Falguni Pati

List of Publications by Citations

35 papers	3,087 citations	17 h-index	44 g-index
44 ext. papers	3,534 ext. citations	6.3 avg, IF	5.27 L-index

#	Paper	IF	Citations
35	Printing three-dimensional tissue analogues with decellularized extracellular matrix bioink. *Nature Communications*, **2014**, 5, 3935	17.4	1104
34	Bioprintable, cell-laden silk fibroin-gelatin hydrogel supporting multilineage differentiation of stem cells for fabrication of three-dimensional tissue constructs. *Acta Biomaterialia*, **2015**, 11, 233-46	10.8	382
33	Biomimetic 3D tissue printing for soft tissue regeneration. *Biomaterials*, **2015**, 62, 164-75	15.6	258
32	Isolation and characterization of fish scale collagen of higher thermal stability. *Bioresource Technology*, **2010**, 101, 3737-42	11	257
31	Ornamenting 3D printed scaffolds with cell-laid extracellular matrix for bone tissue regeneration. *Biomaterials*, **2015**, 37, 230-41	15.6	241
30	3D Bioprinting of Tissue/Organ Models. *Angewandte Chemie - International Edition*, **2016**, 55, 4650-65	16.4	164
29	Development of a 3D cell printed construct considering angiogenesis for liver tissue engineering. *Biofabrication*, **2016**, 8, 015007	10.5	151
28	Enhanced redifferentiation of chondrocytes on microperiodic silk/gelatin scaffolds: toward tailor-made tissue engineering. *Biomacromolecules*, **2013**, 14, 311-21	6.9	89
27	Collagen scaffolds derived from fresh water fish origin and their biocompatibility. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 1068-79	5.4	73
26	Development of chitosan-tripolyphosphate fibers through pH dependent ionotropic gelation. *Carbohydrate Research*, **2011**, 346, 2582-8	2.9	57
25	Extrusion Bioprinting **2015**, 123-152		51
24	3D printing of cell-laden constructs for heterogeneous tissue regeneration. *Manufacturing Letters*, **2013**, 1, 49-53	4.5	50
23	Bioprinting of 3D Tissue Models Using Decellularized Extracellular Matrix Bioink. *Methods in Molecular Biology*, **2017**, 1612, 381-390	1.4	41
22	Development of chitosan-tripolyphosphate non-woven fibrous scaffolds for tissue engineering application. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 1085-96	4.5	22
21	Osteoblastic cellular responses on ionically crosslinked chitosan-tripolyphosphate fibrous 3-D mesh scaffolds. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 2526-37	5.4	18
20	Biomaterials for Biofabrication of 3D Tissue Scaffolds **2013**, 23-46		18
19	In vitro evaluation of osteoconductivity and cellular response of zirconia and alumina based ceramics. *Materials Science and Engineering C*, **2013**, 33, 3923-30	8.3	18

18	Collagen intermingled chitosan-tripolyphosphate nano/micro fibrous scaffolds for tissue-engineering application. *Journal of Biomaterials Science, Polymer Edition*, **2012**, 23, 1923-38	3.5	14
17	Decellularized extracellular matrix hydrogels□ell behavior as a function of matrix stiffness. *Current Opinion in Biomedical Engineering*, **2019**, 10, 123-133	4.4	12
16	3D Bioprinting: Recent Trends and Challenges. *Journal of the Indian Institute of Science*, **2019**, 99, 375-403	2.4	11
15	Prevention of Corneal Myofibroblastic Differentiation Using a Biomimetic ECM Hydrogel for Corneal Tissue Regeneration.. *ACS Applied Bio Materials*, **2021**, 4, 533-544	4.1	10
14	Robust tissue growth and angiogenesis in large-sized scaffold by reducing HO-mediated oxidative stress. *Biofabrication*, **2017**, 9, 015013	10.5	9
13	Tissue/organ-derived bioink formulation for 3D bioprinting. *Journal of 3D Printing in Medicine*, **2019**, 3, 39-54	1.5	9
12	Development of ultrafine chitosan fibers through modified wetspinning technique. *Journal of Applied Polymer Science*, **2011**, 121, 1550-1557	2.9	9
11	Fish collagen: A potential material for biomedical application **2010**,		4
10	Development of chitosan-tripolyphosphate fiber for biomedical application **2010**,		3
9	Organ Printing		3
8	3D printed in vitro disease models **2017**, 115-138		2
7	Tribology and in-vitro biological characterization of samaria doped ceria stabilized zirconia ceramics. *Ceramics International*, **2021**, 47, 17580-17588	5.1	2
6	3D-Biodruck von Gewebe- und Organmodellen. *Angewandte Chemie*, **2016**, 128, 4728-4743	3.6	2
5	3D hepatic mimics - the need for a multicentric approach. *Biomedical Materials (Bristol)*, **2020**, 15, 052002	3.5	1
4	Thickening of Ectatic Cornea through Regeneration Using Decellularized Corneal Matrix Injectable Hydrogel: A Strategic Advancement to Mitigate Corneal Ectasia.. *ACS Applied Bio Materials*, **2021**, 4, 7300-7313	4.1	1
3	Integrated 3D Printing-Based Framework-A Strategy to Fabricate Tubular Structures with Mechanocompromised Hydrogels.. *ACS Applied Bio Materials*, **2021**, 4, 6982-6992	4.1	0
2	BIOMIMETIC 3D TISSUE PRINTING. *World Scientific Series in Nanoscience and Nanotechnology*, **2014**, 985-1016	0.1	
1	Polymeric gels for tissue engineering applications **2018**, 305-330		