	92
88	Development and characterization of niosomal gel for topical delivery of benzoyl peroxide. <i>Drug Delivery</i> , 2015, 22, 1027-1042.	2.5	75
89	Development and Characterization of Fenofibrate Micro Emulsion Based on Pseudo-Ternary Phase Diagram. <i>Journal of Colloid Science and Biotechnology</i> , 2015, 4, 49-56.	0.2	1
90	Current Nanotechnological Approaches for an Effective Delivery of Bioactive Drug Molecules to Overcome Drug Resistance Tuberculosis. <i>Current Pharmaceutical Design</i> , 2015, 21, 3076-3089.	0.9	20

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91	Transmucosal Delivery of Linagliptin for the Treatment of Type- 2 Diabetes Mellitus by Ultra-Thin Nanofibers. <i>Current Drug Delivery</i> , 2015, 12, 323-332.	0.8	12
92	Development and Characterization of Novel Medicated Nanofibers Against Periodontitis. <i>Current Drug Delivery</i> , 2015, 12, 564-577.	0.8	20
93	Development and Characterization of Spray Dried Microparticles for Pulmonary Delivery of Antifungal Drug. <i>Current Drug Delivery</i> , 2015, 12, 464-471.	0.8	12
94	Development of Pseudo-Ternary Phase Diagram Based Microemulsion for Enhancement of Oral Bioavailability of Azithromycin: <i>In-Vitro</i> and <i>In-Vivo</i> Study. <i>Journal of Colloid Science and Biotechnology</i> , 2015, 4, 20-30.	0.2	0
95	Novel Microbicidal Gel for Intravaginal Application: <i>In Vitro</i> and <i>In Vivo</i> Study. <i>Journal of Colloid Science and Biotechnology</i> , 2015, 4, 31-38.	0.2	0
96	Microbicides for the Treatment of Sexually Transmitted HIV Infections. <i>Journal of Pharmaceutics</i> , 2014, 2014, 1-18.	4.6	15
97	Novel Technology to Improve Drug Loading in Polymeric Nanofibers. <i>Drug Delivery Letters</i> , 2014, 4, 79-86.	0.2	47
98	Current Nanotechnological Strategies for Effective Delivery of Bioactive Drug Molecules in the Treatment of Tuberculosis. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2014, 31, 49-88.	1.2	68
99	Current Nanotechnological Strategies for Treating Glaucoma. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2014, 31, 365-405.	1.2	37
100	Advanced Aerosol Delivery Devices for Potential Cure of Acute and Chronic Diseases. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2014, 31, 495-530.	1.2	20
101	Ancient and Advanced Approaches for the Treatment of an Inflammatory Autoimmune Disease-Psoriasis. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2014, 31, 331-364.	1.2	26
102	Development of pH responsive novel emulsion adjuvant for oral immunization and in vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 589-597.	2.0	9
103	Development and characterization of nano-fiber patch for the treatment of glaucoma. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 53, 10-16.	1.9	132
104	Development and characterization of nanocarriers for topical treatment of psoriasis by using combination therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014, 42, 406-412.	1.9	40
105	Recent approaches of lipid-based delivery system for lymphatic targeting via oral route. <i>Journal of Drug Targeting</i> , 2014, 22, 871-882.	2.1	99
106	Therapeutic potential of nanocarrier for overcoming to P-glycoprotein. <i>Journal of Drug Targeting</i> , 2014, 22, 859-870.	2.1	25
107	Are the anatomical sites for vaccine administration selected judiciously?. <i>International Immunopharmacology</i> , 2014, 19, 17-26.	1.7	15
108	Current Nanotechnological Strategies for an Effective Delivery of Drugs in Treatment of Periodontal Disease. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2014, 31, 89-119.	1.2	52

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109	Biomedical Applications of Nanofiber Scaffolds in Tissue Engineering. Journal of Biomaterials and Tissue Engineering, 2014, 4, 600-623.	0.0	19
110	Development and Characterization of Clotrimazole Loaded Electrospun Nanofibers for the Management of Oral Candidiasis. Journal of Nanopharmaceutics and Drug Delivery, 2014, 2, 192-198.	0.3	6
111	Recent Advances in Polymeric Electrospun Nanofibers for Drug Delivery. Critical Reviews in Therapeutic Drug Carrier Systems, 2014, 31, 187-217.	1.2	59
112	Gastroretentive Drug Delivery Systems for Therapeutic Management of Peptic Ulcer. Critical Reviews in Therapeutic Drug Carrier Systems, 2014, 31, 531-557.	1.2	35
113	Development, Optimization and Evaluation of Bioadhesive Vaginal Gel of Fluconazole for the Treatment of Vaginal Candidiasis. Journal of Colloid Science and Biotechnology, 2014, 3, 262-269.	0.2	1
114	<i>In-vitro</i> anti-viral screening and cytotoxicity evaluation of copper-curcumin complex. Artificial Cells, Nanomedicine and Biotechnology, 2013, 41, 276-281.	1.9	18
115	Nanotechnological Approaches for Genetic Immunization. , 2013, , 67-120.		21
116	Development of Transmucosal Patch Using Nanofibers. Artificial Cells, Blood Substitutes, and Biotechnology, 2012, 40, 146-150.	0.9	25
117	Optimization of Protocell of Silica Nanoparticles Using 32 Factorial Designs. AAPS PharmSciTech, 2012, 13, 167-173.	1.5	8
118	Microfold-cell targeted surface engineered polymeric nanoparticles for oral immunization. Journal of Drug Targeting, 2012, 20, 76-84.	2.1	47
119	Advances in Pulmonary Delivery of Nanoparticles. Artificial Cells, Blood Substitutes, and Biotechnology, 2012, 40, 75-96.	0.9	46
120	Development and Characterization of Rifampicin Loaded Floating Microspheres. Artificial Cells, Blood Substitutes, and Biotechnology, 2011, 39, 330-334.	0.9	13
121	Evaluation of Anti-GERD Activity of Gastro Retentive Drug Delivery System of Itopride Hydrochloride. Artificial Cells, Blood Substitutes, and Biotechnology, 2010, 38, 200-207.	0.9	11
122	Release Kinetic Studies of Aspirin Microcapsules from Ethyl Cellulose, Cellulose Acetate Phthalate and their Mixtures by Emulsion Solvent Evaporation Method. Scientia Pharmaceutica, 2010, 78, 93-101.	0.7	37
123	Advances in Novel Drug Delivery Strategies for Breast Cancer Therapy. Artificial Cells, Blood Substitutes, and Biotechnology, 2010, 38, 230-249.	0.9	84
124	Preparation and Characterization of Gatifloxacin-Loaded Polyacrylonitrile Nanofiber for the Management of Dry Eye Infection. Journal of Pharmaceutical Innovation, 0, , .	1.1	0
125	Trends in iron oxide nanoparticles: a nano-platform for theranostic application in breast cancer. Journal of Drug Targeting, 0, , 1-21.	2.1	6