

# Vince Z Beachley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1817677/publications.pdf>

Version: 2024-02-01

16  
papers

1,391  
citations

840585

11  
h-index

940416

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of electrospinning parameters on the nanofiber diameter and length. <i>Materials Science and Engineering C</i> , 2009, 29, 663-668.	3.8	538
2	Polymer nanofibrous structures: Fabrication, biofunctionalization, and cell interactions. <i>Progress in Polymer Science</i> , 2010, 35, 868-892.	11.8	417
3	Protein-Based Fiber Materials in Medicine: A Review. <i>Nanomaterials</i> , 2018, 8, 457.	1.9	125
4	Mechanical Considerations for Electrospun Nanofibers in Tendon and Ligament Repair. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701277.	3.9	57
5	Fabrication of nanofiber reinforced protein structures for tissue engineering. <i>Materials Science and Engineering C</i> , 2009, 29, 2448-2453.	3.8	40
6	Effects of Fiber Density and Strain Rate on the Mechanical Properties of Electrospun Polycaprolactone Nanofiber Mats. <i>Frontiers in Chemistry</i> , 2020, 8, 610.	1.8	34
7	The fusion of tissue spheroids attached to pre-stretched electrospun polyurethane scaffolds. <i>Journal of Tissue Engineering</i> , 2014, 5, 204173141455656.	2.3	32
8	Cardiomyogenic differentiation of human bone marrow-derived mesenchymal stem cell spheroids within electrospun collagen nanofiber mats. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3303-3312.	2.1	31
9	A Novel Method to Precisely Assemble Loose Nanofiber Structures for Regenerative Medicine Applications. <i>Advanced Healthcare Materials</i> , 2013, 2, 343-351.	3.9	30
10	Concurrent collection and post-drawing of individual electrospun polymer nanofibers to enhance macromolecular alignment and mechanical properties. <i>Polymer</i> , 2016, 103, 243-250.	1.8	26
11	Continuous Dual-Track Fabrication of Polymer Micro-/Nanofibers Based on Direct Drawing. <i>ACS Macro Letters</i> , 2019, 8, 588-595.	2.3	20
12	Microarray Embedding/Sectioning for Parallel Analysis of 3D Cell Spheroids. <i>Scientific Reports</i> , 2019, 9, 16287.	1.6	13
13	Precisely Assembled Nanofiber Arrays as a Platform to Engineer Aligned Cell Sheets for Biofabrication. <i>Bioengineering</i> , 2014, 1, 114-133.	1.6	11
14	Electrospinning and post-drawn processing effects on the molecular organization and mechanical properties of polyacrylonitrile (PAN) nanofibers. <i>MRS Communications</i> , 2019, 9, 764-772.	0.8	7
15	Bioinspired Silk Fiber Spinning System via Automated Track-Drawing. <i>ACS Applied Bio Materials</i> , 2021, 4, 8192-8204.	2.3	5
16	Annealing post-drawn polycaprolactone (PCL) nanofibers optimizes crystallinity and molecular alignment and enhances mechanical properties and drug release profiles. <i>Materials Advances</i> , 2022, 3, 3303-3315.	2.6	5