

Bijay Singh

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,710
citations

346980

22
h-index

206121

51
g-index

56
all docs

56
docs citations

56
times ranked

5356
citing authors

#	ARTICLE	IF	CITATIONS
1	Imiquimod-gemcitabine nanoparticles harness immune cells to suppress breast cancer. <i>Biomaterials</i> , 2022, 280, 121302.	5.7	23
2	Harnessing cells to deliver nanoparticle drugs to treat cancer. <i>Biotechnology Advances</i> , 2020, 42, 107339.	6.0	39
3	Biomimetic nanovaccines for COVID-19. <i>Applied Science and Technology Annals</i> , 2020, 1, 176-182.	0.7	3
4	Nanoparticle Formulations of Poly (ADP-ribose) Polymerase Inhibitors for Cancer Therapy. <i>Frontiers in Chemistry</i> , 2020, 8, 594619.	1.8	8
5	Roadmap for metal nanoparticles in radiation therapy: current status, translational challenges, and future directions. <i>Physics in Medicine and Biology</i> , 2020, 65, 21RM02.	1.6	101
6	Abstract 3631: Development of targeted nanoformulation of talazoparib for combined chemoradiation therapy in lung cancer. , 2019, , .		0
7	A new way of producing pediocin in <i>Pediococcus acidilactici</i> through intracellular stimulation by internalized inulin nanoparticles. <i>Scientific Reports</i> , 2018, 8, 5878.	1.6	28
8	Chitosan-based particulate systems for the delivery of mucosal vaccines against infectious diseases. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 54-64.	3.6	65
9	Oral Immunization of FMDV Vaccine Using pH-Sensitive and Mucoadhesive Thiolated Cellulose Acetate Phthalate Microparticles. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 1-11.	1.6	28
10	Needle-Free Immunization with Chitosan-Based Systems. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3639.	1.8	28
11	Self-Assembled, Adjuvant/Antigen-Based Nanovaccine Mediates Anti-Tumor Immune Response against Melanoma Tumor. <i>Polymers</i> , 2018, 10, 1063.	2.0	14
12	Microfluidic Bioprinting: Digitally Tunable Microfluidic Bioprinting of Multilayered Cannular Tissues (Adv. Mater. 43 2018). <i>Advanced Materials</i> , 2018, 30, 1870322.	11.1	2
13	Digitally Tunable Microfluidic Bioprinting of Multilayered Cannular Tissues. <i>Advanced Materials</i> , 2018, 30, e1706913.	11.1	199
14	Combination therapy with doxorubicin-loaded galactosylated poly(ethyleneglycol)-lithocholic acid to suppress the tumor growth in an orthotopic mouse model of liver cancer. <i>Biomaterials</i> , 2017, 116, 130-144.	5.7	39
15	Local Delivery of CTGF siRNA with Poly(sorbitol-co-PEI) Reduces Scar Contraction in Cutaneous Wound Healing. <i>Tissue Engineering and Regenerative Medicine</i> , 2017, 14, 211-220.	1.6	19
16	Suppression of Tobacco Carcinogen-Induced Lung Tumorigenesis by Aerosol-Delivered Glycerol Propoxylate Triacrylate-Spermine Copolymer/Short Hairpin Rab25 RNA Complexes in Female A/J Mice. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017, 30, 81-90.	0.7	6
17	Oral Delivery of Probiotics Using pH-Sensitive Tablets. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 739-746.	0.9	18
18	Correction: Efficient gene transfection to liver cells via the cellular regulation of a multifunctional poly(lactitol)-based gene transporter. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2740-2740.	2.9	0

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19	Nasal immunization with mannan-decorated mucoadhesive HPMCP microspheres containing ApxIIA toxin induces protective immunity against challenge infection with <i>Actinobacillus pleuropneumoniae</i> in mice. <i>Journal of Controlled Release</i> , 2016, 233, 114-125.	4.8	26
20	Gene therapy for bone tissue engineering. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 111-125.	1.6	20
21	Trigger factor assisted soluble expression of recombinant spike protein of porcine epidemic diarrhea virus in <i>Escherichia coli</i> . <i>BMC Biotechnology</i> , 2016, 16, 39.	1.7	8
22	Drug-conjugated polymers as gene carriers for synergistic therapeutic effect. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 698-711.	1.6	3
23	Efficient gene transfection to liver cells via the cellular regulation of a multifunctional poly lactitol-based gene transporter. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2208-2218.	2.9	9
24	Systemic administration of RANKL overcomes the bottleneck of oral vaccine delivery through microfold cells in ileum. <i>Biomaterials</i> , 2016, 84, 286-300.	5.7	22
25	Attuning hydroxypropyl methylcellulose phthalate to oral delivery vehicle for effective and selective delivery of protein vaccine in ileum. <i>Biomaterials</i> , 2015, 59, 144-159.	5.7	38
26	Mannan-decorated thiolated Eudragit microspheres for targeting antigen presenting cells via nasal vaccination. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 80, 16-25.	1.9	18
27	<i>Marine Materials: Gene Delivery.</i> , 2015, , 1217-1227.		0
28	Tuning the Buffering Capacity of Polyethylenimine with Glycerol Molecules for Efficient Gene Delivery: Staying In or Out of the Endosomes. <i>Macromolecular Bioscience</i> , 2015, 15, 622-635.	2.1	54
29	Galactosylated Poly(Ethylene glycol)-Lithocholic Acid Selectively Kills Hepatoma Cells, While Sparing Normal Liver Cells. <i>Macromolecular Bioscience</i> , 2015, 15, 777-787.	2.1	12
30	Suppression of tumor growth in lung cancer xenograft model mice by poly(sorbitol-co-PEI)-mediated delivery of osteopontin siRNA. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 450-462.	2.0	38
31	<i>Liver tissue engineering using functional marine biomaterials.</i> , 2015, , 91-106.		3
32	Nanoparticle-mediated delivery of siRNA for effective lung cancer therapy. <i>Nanomedicine</i> , 2015, 10, 1165-1188.	1.7	48
33	Combinatorial Approach of Antigen Delivery Using M Cell-Homing Peptide and Mucoadhesive Vehicle to Enhance the Efficacy of Oral Vaccine. <i>Molecular Pharmaceutics</i> , 2015, 12, 3816-3828.	2.3	50
34	Release and Cytokine Production of BmpB from BmpB-Loaded pH-Sensitive and Mucoadhesive Thiolated Eudragit Microspheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 606-610.	0.9	8
35	Enhanced BBB permeability of osmotically active poly(mannitol-co-PEI) modified with rabies virus glycoprotein via selective stimulation of caveolar endocytosis for RNAi therapeutics in Alzheimer's disease. <i>Biomaterials</i> , 2015, 38, 61-71.	5.7	106
36	Image-Guided Nanoparticle-Based siRNA Delivery for Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2015, 21, 4637-4656.	0.9	9

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37	Mucoadhesive Chitosan Derivatives as Novel Drug Carriers. <i>Current Pharmaceutical Design</i> , 2015, 21, 4285-4309.	0.9	58
38	Exploring Codon Optimization and Response Surface Methodology to Express Biologically Active Transmembrane RANKL in <i>E. coli</i> . <i>PLoS ONE</i> , 2014, 9, e96259.	1.1	17
39	Mucosal Delivery of Vaccine by M Cell Targeting Strategies. <i>Current Drug Therapy</i> , 2014, 9, 9-20.	0.2	6
40	Chemical Modification of Chitosan with pH-Sensitive Molecules and Specific Ligands for Efficient DNA Transfection and siRNA Silencing. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 564-576.	0.9	24
41	Oral delivery of probiotic expressing M cell homing peptide conjugated BmpB vaccine encapsulated into alginate/chitosan/alginate microcapsules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 768-777.	2.0	29
42	Targeted oral delivery of BmpB vaccine using porous PLGA microparticles coated with M cell homing peptide-coupled chitosan. <i>Biomaterials</i> , 2014, 35, 2365-2373.	5.7	118
43	Heterologous production of spectinomycin in <i>Streptomyces venezuelae</i> by exploiting the dTDP-d-desosamine pathway. <i>Journal of Biotechnology</i> , 2014, 174, 57-63.	1.9	8
44	N-acetylglucosamine-conjugated block copolymer consisting of poly(ethylene oxide) and cationic polyaspartamide as a gene carrier for targeting vimentin-expressing cells. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 165-172.	1.9	3
45	Major degradable polycations as carriers for DNA and siRNA. <i>Journal of Controlled Release</i> , 2014, 193, 74-89.	4.8	124
46	Targeted Gene Delivery via N-Acetylglucosamine Receptor Mediated Endocytosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8356-8364.	0.9	8
47	Switching Antibiotics Production On and Off in Actinomycetes by an IclR Family Transcriptional Regulator from <i>Streptomyces peucetius</i> ATCC 27952. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1065-1072.	0.9	15
48	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013, 87, 1315-1530.	1.9	1,089
49	Exploration of two epimerase homologs in <i>Streptomyces peucetius</i> ATCC 27952. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2493-2502.	1.7	2
50	Effect of Microencapsulation of <i>Lactobacillus plantarum</i> 25 into Alginate/Chitosan/Alginate Microcapsules on Viability and Cytokine Induction. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5291-5295.	0.9	14
51	The amino acid sequences in the C-terminal region of glucose-1-phosphate thymidyltransferases determine their soluble expression in <i>Escherichia coli</i> . <i>Protein Engineering, Design and Selection</i> , 2012, 25, 179-187.	1.0	2
52	Precursor for biosynthesis of sugar moiety of doxorubicin depends on rhamnose biosynthetic pathway in <i>Streptomyces peucetius</i> ATCC 27952. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1565-1574.	1.7	14
53	Limitations in doxorubicin production from <i>Streptomyces peucetius</i> . <i>Microbiological Research</i> , 2010, 165, 427-435.	2.5	47
54	Exploration of geosmin synthase from <i>Streptomyces peucetius</i> ATCC 27952 by deletion of doxorubicin biosynthetic gene cluster. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1257-1265.	1.4	17