Jagdish Singh

List of Publications by Year
in descending order

86	3,311	101543 36	161849 54
papers	citations	h-index	g-index

89	89	89	3681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell penetrating peptide tethered bi-ligand liposomes for delivery to brain in vivo: Biodistribution and transfection. Journal of Controlled Release, 2013, 167, 1-10.	9.9	148
2	A Review of the Common Neurodegenerative Disorders: Current Therapeutic Approaches and the Potential Role of Nanotherapeutics. International Journal of Molecular Sciences, 2022, 23, 1851.	4.1	128
3	Triblock copolymers: synthesis, characterization, and delivery of a model protein. International Journal of Pharmaceutics, 2005, 288, 207-218.	5.2	126
4	Co-delivery of doxorubicin and erlotinib through liposomal nanoparticles for glioblastoma tumor regression using an in vitro brain tumor model. Colloids and Surfaces B: Biointerfaces, 2019, 173, 27-35.	5.0	115
5	Dual functionalized liposomes for efficient co-delivery of anti-cancer chemotherapeutics for the treatment of glioblastoma. Journal of Controlled Release, 2019, 307, 247-260.	9.9	103
6	Controlled delivery of testosterone from smart polymer solution based systems: In vitro evaluation. International Journal of Pharmaceutics, 2005, 295, 183-190.	5.2	93
7	Controlled delivery of aspirin: Effect of aspirin on polymer degradation and in vitro release from PLGA based phase sensitive systems. International Journal of Pharmaceutics, 2008, 357, 119-125.	5.2	93
8	Preparation, characterization, cytotoxicity and transfection efficiency of poly(dl-lactide-co-glycolide) and poly(dl-lactic acid) cationic nanoparticles for controlled delivery of plasmid DNA. International Journal of Pharmaceutics, 2007, 343, 247-254.	5.2	88
9	Dual functionalized liposome-mediated gene delivery across triple co-culture blood brain barrier model and specific in vivo neuronal transfection. Journal of Controlled Release, 2018, 286, 264-278.	9.9	88
10	Poly (lactide-co-glycolide)-Polymethacrylate Nanoparticles for Intramuscular Delivery of Plasmid Encoding Interleukin-10 to Prevent Autoimmune Diabetes in Mice. Pharmaceutical Research, 2009, 26, 72-81.	3.5	81
11	Amino Acid Grafted Chitosan for High Performance Gene Delivery: Comparison of Amino Acid Hydrophobicity on Vector and Polyplex Characteristics. Biomacromolecules, 2013, 14, 485-494.	5.4	79
12	Controlled release of growth hormone from thermosensitive triblock copolymer systems: In vitro and in vivo evaluation. International Journal of Pharmaceutics, 2008, 352, 58-65.	5.2	71
13	Design and Validation of Liposomal ApoE2 Gene Delivery System to Evade Bloodâ€"Brain Barrier for Effective Treatment of Alzheimerâ€™s Disease. Molecular Pharmaceutics, 2021, 18, 714-725.	4.6	69
14	Grafting of Cell-Penetrating Peptide to Receptor-Targeted Liposomes Improves their Transfection Efficiency and Transport across Bloodâ€"Brain Barrier Model. Journal of Pharmaceutical Sciences, 2012, 101, 2468-2478.	3.3	66
15	Cell Penetrating Peptide Conjugated Chitosan for Enhanced Delivery of Nucleic Acid. International Journal of Molecular Sciences, 2015, 16, 28912-28930.	4.1	66
16	The Role of Cell-Penetrating Peptide and Transferrin on Enhanced Delivery of Drug to Brain. International Journal of Molecular Sciences, 2016, 17, 806.	4.1	66
17	Biodegradable and biocompatible thermosensitive polymer based injectable implant for controlled release of protein. International Journal of Pharmaceutics, 2009, 365, 34-43.	5.2	64
18	Influence of Short-Chain Cell-Penetrating Peptides on Transport of Doxorubicin Encapsulating Receptor-Targeted Liposomes Across Brain Endothelial Barrier. Pharmaceutical Research, 2014, 31, 1194-1209.	3.5	64

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19	Synthesis and Characterization of Fatty Acid Grafted Chitosan Polymer and Their Nanomicelles for Nonviral Gene Delivery Applications. Bioconjugate Chemistry, 2017, 28, 2772-2783.	3.6	60
20	APC targeted micelle for enhanced intradermal delivery of hepatitis B DNA vaccine. Journal of Controlled Release, 2015, 207, 143-153.	9.9	57
21	Skin targeted DNA vaccine delivery using electroporation in rabbits. International Journal of Pharmaceutics, 2005, 294, 53-63.	5.2	55
22	Dual Functionalized 5-Fluorouracil Liposomes as Highly Efficient Nanomedicine for Glioblastoma Treatment as Assessed in an InÂVitro Brain Tumor Model. Journal of Pharmaceutical Sciences, 2018, 107, 2902-2913.	3.3	55
23	Mechanism of transport enhancement of LHRH through porcine epidermis by terpenes and iontophoresis: permeability and lipid extraction studies. Pharmaceutical Research, 1998, 15, 1857-1862.	3.5	54
24	Hexanoic Acid and Polyethylene Glycol Double Grafted Amphiphilic Chitosan for Enhanced Gene Delivery: Influence of Hydrophobic and Hydrophilic Substitution Degree. Molecular Pharmaceutics, 2014, 11, 982-994.	4.6	54
25	Thermosensitive polymers: Synthesis, characterization, and delivery of proteins. International Journal of Pharmaceutics, 2007, 341, 68-77.	5.2	51
26	Development and screening of brain-targeted lipid-based nanoparticles with enhanced cell penetration and gene delivery properties . International Journal of Nanomedicine, 2019, Volume 14, 6497-6517.	6.7	51
27	GLUT-1: An Effective Target To Deliver Brain-Derived Neurotrophic Factor Gene Across the Blood Brain Barrier. ACS Chemical Neuroscience, 2020, 11, 1620-1633.	3.5	50
28	ApoE-2 Brain-Targeted Gene Therapy Through Transferrin and Penetratin Tagged Liposomal Nanoparticles. Pharmaceutical Research, 2019, 36, 161.	3.5	48
29	Insulin Loaded PLGA Microspheres: Effect of Zinc Salts on Encapsulation, Release, and Stability. Journal of Pharmaceutical Sciences, 2009, 98, 529-542.	3.3	47
30	Skin targeted DNA vaccine delivery using electroporation in rabbits. International Journal of Pharmaceutics, 2006, 308, 61-68.	5.2	44
31	Efficient neuronal targeting and transfection using RVG and transferrin-conjugated liposomes. Brain Research, 2020, 1734, 146738.	2.2	41
32	In Vitro Release of Levonorgestrel from Phase Sensitive and Thermosensitive Smart Polymer Delivery Systems. Pharmaceutical Development and Technology, 2005, 10, 319-325.	2.4	40
33	Cell Penetrating Peptide Conjugated Polymeric Micelles as a High Performance Versatile Nonviral Gene Carrier. Biomacromolecules, 2013, 14, 4071-4081.	5.4	39
34	Thermosensitive Drug Delivery System of Salmon Calcitonin: In Vitro Release, In Vivo Absorption, Bioactivity and Therapeutic Efficacies. Pharmaceutical Research, 2010, 27, 272-284.	3.5	38
35	Functionalized liposomal nanoparticles for efficient gene delivery system to neuronal cell transfection. International Journal of Pharmaceutics, 2019, 566, 717-730.	5.2	38
36	Evaluation of polyanhydride microspheres for basal insulin delivery: Effect of copolymer composition and zinc salt on encapsulation, in vitro release, stability, in vivo absorption and bioactivity in diabetic rats. Journal of Pharmaceutical Sciences, 2009, 98, 4237-4250.	3.3	37

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37	Long-term glycemic control and prevention of diabetes complications in vivo using oleic acid-grafted-chitosanâ€‘zinc-insulin complexes incorporated in thermosensitive copolymer. Journal of Controlled Release, 2020, 323, 161-178.	9.9	37
38	Caproic acid grafted chitosan cationic nanocomplexes for enhanced gene delivery: Effect of degree of substitution. International Journal of Pharmaceutics, 2013, 447, 182-191.	5.2	36
39	Biodistribution of TAT or QLPVM coupled to receptor targeted liposomes for delivery of anticancer therapeutics to brain in vitro and in vivo. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 23, 102112.	3.3	36
40	A review of the tortuous path of nonviral gene delivery and recent progress. International Journal of Biological Macromolecules, 2021, 183, 2055-2073.	7.5	34
41	Effect of additives on the release of a model protein from PLGA microspheres. AAPS PharmSciTech, 2001, 2, 86-92.	3.3	33
42	Chitosanâ€“zincâ€“insulin complex incorporated thermosensitive polymer for controlled delivery of basal insulin in vivo. Journal of Controlled Release, 2012, 163, 145-153.	9.9	32
43	Dual-Modified Liposome for Targeted and Enhanced Gene Delivery into Mice Brain. Journal of Pharmacology and Experimental Therapeutics, 2020, 374, 354-365.	2.5	31
44	Treatment of insulin resistance in obesity-associated type 2 diabetes mellitus through adiponectin gene therapy. International Journal of Pharmaceutics, 2020, 583, 119357.	5.2	31
45	Preparation, in vitro release, in vivo absorption and biocompatibility studies of insulin-loaded microspheres in rabbits. AAPS PharmSciTech, 2005, 6, E487-E494.	3.3	30
46	Smart polymers for peptide and protein parenteral sustained delivery. Drug Discovery Today: Technologies, 2012, 9, e131-e140.	4.0	29
47	N-hexanoyl, N-octanoyl and N-decanoyl chitosans: Binding affinity, cell uptake, and transfection. Carbohydrate Polymers, 2012, 89, 403-410.	10.2	28
48	Topical iontophoretic drug delivery: Pathways, principles, factors, and skin irritation. , 1996, 16, 285-296.		27
49	Cationic Nanomicelles for Delivery of Plasmids Encoding Interleukin-4 and Interleukin-10 for Prevention of Autoimmune Diabetes in Mice. Pharmaceutical Research, 2012, 29, 883-897.	3.5	27
50	Phase-sensitive polymer-based controlled delivery systems of leuprolide acetate: In vitro release, biocompatibility, and in vivo absorption in rabbits. International Journal of Pharmaceutics, 2007, 328, 42-48.	5.2	26
51	Nerve Growth Factor Gene Delivery across the Bloodâ€“Brain Barrier to Reduce Beta Amyloid Accumulation in AD Mice. Molecular Pharmaceutics, 2020, 17, 2054-2063.	4.6	25
52	Effect of additives on the release of a model protein from PLGA microspheres. AAPS PharmSciTech, 2001, 2, 86-92.	3.3	25
53	In vitro and in vivo characterization of CPP and transferrin modified liposomes encapsulating pDNA. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102225.	3.3	23
54	Poly Lactic Acid Based Injectable Delivery Systems for Controlled Release of a Model Protein, Lysozyme. Pharmaceutical Development and Technology, 2006, 11, 79-86.	2.4	21

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55	In Vivo Absorption of Steroidal Hormones from Smart Polymer Based Delivery Systems. Journal of Pharmaceutical Sciences, 2010, 99, 3381-3388.	3.3	19
56	Basal level insulin delivery: In vitro release, stability, biocompatibility, and in vivo absorption from thermosensitive triblock copolymers. Journal of Pharmaceutical Sciences, 2011, 100, 4790-4803.	3.3	19
57	Controlled Delivery of Basal Level of insulin From Chitosanâ€“Zincâ€“Insulin-Complex-Loaded Thermosensitive Copolymer. Journal of Pharmaceutical Sciences, 2012, 101, 1079-1096.	3.3	19
58	Functionalized nanoparticles for brain targeted BDNF gene therapy to rescue Alzheimer's disease pathology in transgenic mouse model. International Journal of Biological Macromolecules, 2022, 208, 901-911.	7.5	19
59	Controlled Delivery of Basal Insulin from Phase-Sensitive Polymeric Systems After Subcutaneous Administration: In Vitro Release, Stability, Biocompatibility, In Vivo Absorption, and Bioactivity of Insulin. Journal of Pharmaceutical Sciences, 2011, 100, 2161-2171.	3.3	17
60	Controlled Delivery of Salmon Calcitonin Using Thermosensitive Triblock Copolymer Depot for Treatment of Osteoporosis. ACS Omega, 2019, 4, 1157-1166.	3.5	17
61	Effect of isopropyl myristic acid ester on the physical characteristics and in vitro release of etoposide from PLGA microspheres. AAPS PharmSciTech, 2000, 1, 49-54.	3.3	16
62	In vitro and in vivo optimization of liposomal nanoparticles based brain targeted vgf gene therapy. International Journal of Pharmaceutics, 2021, 608, 121095.	5.2	16
63	Improved insulin sensitivity in obese-diabetic mice via chitosan Nanomicelles mediated silencing of pro-inflammatory Adipocytokines. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 33, 102357.	3.3	15
64	Synthesis and Characterization of Fatty Acid Grafted Chitosan Polymeric Micelles for Improved Gene Delivery of VGF to the Brain through Intranasal Route. Biomedicines, 2022, 10, 493.	3.2	15
65	In Vitro and in Vivo Optimization of Phase Sensitive Smart Polymer for Controlled Delivery of Rivastigmine for Treatment of Alzheimerâ€™s Disease. Pharmaceutical Research, 2020, 37, 34.	3.5	14
66	Effect of Acyl Chain Length and Unsaturation on Physicochemical Properties and Transfection Efficiency of N-Acyl-Substituted Low-Molecular-Weight Chitosan. Journal of Pharmaceutical Sciences, 2012, 101, 268-282.	3.3	13
67	Smart thermosensitive copolymer incorporating chitosanâ€“zincâ€“insulin electrostatic complexes for controlled delivery of insulin: effect of chitosan chain length. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 1054-1068.	3.4	13
68	Remodeling adipose tissue inflammasome for type 2 diabetes mellitus treatment: Current perspective and translational strategies. Bioengineering and Translational Medicine, 2020, 5, e10150.	7.1	12
69	Effect of Molar Mass and Water Solubility of Incorporated Molecules on the Degradation Profile of the Triblock Copolymer Delivery System. Polymers, 2015, 7, 1510-1521.	4.5	10
70	Addition of Zinc Improves the Physical Stability of Insulin in the Primary Emulsification Step of the Poly(lactide-co-glycolide) Microsphere Preparation Process. Polymers, 2015, 7, 836-850.	4.5	10
71	Electroporation for Dermal and Transdermal Drug Delivery. , 2017, , 105-122.		10
72	Chitosan for gene, DNA vaccines, and drug delivery. , 2019, , 515-550.		9

#	ARTICLE	IF	CITATIONS
73	QUANTITATION OF LEUPROLIDE ACETATE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY. Journal of Liquid Chromatography and Related Technologies, 2000, 23, 3023-3031.	1.0	6
74	Effect of Additives on Stability of Etoposide in PLGA Microspheres. Drug Development and Industrial Pharmacy, 2001, 27, 345-350.	2.0	6
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