

# Pooya Davoodi

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,117  
citations

623574

14  
h-index

677027

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1917  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrohydrodynamic atomization: A two-decade effort to produce and process micro-/nanoparticulate materials. <i>Chemical Engineering Science</i> , 2015, 125, 32-57.	1.9	240
2	Drug delivery systems for programmed and on-demand release. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 104-138.	6.6	229
3	3D bioprinting of skin tissue: From pre-processing to final product evaluation. <i>Advanced Drug Delivery Reviews</i> , 2018, 132, 270-295.	6.6	122
4	Coaxial electrohydrodynamic atomization: Microparticles for drug delivery applications. <i>Journal of Controlled Release</i> , 2015, 205, 70-82.	4.8	81
5	Enhanced intracellular delivery and controlled drug release of magnetic PLGA nanoparticles modified with transferrin. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 943-953.	2.8	60
6	Double-Walled Microparticles-Embedded Self-Cross-Linked, Injectable, and Antibacterial Hydrogel for Controlled and Sustained Release of Chemotherapeutic Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22785-22800.	4.0	54
7	Synthesis of intracellular reduction-sensitive amphiphilic polyethyleneimine and poly( $\beta$ -caprolactone) graft copolymer for on-demand release of doxorubicin and p53 plasmid DNA. <i>Acta Biomaterialia</i> , 2016, 39, 79-93.	4.1	53
8	Electrospun Shape Memory Polymer Micro-/Nanofibers and Tailoring Their Roles for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 933.	1.9	40
9	Advanced Hydrogels for Cartilage Tissue Engineering: Recent Progress and Future Directions. <i>Polymers</i> , 2021, 13, 4199.	2.0	38
10	Computational study of core-shell droplet formation in coaxial electrohydrodynamic atomization process. <i>AIChE Journal</i> , 2016, 62, 4259-4276.	1.8	29
11	Production of drug-releasing biodegradable microporous scaffold using a two-step micro-encapsulation/supercritical foaming process. <i>Journal of Supercritical Fluids</i> , 2018, 133, 263-269.	1.6	28
12	Development of Nanoparticles for Drug Delivery to Brain Tumor: The Effect of Surface Materials on Penetration Into Brain Tissue. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1736-1745.	1.6	28
13	Codelivery of anti-cancer agents via double-walled polymeric microparticles/injectable hydrogel: A promising approach for treatment of triple negative breast cancer. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2931-2946.	1.7	20
14	Effective co-delivery of nutlin-3a and p53 genes via core-shell microparticles for disruption of MDM2-p53 interaction and reactivation of p53 in hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5816-5834.	2.9	17
15	Investigation of the application of a Taylor-Couette bioreactor in the post-processing of bioprinted human dermal tissue. <i>Biochemical Engineering Journal</i> , 2019, 151, 107317.	1.8	14
16	Solution Formulation and Rheology for Fabricating Extracellular Matrix-Derived Fibers Using Low-Voltage Electrospinning Patterning. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3676-3684.	2.6	14
17	Optimization of supercritical extraction of galegine from <i>Galega officinalis</i> L.: Neural network modeling and experimental optimization via response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 854-865.	1.2	12
18	Localized Delivery of Pilocarpine to Hypofunctional Salivary Glands through Electrospun Nanofiber Mats: An Ex Vivo and In Vivo Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 541.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Advances and innovations in electrospinning technology. , 2021, , 45-81.		9
20	Cytocompatibility and Antibacterial Properties of Coaxial Electrospun Nanofibers Containing Ciprofloxacin and Indomethacin Drugs. Polymers, 2022, 14, 2565.	2.0	8
21	An empirical model to evaluate the effects of environmental humidity on the formation of wrinkled, creased and porous fibre morphology from electrospinning. Scientific Reports, 2020, 10, 18783.	1.6	6
22	Coaxial double-walled microspheres for combined release of cytochrome c and doxorubicin. Journal of Controlled Release, 2017, 259, e30-e31.	4.8	2
23	3D-Bioprinting and Micro-/Nano-Technology: Emerging Technologies in Biomedical Sciences. Advanced Drug Delivery Reviews, 2018, 132, 1-2.	6.6	1