

Alexander P Nesmith

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,781
citations

567144

15
h-index

996849

15
g-index

17
all docs

17
docs citations

17
times ranked

3253
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Prednisolone rescues Duchenne muscular dystrophy phenotypes in human pluripotent stem cell-derived skeletal muscle in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 32 |
| 2 | Continuous Formation of Ultrathin, Strong Collagen Sheets with Tunable Anisotropy and Compaction. ACS Biomaterials Science and Engineering, 2020, 6, 4236-4246. | 2.6 | 23 |
| 3 | Design and Fabrication of Fibrous Nanomaterials Using Pull Spinning. Macromolecular Materials and Engineering, 2017, 302, 1600404. | 1.7 | 41 |
| 4 | Toward improved myocardial maturity in an organ-on-chip platform with immature cardiac myocytes. Experimental Biology and Medicine, 2017, 242, 1643-1656. | 1.1 | 38 |
| 5 | Instrumented cardiac microphysiological devices via multimaterial three-dimensional printing. Nature Materials, 2017, 16, 303-308. | 13.3 | 652 |
| 6 | Mechanotransduction and Metabolism in Cardiomyocyte Microdomains. BioMed Research International, 2016, 2016, 1-17. | 0.9 | 30 |
| 7 | A human in vitro model of Duchenne muscular dystrophy muscle formation and contractility. Journal of Cell Biology, 2016, 215, 47-56. | 2.3 | 61 |
| 8 | Generation of human muscle fibers and satellite-like cells from human pluripotent stem cells in vitro. Nature Protocols, 2016, 11, 1833-1850. | 5.5 | 215 |
| 9 | The Role of Mechanotransduction on Vascular Smooth Muscle Myocytes Cytoskeleton and Contractile Function. Anatomical Record, 2014, 297, 1758-1769. | 0.8 | 38 |
| 10 | Micromolded gelatin hydrogels for extended culture of engineered cardiac tissues. Biomaterials, 2014, 35, 5462-5471. | 5.7 | 182 |
| 11 | The contractile strength of vascular smooth muscle myocytes is shape dependent. Integrative Biology (United Kingdom), 2014, 6, 152-163. | 0.6 | 34 |
| 12 | Human airway musculature on a chip: an in vitro model of allergic asthmatic bronchoconstriction and bronchodilation. Lab on A Chip, 2014, 14, 3925-3936. | 3.1 | 71 |
| 13 | Micropatterning Alginate Substrates for In Vitro Cardiovascular Muscle on a Chip. Advanced Functional Materials, 2013, 23, 3738-3746. | 7.8 | 103 |
| 14 | Muscle on a chip: In vitro contractility assays for smooth and striated muscle. Journal of Pharmacological and Toxicological Methods, 2012, 65, 126-135. | 0.3 | 147 |
| 15 | Vascular smooth muscle contractility depends on cell shape. Integrative Biology (United Kingdom), 2011, 3, 1063-1070. | 0.6 | 110 |