

# Nandana Bhardwaj

## List of Publications by Citations

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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	Electrospinning: a fascinating fiber fabrication technique. <i>Biotechnology Advances</i> , <b>2010</b> , 28, 325-47	17.8	3136
27	Silk fibroin protein and chitosan polyelectrolyte complex porous scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , <b>2011</b> , 85, 325-333	10.3	195
26	Emerging and innovative approaches for wound healing and skin regeneration: Current status and advances. <i>Biomaterials</i> , <b>2019</b> , 216, 119267	15.6	172
25	Potential of 3-D tissue constructs engineered from bovine chondrocytes/silk fibroin-chitosan for in vitro cartilage tissue engineering. <i>Biomaterials</i> , <b>2011</b> , 32, 5773-81	15.6	162
24	Chondrogenic differentiation of rat MSCs on porous scaffolds of silk fibroin/chitosan blends. <i>Biomaterials</i> , <b>2012</b> , 33, 2848-57	15.6	138
23	Invited review nonmulberry silk biopolymers. <i>Biopolymers</i> , <b>2012</b> , 97, 455-67	2.2	137
22	Potential of Agarose/Silk Fibroin Blended Hydrogel for in Vitro Cartilage Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 21236-49	9.5	133
21	Silk fibroin-keratin based 3D scaffolds as a dermal substitute for skin tissue engineering. <i>Integrative Biology (United Kingdom)</i> , <b>2015</b> , 7, 53-63	3.7	115
20	Biomimetic, Osteoconductive Non-mulberry Silk Fiber Reinforced Tricomposite Scaffolds for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30797-30810	9.5	96
19	Potential of silk sericin based nanofibrous mats for wound dressing applications. <i>Materials Science and Engineering C</i> , <b>2018</b> , 90, 420-432	8.3	70
18	Tissue-engineered cartilage: the crossroads of biomaterials, cells and stimulating factors. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 153-82	5.5	64
17	Mimicking Form and Function of Native Small Diameter Vascular Conduits Using Mulberry and Non-mulberry Patterned Silk Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15874-88	9.5	57
16	Tissue Engineered Skin and Wound Healing: Current Strategies and Future Directions. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 3455-3482	3.3	56
15	Injectable hydrogels: a new paradigm for osteochondral tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 5499-5529	7.3	51
14	Freeze-gelled silk fibroin protein scaffolds for potential applications in soft tissue engineering. <i>International Journal of Biological Macromolecules</i> , <b>2011</b> , 49, 260-7	7.9	47
13	Potential of silk fibroin/chondrocyte constructs of muga silkworm <i>Antheraea assamensis</i> for cartilage tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3670-3684	7.3	47
12	Milled non-mulberry silk fibroin microparticles as biomaterial for biomedical applications. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 31-40	7.9	30

11	Cross-linked silk sericin/gelatin 2D and 3D matrices for prospective tissue engineering applications. <i>RSC Advances</i> , <b>2016</b> , 6, 105125-105136	3.7	30
10	3D functional scaffolds for skin tissue engineering <b>2018</b> , 345-365		29
9	Silk fiber reinforcement modulates in vitro chondrogenesis in 3D composite scaffolds. <i>Biomedical Materials (Bristol)</i> , <b>2017</b> , 12, 045012	3.5	23
8	Reloadable Silk-Hydrogel Hybrid Scaffolds for Sustained and Targeted Delivery of Molecules. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 4066-4081	5.6	19
7	Silk fibroin as a platform for dual sensing of vitamin B using photoluminescence and electrical techniques. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 112, 18-22	11.8	17
6	Silk fibroin/carbon nanoparticle composite scaffolds: a cost effective supramolecular "turn off" chemiresistor for nitroaromatic explosive vapours. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8920-8929	7.1	15
5	Silk Fibroin Scaffold-Based 3D Co-Culture Model for Modulation of Chondrogenesis without Hypertrophy via Reciprocal Cross-talk and Paracrine Signaling. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 5240-5254	5.5	8
4	Native honeybee silk membrane: a potential matrix for tissue engineering and regenerative medicine. <i>RSC Advances</i> , <b>2016</b> , 6, 54394-54403	3.7	7
3	Overcoming the Dependence on Animal Models for Osteoarthritis Therapeutics - The Promises and Prospects of In Vitro Models. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100961	10.1	6
2	3D bioprinting of photo-crosslinkable silk methacrylate (SilMA)-polyethylene glycol diacrylate (PEGDA) bioink for cartilage tissue engineering.. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2021</b> ,	5.4	2
1	State-of-the-art strategies and future interventions in bone and cartilage repair for personalized regenerative therapy <b>2021</b> , 203-248		0