

Omid Mashinchian

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,113
citations

623574

14
h-index

713332

21
g-index

23
all docs

23
docs citations

23
times ranked

2266
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized disease-specific protein corona influences the therapeutic impact of graphene oxide. <i>Nanoscale</i> , 2015, 7, 8978-8994.	2.8	199
2	Aging Disrupts Muscle Stem Cell Function by Impairing Matricellular WISP1 Secretion from Fibro-Adipogenic Progenitors. <i>Cell Stem Cell</i> , 2019, 24, 433-446.e7.	5.2	191
3	Impacts of quantum dots in molecular detection and bioimaging of cancer. <i>BiolImpacts</i> , 2014, 4, 149-166.	0.7	95
4	Optical and electrochemical DNA nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 459-472.	5.8	88
5	The Muscle Stem Cell Niche in Health and Disease. <i>Current Topics in Developmental Biology</i> , 2018, 126, 23-65.	1.0	76
6	Cell-Imprinted Substrates Act as an Artificial Niche for Skin Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13280-13292.	4.0	70
7	Regulation of stem cell fate by nanomaterial substrates. <i>Nanomedicine</i> , 2015, 10, 829-847.	1.7	65
8	Harnessing the Cancer Radiation Therapy by Lanthanide-Doped Zinc Oxide Based Theranostic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3123-3134.	4.0	65
9	Cell-Imprinted Substrates Modulate Differentiation, Redifferentiation, and Transdifferentiation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13777-13784.	4.0	52
10	Nanoelectromechanical Chip (NELMEC) Combination of Nanoelectronics and Microfluidics to Diagnose Epithelial and Mesenchymal Circulating Tumor Cells from Leukocytes. <i>Small</i> , 2016, 12, 883-891.	5.2	39
11	Development of a Virtual Cell Model to Predict Cell Response to Substrate Topography. <i>ACS Nano</i> , 2017, 11, 9084-9092.	7.3	33
12	Electrochemical impedance spectroscopic sensing of methamphetamine by a specific aptamer. <i>BiolImpacts</i> , 2012, 2, 91-5.	0.7	29
13	Nutritional Control of Intestinal Stem Cells in Homeostasis and Tumorigenesis. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 20-35.	3.1	24
14	Engineering natural heart valves: possibilities and challenges. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1675-1683.	1.3	20
15	Characterization of <i>Streptomyces</i> Isolates with UV, FTIR Spectroscopy and HPLC Analyses. <i>BiolImpacts</i> , 2011, 1, 47-52.	0.7	15
16	Superparamagnetic Nanoparticles Direct Differentiation of Embryonic Stem Cells Into Skeletal Muscle Cells. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014, 4, 579-585.	0.0	14
17	A single-cell correlative nanoelectromechanosensing approach to detect cancerous transformation: monitoring the function of F-actin microfilaments in the modulation of the ion channel activity. <i>Nanoscale</i> , 2015, 7, 1879-1887.	2.8	13
18	Neural priming of adipose-derived stem cells by cell-imprinted substrates*. <i>Biofabrication</i> , 2021, 13, 035009.	3.7	12

#	ARTICLE	IF	CITATIONS
19	Possibilities in Germ Cell Research: An Engineering Insight. Trends in Biotechnology, 2015, 33, 735-746.	4.9	7
20	Osmolarity: A hidden factor in Nanotoxicology. DARU, Journal of Pharmaceutical Sciences, 2016, 24, 9.	0.9	2
21	Cancer Diagnosis: Nanoelectromechanical Chip (NELMEC) Combination of Nanoelectronics and Microfluidics to Diagnose Epithelial and Mesenchymal Circulating Tumor Cells from Leukocytes (Small 7/2016). Small, 2016, 12, 882-882.	5.2	1