

# Vahid Hosseini

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,284  
citations

567144

15  
h-index

552653

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal Muscle Tissue Engineering: Methods to Form Skeletal Myotubes and Their Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2014, 20, 403-436.	2.5	218
2	Engineered Contractile Skeletal Muscle Tissue on a Microgrooved Methacrylated Gelatin Substrate. <i>Tissue Engineering - Part A</i> , 2012, 18, 2453-2465.	1.6	206
3	Gelatin methacrylate as a promising hydrogel for 3D microscale organization and proliferation of dielectrophoretically patterned cells. <i>Lab on A Chip</i> , 2012, 12, 2959.	3.1	148
4	Micro and nanoscale technologies in oral drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020, 157, 37-62.	6.6	123
5	Interdigitated array of Pt electrodes for electrical stimulation and engineering of aligned muscle tissue. <i>Lab on A Chip</i> , 2012, 12, 3491.	3.1	96
6	Three-dimensional co-culture of C2C12/PC12 cells improves skeletal muscle tissue formation and function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 582-595.	1.3	70
7	Electrical stimulation as a biomimicry tool for regulating muscle cell behavior. <i>Organogenesis</i> , 2013, 9, 87-92.	0.4	65
8	Localized detection of ions and biomolecules with a force-controlled scanning nanopore microscope. <i>Nature Nanotechnology</i> , 2019, 14, 791-798.	15.6	49
9	How type 1 fimbriae help <i>Escherichia coli</i> to evade extracellular antibiotics. <i>Scientific Reports</i> , 2016, 6, 18109.	1.6	47
10	Fiber-Assisted Molding (FAM) of Surfaces with Tunable Curvature to Guide Cell Alignment and Complex Tissue Architecture. <i>Small</i> , 2014, 10, 4851-4857.	5.2	41
11	Hybrid Randomly Electrospun Poly(lactic-co-glycolic acid):Poly(ethylene oxide) (PLGA:PEO) Fibrous Scaffolds Enhancing Myoblast Differentiation and Alignment. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 31574-31586.	4.0	35
12	Comparison of silver nylon wound dressing and silver sulfadiazine in partial burn wound therapy. <i>International Wound Journal</i> , 2013, 10, 573-578.	1.3	28
13	Preclinical Development of <sup>18</sup> F-OF-NB1 for Imaging GluN2B-Containing <i>N</i> -Methyl-d-Aspartate Receptors and Its Utility as a Biomarker for Amyotrophic Lateral Sclerosis. <i>Journal of Nuclear Medicine</i> , 2021, 62, 259-265.	2.8	19
14	A Simple Modification Method to Obtain Anisotropic and Porous 3D Microfibrillar Scaffolds for Surgical and Biomedical Applications. <i>Small</i> , 2018, 14, 1702650.	5.2	18
15	Healthy and diseased <i>in vitro</i> models of vascular systems. <i>Lab on A Chip</i> , 2021, 21, 641-659.	3.1	18
16	A Pulsatile Flow System to Engineer Aneurysm and Atherosclerosis Mimetic Extracellular Matrix. <i>Advanced Science</i> , 2020, 7, 2000173.	5.6	17
17	Advances in microfabrication technologies in tissue engineering and regenerative medicine. <i>Artificial Organs</i> , 2022, 46, .	1.0	16
18	Stretchable Silver Nanowire Microelectrodes for Combined Mechanical and Electrical Stimulation of Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 2045-2054.	3.9	14

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19	Calcium Phosphate Nanoparticles Cytocompatibility Versus Cytotoxicity: A Serendipitous Paradox. <i>Current Pharmaceutical Design</i> , 2017, 23, 2930-2951.	0.9	12
20	SARS-CoV-2 Virulence: Interplay of Floating Virus-Laden Particles, Climate, and Humans. <i>Advanced Biology</i> , 2020, 4, e2000105.	3.0	10
21	3D magnetically controlled spatiotemporal probing and actuation of collagen networks from a single cell perspective. <i>Lab on A Chip</i> , 2021, 21, 3850-3862.	3.1	9
22	Radiolabeled nanoceria probes may reduce oxidative damages and risk of cancer: A hypothesis for radioisotope-based imaging procedures. <i>Medical Hypotheses</i> , 2013, 81, 1164-1168.	0.8	6
23	Graphene Quantum Dots for Fluorescent Labeling of Gelatin-Based Shear-Thinning Hydrogels. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000113.	1.7	6
24	Preparation and in-vitro Antibacterial Evaluation of Electroless Silver Coated Polymers. <i>Iranian Journal of Pharmaceutical Research</i> , 2010, 9, 259-64.	0.3	4
25	Engineering solutions for biological studies of flow-exposed endothelial cells on orbital shakers. <i>PLoS ONE</i> , 2022, 17, e0262044.	1.1	3
26	Smartwatch's Application Algorithm to Prevent Sudden Death and Brain Damage in Hypoglycemic Coma. <i>Journal of Diabetes Science and Technology</i> , 2016, 10, 802-803.	1.3	1
27	Editorial: Engineered Particles and Human Tissues for Pharmaceutical Research. <i>Current Pharmaceutical Design</i> , 2017, 23, 2907.	0.9	0
28	Graphene Quantum Dots for Fluorescent Labeling of Gelatin-Based Shear-Thinning Hydrogels. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2170073.	1.7	0
29	Photoclinic. Follicular lymphoma of the small intestine. <i>Archives of Iranian Medicine</i> , 2007, 10, 269, 272-3.	0.2	0