Bo Ri Seo

List of Publications by Year
in descending order

22 papers	1,628 citations	471509 17 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	2760 citing authors

#	Article	IF	Citations
1	Obesity-dependent changes in interstitial ECM mechanics promote breast tumorigenesis. Science Translational Medicine, 2015, 7, 301ra130.	12.4	252
2	Macroscale biomaterials strategies for local immunomodulation. Nature Reviews Materials, 2019, 4, 379-397.	48.7	172
3	Viscoelastic surface electrode arrays to interface with viscoelastic tissues. Nature Nanotechnology, 2021, 16, 1019-1029.	31.5	144
4	Influencing the Tumor Microenvironment: A Phase II Study of Copper Depletion Using Tetrathiomolybdate in Patients with Breast Cancer at High Risk for Recurrence and in Preclinical Models of Lung Metastases. Clinical Cancer Research, 2017, 23, 666-676.	7.0	140
5	Implanted adipose progenitor cells as physicochemical regulators of breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9786-9791.	7.1	134
6	Collagen microarchitecture mechanically controls myofibroblast differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11387-11398.	7.1	127
7	Biomaterial-based scaffold for in situ chemo-immunotherapy to treat poorly immunogenic tumors. Nature Communications, 2020, 11, 5696.	12.8	99
8	Breast cancer cells alter the dynamics of stromal fibronectin-collagen interactions. Matrix Biology, 2017, 60-61, 86-95.	3.6	75
9	Stiffening and unfolding of early deposited-fibronectin increase proangiogenic factor secretion by breast cancer-associated stromal cells. Biomaterials, 2015, 54, 63-71.	11.4	67
10	In vitro models of tumor vessels and matrix: Engineering approaches to investigate transport limitations and drug delivery in cancer. Advanced Drug Delivery Reviews, 2014, 69-70, 205-216.	13.7	60
11	Fibronectin Mechanobiology Regulates Tumorigenesis. Cellular and Molecular Bioengineering, 2016, 9, 1-11.	2.1	57
12	Multiscale characterization of the mineral phase at skeletal sites of breast cancer metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10542-10547.	7.1	55
13	Compression-induced dedifferentiation of adipocytes promotes tumor progression. Science Advances, 2020, 6, eaax5611.	10.3	53
14	Collagen I hydrogel microstructure and composition conjointly regulate vascular network formation. Acta Biomaterialia, 2016, 44, 200-208.	8.3	45
15	Skeletal muscle regeneration with robotic actuationâ€“mediated clearance of neutrophils. Science Translational Medicine, 2021, 13, eabe8868.	12.4	42
16	Contractility, focal adhesion orientation, and stress fiber orientation drive cancer cell polarity and migration along wavy ECM substrates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
17	Treating ischemia via recruitment of antigen-specific T cells. Science Advances, 2019, 5, eaav6313.	10.3	26
18	Force Control of Textile-Based Soft Wearable Robots for Mechanotherapy. , 2018, , .		21

#	Article	IF	Citations
19	Recent and Future Strategies of Mechanotherapy for Tissue Regenerative Rehabilitation. ACS Biomaterials Science and Engineering, 2022, 8, 4639-4642.	5.2	9
20	Timed Delivery of Therapy Enhances Functional Muscle Regeneration. Advanced Healthcare Materials, 2017, 6, 1700202.	7.6	6
21	Generation of the Compression-induced Dedifferentiated Adipocytes (CiDAs) Using Hypertonic Medium. Bio-protocol, 2021, 11, e3920.	0.4	3
22	Immuneâ€responsive biodegradable scaffolds for enhancing neutrophil regeneration. Bioengineering and Translational Medicine, 2023, 8, .	7.1	2