

Siyoung Choi

List of Publications by Year in descending order

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17
papers

990
citations

643344

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993246

17
g-index

18
all docs

18
docs citations

18
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagen microarchitecture mechanically controls myofibroblast differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11387-11398.	3.3	127
2	Intrafibrillar, bone-mimetic collagen mineralization regulates breast cancer cell adhesion and migration. Biomaterials, 2019, 198, 95-106.	5.7	56
3	Correlative imaging reveals physiochemical heterogeneity of microcalcifications in human breast carcinomas. Journal of Structural Biology, 2018, 202, 25-34.	1.3	41
4	Collagen Fiber Orientation Regulates 3D Vascular Network Formation and Alignment. ACS Biomaterials Science and Engineering, 2018, 4, 2967-2976.	2.6	54
5	Breast cancer-derived extracellular vesicles stimulate myofibroblast differentiation and pro-angiogenic behavior of adipose stem cells. Matrix Biology, 2017, 60-61, 190-205.	1.5	50
6	Collagen I hydrogel microstructure and composition conjointly regulate vascular network formation. Acta Biomaterialia, 2016, 44, 200-208.	4.1	45
7	Chemical and physical properties of carbonated hydroxyapatite affect breast cancer cell behavior. Acta Biomaterialia, 2015, 24, 333-342.	4.1	45
8	Obesity-dependent changes in interstitial ECM mechanics promote breast tumorigenesis. Science Translational Medicine, 2015, 7, 301ra130.	5.8	252
9	A screening approach reveals the influence of mineral coating morphology on human mesenchymal stem cell differentiation. Biotechnology Journal, 2013, 8, 496-501.	1.8	12
10	Inorganic coatings for optimized non-viral transfection of stem cells. Scientific Reports, 2013, 3, 1567.	1.6	38
11	On-Chip Stochastic Resonance of Ion Channel Systems With Variable Internal Noise. IEEE Transactions on Nanobioscience, 2012, 11, 169-175.	2.2	4
12	The effect of mineral coating morphology on mesenchymal stem cell attachment and expansion. Journal of Materials Chemistry, 2012, 22, 25288.	6.7	23
13	Environmental parameters influence non-viral transfection of human mesenchymal stem cells for tissue engineering applications. Cell and Tissue Research, 2012, 347, 689-699.	1.5	27
14	Sustained plasmid DNA release from dissolving mineral coatings. Acta Biomaterialia, 2010, 6, 3426-3435.	4.1	48
15	Multifunctional Mixed SAMs That Promote Both Cell Adhesion and Noncovalent DNA Immobilization. Langmuir, 2008, 24, 6873-6880.	1.6	32
16	Thermoreversible gelation of poly(ethylene oxide) biodegradable polyester block copolymers. II. Journal of Polymer Science Part A, 1999, 37, 2207-2218.	2.5	77
17	Characterization of Poly(ethylene oxide)-block-poly(L-lactide) by HPLC and MALDI-TOF Mass Spectrometry. Macromolecules, 1999, 32, 4143-4146.	2.2	57