Shambhavi Pandey

List of Publications by Year
in descending order

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18	460	933447 10	839539 18
papers	citations	h-index	g-index

19	19	19	735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synergistic effects of nanotopography and co-culture with endothelial cells on osteogenesis of mesenchymal stem cells. Biomaterials, 2013, 34, 7257-7268.	11.4	99
2	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. Carbohydrate Polymers, 2019, 211, 109-117.	10.2	79
3	Enhanced chitosanâ€"DNA interaction by 2-acrylamido-2-methylpropane coupling for an efficient transfection in cancer cells. Journal of Materials Chemistry B, 2015, 3, 3465-3475.	5.8	50
4	Regeneration of Chronic Tympanic Membrane Perforation Using an EGF-Releasing Chitosan Patch. Tissue Engineering - Part A, 2013, 19, 2097-2107.	3.1	46
5	Triphenylamine coupled chitosan with high buffering capacity and low viscosity for enhanced transfection in mammalian cells, in vitro and in vivo. Journal of Materials Chemistry B, 2013, 1, 6053.	5.8	40
6	The efficiency of membrane transport of vitamin B6 coupled to poly(ester amine) gene transporter and transfection in cancer cells. Biomaterials, 2013, 34, 3716-3728.	11.4	35
7	Nucleotide biosynthesis arrest by silencing SHMT1 function via vitamin B6-coupled vector and effects on tumor growth inhibition. Biomaterials, 2014, 35, 9332-9342.	11.4	34
8	Chitosan/PEI patch releasing EGF and the EGFR gene for the regeneration of the tympanic membrane after perforation. Biomaterials Science, 2018, 6, 364-371.	5.4	17
9	Development of novel gene carrier using modified nano hydroxyapatite derived from equine bone for osteogenic differentiation of dental pulp stem cells. Bioactive Materials, 2021, 6, 2742-2751.	15.6	14
10	Development of a bio-electrospray system for cell and non-viral gene delivery. RSC Advances, 2018, 8, 6452-6459.	3.6	12
11	Highly efficient gene transfection by a hyperosmotic polymannitol based gene tranporter through regulation of caveolae and COX-2 induced endocytosis. Journal of Materials Chemistry B, 2014, 2, 2666.	5.8	9
12	Synthesis, characterization and application of chitosan-N-(4-hydroxyphenyl)-methacrylamide derivative as a drug and gene carrier. International Journal of Biological Macromolecules, 2022, 195, 75-85.	7.5	7
13	SHMT1 siRNA-Loaded hyperosmotic nanochains for blood-brain/tumor barrier post-transmigration therapy. Biomaterials, 2022, 281, 121359.	11.4	6
14	Reduced graphene oxide-incorporated calcium phosphate cements with pulsed electromagnetic fields for bone regeneration. RSC Advances, 2022, 12, 5557-5570.	3.6	5
15	Synergistic effects of hyperosmotic polymannitol based non-viral vectors and nanotopographical cues for enhanced gene delivery. RSC Advances, 2016, 6, 111233-111238.	3.6	3
16	JNK2 silencing and caspase-9 activation by hyperosmotic polymer inhibits tumor progression. International Journal of Biological Macromolecules, 2018, 120, 2215-2224.	7.5	2
17	Induction of Stem Cell Like Cells from Mouse Embryonic Fibroblast by Short-Term Shear Stress and Vitamin C. Applied Sciences (Switzerland), 2021, 11, 1941.	2.5	1
18	Induction of Apoptosis of Cancer Cells Using the Cisplatin Delivery Based Electrospray (CDES) System. Applied Sciences (Switzerland), 2021, 11, 3203.	2.5	1