

Sanjay K. Jain

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

5,739
citations

66343

42
h-index

82547

72
g-index

115
all docs

115
docs citations

115
times ranked

7169
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendrimer-mediated transdermal delivery: enhanced bioavailability of indomethacin. <i>Journal of Controlled Release</i> , 2003, 90, 335-343.	9.9	318
2	Effective oral delivery of insulin in animal models using vitamin B12-coated dextran nanoparticles. <i>Journal of Controlled Release</i> , 2007, 122, 141-150.	9.9	229
3	In vitro release kinetics model fitting of liposomes: An insight. <i>Chemistry and Physics of Lipids</i> , 2016, 201, 28-40.	3.2	203
4	A novel vitamin B12-nanosphere conjugate carrier system for peroral delivery of insulin. <i>Journal of Controlled Release</i> , 2007, 117, 421-429.	9.9	200
5	Design and development of ligand-appended polysaccharidic nanoparticles for the delivery of oxaliplatin in colorectal cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 179-190.	3.3	178
6	Transferrin-conjugated solid lipid nanoparticles for enhanced delivery of quinine dihydrochloride to the brain. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 935-940.	2.4	163
7	PEGylation: An Approach for Drug Delivery. A Review. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2008, 25, 403-447.	2.2	157
8	In vitro and cell uptake studies for targeting of ligand anchored nanoparticles for colon tumors. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 35, 404-416.	4.0	149
9	Solubility enhancement of celecoxib using β -cyclodextrin inclusion complexes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 57, 263-267.	4.3	145
10	Perspectives of biodegradable natural polysaccharides for site-specific drug delivery to the colon. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2007, 10, 86-128.	2.1	142
11	Chondroitin sulphate: a focus on osteoarthritis. <i>Glycoconjugate Journal</i> , 2016, 33, 693-705.	2.7	132
12	Plant profile, phytochemistry and pharmacology of <i>Asparagus racemosus</i> (Shatavari): A review. <i>Asian Pacific Journal of Tropical Disease</i> , 2013, 3, 242-251.	0.5	130
13	Mannosylated gelatin nanoparticles bearing an anti-HIV drug didanosine for site-specific delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 41-48.	3.3	127
14	Eudragit S100 Coated Citrus Pectin Nanoparticles for Colon Targeting of 5-Fluorouracil. <i>Materials</i> , 2015, 8, 832-849.	2.9	120
15	Advances in liposomal drug delivery to cancer: An overview. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101549.	3.0	113
16	Cross-linked guar gum microspheres: A viable approach for improved delivery of anticancer drugs for the treatment of colorectal cancer. <i>AAPS PharmSciTech</i> , 2006, 7, 74.	3.3	107
17	Peptide and Protein Delivery Using New Drug Delivery Systems. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2013, 30, 293-329.	2.2	106
18	Insight to drug delivery aspects for colorectal cancer. <i>World Journal of Gastroenterology</i> , 2016, 22, 582.	3.3	101

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19	Herbal antioxidant in clinical practice: A review. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 78-84.	1.2	90
20	Self-Assembled Carbohydrate-Stabilized Ceramic Nanoparticles for the Parenteral Delivery of Insulin. Drug Development and Industrial Pharmacy, 2000, 26, 459-463.	2.0	85
21	Design and development of solid lipid nanoparticles for topical delivery of an anti-fungal agent. Drug Delivery, 2010, 17, 443-451.	5.7	83
22	Ultrasound-based triggered drug delivery to tumors. Drug Delivery and Translational Research, 2018, 8, 150-164.	5.8	82
23	A New Horizon in Modifications of Chitosan: Syntheses and Applications. Critical Reviews in Therapeutic Drug Carrier Systems, 2013, 30, 91-181.	2.2	82
24	Azo Chemistry and Its Potential for Colonic Delivery. Critical Reviews in Therapeutic Drug Carrier Systems, 2006, 23, 349-400.	2.2	71
25	Metronidazole loaded pectin microspheres for colon targeting. Journal of Pharmaceutical Sciences, 2009, 98, 4229-4236.	3.3	69
26	Chitosan: a potential polymer for colon-specific drug delivery system. Expert Opinion on Drug Delivery, 2012, 9, 713-729.	5.0	65
27	Novel targeting approaches and signaling pathways of colorectal cancer: An insight. World Journal of Gastroenterology, 2018, 24, 4428-4435.	3.3	64
28	Design and development of folate appended liposomes for enhanced delivery of 5-FU to tumor cells. Journal of Drug Targeting, 2007, 15, 231-240.	4.4	62
29	Design and development of hydrogel beads for targeted drug delivery to the colon. AAPS PharmSciTech, 2007, 8, E34-E41.	3.3	60
30	An update on Ayurvedic herb Convolvulus pluricaulis Choisy. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 245-252.	1.2	59
31	Development and characterization of 5-FU bearing ferritin appended solid lipid nanoparticles for tumour targeting. Journal of Microencapsulation, 2008, 25, 289-297.	2.8	57
32	Enhanced Transdermal Delivery of Acyclovir Sodium via Elastic Liposomes. Drug Delivery, 2008, 15, 141-147.	5.7	55
33	Transferrin-appended PEGylated nanoparticles for temozolomide delivery to brain:in vitro characterisation. Journal of Microencapsulation, 2011, 28, 21-28.	2.8	55
34	Stimuli-responsive Smart Liposomes in Cancer Targeting. Current Drug Targets, 2018, 19, 259-270.	2.1	55
35	Design and development of multivesicular liposomal depot delivery system for controlled systemic delivery of acyclovir sodium. AAPS PharmSciTech, 2005, 6, E35-E41.	3.3	54
36	Passive delivery of protein drugs through transdermal route. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 472-487.	2.8	54

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37	Potential of calcium pectinate beads for target specific drug release to colon. Journal of Drug Targeting, 2007, 15, 285-294.	4.4	53
38	Evaluation of microcrystalline cellulose prepared from sisal fibers as a tablet excipient: A technical note. AAPS PharmSciTech, 2007, 8, E56-E62.	3.3	52
39	Pathophysiology of kidney, gallbladder and urinary stones treatment with herbal and allopathic medicine: A review. Asian Pacific Journal of Tropical Disease, 2013, 3, 496-504.	0.5	48
40	Multipronged, strategic delivery of paclitaxel-topotecan using engineered liposomes to ovarian cancer. Drug Development and Industrial Pharmacy, 2016, 42, 136-149.	2.0	46
41	Development and In Vitro Characterization of Galactosylated Low Molecular Weight Chitosan Nanoparticles Bearing Doxorubicin. AAPS PharmSciTech, 2010, 11, 686-697.	3.3	45
42	Development of liposomes using formulation by design: Basics to recent advances. Chemistry and Physics of Lipids, 2019, 224, 104764.	3.2	45
43	Multivesicular Liposomes Bearing Celecoxib- β -Cyclodextrin Complex for Transdermal Delivery. Drug Delivery, 2007, 14, 327-335.	5.7	44
44	Target-specific drug release to the colon. Expert Opinion on Drug Delivery, 2008, 5, 483-498.	5.0	43
45	Concanavalin A conjugated biodegradable nanoparticles for oral insulin delivery. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	43
46	Development of liposomes entrapped in alginate beads for the treatment of colorectal cancer. International Journal of Biological Macromolecules, 2016, 82, 687-695.	7.5	43
47	Emerging potential of niosomes in ocular delivery. Expert Opinion on Drug Delivery, 2021, 18, 55-71.	5.0	41
48	Drug Targeting Through Pilosebaceous Route. Current Drug Targets, 2009, 10, 950-967.	2.1	41
49	Nanocarrier Based Advances in Drug Delivery to Tumor: An Overview. Current Drug Targets, 2018, 19, 1498-1518.	2.1	41
50	l-Valine appended PLGA nanoparticles for oral insulin delivery. Acta Diabetologica, 2015, 52, 663-676.	2.5	40
51	Systematic optimization of cationic surface engineered mucoadhesive vesicles employing Design of Experiment (DoE): A preclinical investigation. International Journal of Biological Macromolecules, 2019, 133, 1142-1155.	7.5	40
52	Ligand-Appended BBB-Targeted Nanocarriers (LABTNs). Critical Reviews in Therapeutic Drug Carrier Systems, 2015, 32, 149-180.	2.2	38
53	Sorbitan Ester Organogels for Transdermal Delivery of Sumatriptan. Drug Development and Industrial Pharmacy, 2007, 33, 617-625.	2.0	36
54	Folate Conjugated Double Liposomes Bearing Prednisolone and Methotrexate for Targeting Rheumatoid Arthritis. Pharmaceutical Research, 2019, 36, 123.	3.5	36

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55	Combination Cancer Therapy Using Multifunctional Liposomes. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2020, 37, 105-134.	2.2	36
56	Aceclofenac-loaded chondroitin sulfate conjugated SLNs for effective management of osteoarthritis. <i>Journal of Drug Targeting</i> , 2014, 22, 805-812.	4.4	35
57	Eudragit S100 coated microsponges for Colon targeting of prednisolone. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 902-913.	2.0	35
58	Pectinâ€“metronidazole prodrug bearing microspheres for colon targeting. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 257-264.	5.2	34
59	Mannosylated liposomes bearing Amphotericin B for effective management of visceral Leishmaniasis. <i>Journal of Liposome Research</i> , 2011, 21, 333-340.	3.3	32
60	Solid lipid nanoparticles bearing oxybenzone:In-vitroandin-vivoevaluation. <i>Journal of Microencapsulation</i> , 2010, 27, 226-233.	2.8	31
61	Phenylalanine-coupled solid lipid nanoparticles for brain tumor targeting. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	31
62	Dual drug delivery using â€œsmartâ€“liposomes for triggered release of anticancer agents. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	31
63	Targeting of AIDS related encephalopathy using phenylalanine anchored lipidic nanocarrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 131, 155-161.	5.0	29
64	Chondroitin sulfate functionalized liposomes for solid tumor targeting. <i>Journal of Drug Targeting</i> , 2011, 19, 251-257.	4.4	28
65	Liposomes a Vesicular Nanocarrier: Potential Advancements in Cancer Chemotherapy. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2012, 29, 355-419.	2.2	27
66	Poly (amidoamine) dendrimer-mediated hybrid formulation for combination therapy of ramipril and hydrochlorothiazide. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 84-92.	4.0	27
67	Microsponges: A Pioneering Tool for Biomedical Applications. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2016, 33, 77-105.	2.2	26
68	Colon Targeted Liposomal Systems (CTLs): Theranostic Potential. <i>Current Molecular Medicine</i> , 2015, 15, 621-633.	1.3	26
69	Development of a Liposome Based Contraceptive System for Intravaginal Administration of Progesterone. <i>Drug Development and Industrial Pharmacy</i> , 1997, 23, 827-830.	2.0	25
70	Formulation and optimization of temozolomide nanoparticles by 3 factor 2 level factorial design. <i>Biomatter</i> , 2013, 3, e25102.	2.6	25
71	Optimization of chitosan nanoparticles for colon tumors using experimental design methodology. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1917-1926.	2.8	25
72	Targeted delivery of an anti-cancer agent via steroid coupled liposomes. <i>Drug Delivery</i> , 2009, 16, 437-447.	5.7	24

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73	Basics to advances in nanotherapy of colorectal cancer. Drug Delivery and Translational Research, 2020, 10, 319-338.	5.8	24
74	Brain Drug Delivery System Bearing Dopamine Hydrochloride for Effective Management of Parkinsonism. Drug Development and Industrial Pharmacy, 1998, 24, 671-675.	2.0	23
75	Development and Validation of the HPLC Method for Simultaneous Estimation of Paclitaxel and Topotecan. Journal of Chromatographic Science, 2014, 52, 697-703.	1.4	23
76	Topotecan Liposomes: A Visit from a Molecular to a Therapeutic Platform. Critical Reviews in Therapeutic Drug Carrier Systems, 2016, 33, 401-432.	2.2	23
77	Magnetically Guided Rat Erythrocytes Bearing Isoniazid: Preparation, Characterization, and Evaluation. Drug Development and Industrial Pharmacy, 1997, 23, 999-1006.	2.0	19
78	Targeting liver cancer via ASGP receptor using 5-FU-loaded surface-modified PLGA nanoparticles. Journal of Microencapsulation, 2014, 31, 479-487.	2.8	19
79	Thiolated Polymers: Pharmaceutical Tool in Nasal Drug Delivery of Proteins and Peptides. International Journal of Peptide Research and Therapeutics, 2019, 25, 15-26.	1.9	19
80	Novel Strategies for Targeting Prostate Cancer. Current Drug Delivery, 2019, 16, 712-727.	1.6	19
81	Insulin delivery through nasal route using thiolated microspheres. Drug Delivery, 2013, 20, 210-215.	5.7	16
82	Dual Drug Delivery Using Lactic Acid Conjugated SLN for Effective Management of Neurocysticercosis. Pharmaceutical Research, 2015, 32, 3137-3148.	3.5	16
83	Development of surface-functionalised nanoparticles for FGF2 receptor-based solid tumour targeting. Journal of Microencapsulation, 2012, 29, 95-102.	2.8	15
84	Insulin Delivery Through the Ocular Route. Drug Delivery, 1998, 5, 53-55.	5.7	13
85	Transfollicular drug delivery: current perspectives. Research and Reports in Transdermal Drug Delivery, 0, , 1.	0.0	12
86	Application Potential of Engineered Liposomes in Tumor Targeting. , 2017, , 171-191.		12
87	Locust bean gum in drug delivery application. , 2019, , 203-222.		12
88	Stimuli-responsive polysaccharides for colon-targeted drug delivery. , 2019, , 547-566.		12
89	Influence of Rheology of Dispersion Media in the Preparation of Polymeric Microspheres through Emulsification Method. AAPS PharmSciTech, 2009, 10, 1295-1300.	3.3	10
90	Engineered liposomes bearing camptothecin analogue for tumour targeting: in vitro and ex-vivo studies. Journal of Liposome Research, 2020, 31, 1-16.	3.3	10

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91	Promising Antifungal Potential of Engineered Non-ionic Surfactant-Based Vesicles: In Vitro and In Vivo Studies. AAPS PharmSciTech, 2021, 22, 19.	3.3	10
92	Pulsatile Insulin Delivery Through the Ocular Route. Drug Delivery, 1998, 5, 47-51.	5.7	9
93	Mucoadhesive gastroretentive microparticulate system for programmed delivery of famotidine and clarithromycin. Journal of Microencapsulation, 2021, 38, 151-163.	2.8	8
94	Opportunities in combinational chemo-immunotherapy for breast cancer using nanotechnology: an emerging landscape. Expert Opinion on Drug Delivery, 2022, 19, 247-268.	5.0	8
95	Application Potential of Polymeric Nanoconstructs for Colon-Specific Drug Delivery. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 22-49.	0.3	7
96	Brain-Specific Delivery of Rifampin from Lactyl Stearate-Coupled Liposomes via Monocarboxylic Acid Transporters. American Journal of Drug Delivery, 2006, 4, 43-49.	0.6	6
97	Curcumin Based Drug Delivery Systems for Cancer Therapy. Current Pharmaceutical Design, 2020, 26, 5430-5440.	1.9	6
98	Low Density Lipid Nanoparticles for Solid Tumor Targeting. Scientia Pharmaceutica, 2014, 82, 873-888.	2.0	5
99	Macroscopical, anatomical and physico-chemical studies on fruits of Coccinia indica Wight & Arn. (Cucurbitaceae). Asian Pacific Journal of Tropical Disease, 2014, 4, S121-S128.	0.5	5
100	Steroid-coupled liposomes for targeted delivery to tumor. Therapeutic Delivery, 2010, 1, 345-357.	2.2	4
101	Development and Characterization of Doxorubicin Bearing Vitamin B12 Coupled Sterically Stabilized Liposomes for Tumor Targeting. Current Nanoscience, 2011, 7, 427-435.	1.2	4
102	Polymeric nanocomposite: Development, characterization, <i>ex vivo</i> and <i>in vivo</i> evaluation for ulcerative colitis. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 337-350.	3.4	4
103	Liposomes for Advanced Drug Delivery. Advances in Material Research and Technology, 2020, , 317-338.	0.6	4
104	Steroid Receptors as Molecular Targets for Cancer Diagnosis and Therapy. Critical Reviews in Therapeutic Drug Carrier Systems, 2009, 26, 207-273.	2.2	4
105	Exploitable Signaling Pathways for the Treatment of Inflammatory Bowel Disease. Current Signal Transduction Therapy, 2018, 12, 76-84.	0.5	4
106	Pharmacognostic and phytochemical evaluation of Dolichos biflorus Linn.. Asian Pacific Journal of Tropical Disease, 2014, 4, S97-S101.	0.5	3
107	Development of Nanostructured Lipid Carrier as Potential Sun Protectant. Nanoscience and Nanotechnology - Asia, 2012, 2, 210-216.	0.7	3
108	Opportunities in ultrasonic drug delivery to tumor. , 2021, , 493-515.		1

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109	Transferrin Coupled PEGylated Nanoparticles Bearing Temozolomide for Brain Delivery and Their Assessment for Fluorescence and Confocal Laser Scanning Microscopy. Journal of Advanced Microscopy Research, 2010, 5, 91-99.	0.3	1
110	Protein and peptide delivery by chitosan systems. , 2022, , 211-228.		1
111	Liposomal Delivery System. Materials Horizons, 2022, , 109-134.	0.6	1
112	Determination of Oxaliplatin and Curcumin in Combination via Micellar HPLC and Its Method Validation. Journal of AOAC INTERNATIONAL, 2022, 105, 999-1007.	1.5	1
113	Environmental stimuli-sensitive chitosan nanocarriers in therapeutics. , 2022, , 189-209.		0