

# Shambhavi Pandey

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

460  
citations

933447

10  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

735  
citing authors

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