Nandana Bhardwaj

List of Publications by Year in Descending Order

28 papers	4,872 citations	20 h-index	29 g-index
29 ext. papers	5,565 ext. citations	8 avg, IF	6.3 L-index

#	Paper	IF	Citations
28	Overcoming the Dependence on Animal Models for Osteoarthritis Therapeutics - The Promises and Prospects of In Vitro Models. *Advanced Healthcare Materials*, **2021**, 10, e2100961	10.1	6
27	State-of-the-art strategies and future interventions in bone and cartilage repair for personalized regenerative therapy **2021**, 203-248		0
26	3D bioprinting of photo-crosslinkable silk methacrylate (SilMA)-polyethylene glycol diacrylate (PEGDA) bioink for cartilage tissue engineering.. *Journal of Biomedical Materials Research - Part A*, **2021**,	5.4	2
25	Silk Fibroin Scaffold-Based 3D Co-Culture Model for Modulation of Chondrogenesis without Hypertrophy via Reciprocal Cross-talk and Paracrine Signaling. *ACS Biomaterials Science and Engineering*, **2019**, 5, 5240-5254	5.5	8
24	Emerging and innovative approaches for wound healing and skin regeneration: Current status and advances. *Biomaterials*, **2019**, 216, 119267	15.6	172
23	3D functional scaffolds for skin tissue engineering **2018**, 345-365		29
22	Potential of silk sericin based nanofibrous mats for wound dressing applications. *Materials Science and Engineering C*, **2018**, 90, 420-432	8.3	70
21	Silk fibroin as a platform for dual sensing of vitamin B using photoluminescence and electrical techniques. *Biosensors and Bioelectronics*, **2018**, 112, 18-22	11.8	17
20	Injectable hydrogels: a new paradigm for osteochondral tissue engineering. *Journal of Materials Chemistry B*, **2018**, 6, 5499-5529	7.3	51
19	Tissue Engineered Skin and Wound Healing: Current Strategies and Future Directions. *Current Pharmaceutical Design*, **2017**, 23, 3455-3482	3.3	56
18	Silk fiber reinforcement modulates in vitro chondrogenesis in 3D composite scaffolds. *Biomedical Materials (Bristol)*, **2017**, 12, 045012	3.5	23
17	Silk fibroin–carbon nanoparticle composite scaffolds: a cost effective supramolecular 'turn off' chemiresistor for nitroaromatic explosive vapours. *Journal of Materials Chemistry C*, **2016**, 4, 8920-8929	7.1	15
16	Potential of Agarose/Silk Fibroin Blended Hydrogel for in Vitro Cartilage Tissue Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 21236-49	9.5	133
15	Reloadable Silk-Hydrogel Hybrid Scaffolds for Sustained and Targeted Delivery of Molecules. *Molecular Pharmaceutics*, **2016**, 13, 4066-4081	5.6	19
14	Biomimetic, Osteoconductive Non-mulberry Silk Fiber Reinforced Tricomposite Scaffolds for Bone Tissue Engineering. *ACS Applied Materials & Interfaces*, **2016**, 8, 30797-30810	9.5	96
13	Cross-linked silk sericin–gelatin 2D and 3D matrices for prospective tissue engineering applications. *RSC Advances*, **2016**, 6, 105125-105136	3.7	30
12	Mimicking Form and Function of Native Small Diameter Vascular Conduits Using Mulberry and Non-mulberry Patterned Silk Films. *ACS Applied Materials & Interfaces*, **2016**, 8, 15874-88	9.5	57

11	Native honeybee silk membrane: a potential matrix for tissue engineering and regenerative medicine. *RSC Advances*, **2016**, 6, 54394-54403	3.7	7
10	Potential of silk fibroin/chondrocyte constructs of muga silkworm Antheraea assamensis for cartilage tissue engineering. *Journal of Materials Chemistry B*, **2016**, 4, 3670-3684	7.3	47
9	Milled non-mulberry silk fibroin microparticles as biomaterial for biomedical applications. *International Journal of Biological Macromolecules*, **2015**, 81, 31-40	7.9	30
8	Silk fibroin-keratin based 3D scaffolds as a dermal substitute for skin tissue engineering. *Integrative Biology (United Kingdom)*, **2015**, 7, 53-63	3.7	115
7	Tissue-engineered cartilage: the crossroads of biomaterials, cells and stimulating factors. *Macromolecular Bioscience*, **2015**, 15, 153-82	5.5	64
6	Chondrogenic differentiation of rat MSCs on porous scaffolds of silk fibroin/chitosan blends. *Biomaterials*, **2012**, 33, 2848-57	15.6	138
5	Invited review nonmulberry silk biopolymers. *Biopolymers*, **2012**, 97, 455-67	2.2	137
4	Freeze-gelled silk fibroin protein scaffolds for potential applications in soft tissue engineering. *International Journal of Biological Macromolecules*, **2011**, 49, 260-7	7.9	47
3	Silk fibroin protein and chitosan polyelectrolyte complex porous scaffolds for tissue engineering applications. *Carbohydrate Polymers*, **2011**, 85, 325-333	10.3	195
2	Potential of 3-D tissue constructs engineered from bovine chondrocytes/silk fibroin-chitosan for in vitro cartilage tissue engineering. *Biomaterials*, **2011**, 32, 5773-81	15.6	162
1	Electrospinning: a fascinating fiber fabrication technique. *Biotechnology Advances*, **2010**, 28, 325-47	17.8	3136