

Donald E Ingber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4463884/publications.pdf>

Version: 2024-02-01

253
papers

71,752
citations

699

121
h-index

764

249
g-index

291
all docs

291
docs citations

291
times ranked

51156
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Geometric Control of Cell Life and Death. <i>Science</i> , 1997, 276, 1425-1428. | 6.0 | 4,422 |
| 2 | Reconstituting Organ-Level Lung Functions on a Chip. <i>Science</i> , 2010, 328, 1662-1668. | 6.0 | 3,186 |
| 3 | Mechanotransduction across the cell surface and through the cytoskeleton. <i>Science</i> , 1993, 260, 1124-1127. | 6.0 | 2,714 |
| 4 | Microfluidic organs-on-chips. <i>Nature Biotechnology</i> , 2014, 32, 760-772. | 9.4 | 2,468 |
| 5 | Soft Lithography in Biology and Biochemistry. <i>Annual Review of Biomedical Engineering</i> , 2001, 3, 335-373. | 5.7 | 2,380 |
| 6 | Polycystins 1 and 2 mediate mechanosensation in the primary cilium of kidney cells. <i>Nature Genetics</i> , 2003, 33, 129-137. | 9.4 | 1,822 |
| 7 | Mechanotransduction at a distance: mechanically coupling the extracellular matrix with the nucleus. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 75-82. | 16.1 | 1,538 |
| 8 | From 3D cell culture to organs-on-chips. <i>Trends in Cell Biology</i> , 2011, 21, 745-754. | 3.6 | 1,514 |
| 9 | Demonstration of mechanical connections between integrins, cytoskeletal filaments, and nucleoplasm that stabilize nuclear structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 849-854. | 3.3 | 1,476 |
| 10 | Cellular mechanotransduction: putting all the pieces together again. <i>FASEB Journal</i> , 2006, 20, 811-827. | 0.2 | 1,428 |
| 11 | TENSEGRITY: THE ARCHITECTURAL BASIS OF CELLULAR MECHANOTRANSDUCTION. <i>Annual Review of Physiology</i> , 1997, 59, 575-599. | 5.6 | 1,423 |
| 12 | Engineering cell shape and function. <i>Science</i> , 1994, 264, 696-698. | 6.0 | 1,418 |
| 13 | Human gut-on-a-chip inhabited by microbial flora that experiences intestinal peristalsis-like motions and flow. <i>Lab on A Chip</i> , 2012, 12, 2165. | 3.1 | 1,304 |
| 14 | Tensegrity I. Cell structure and hierarchical systems biology. <i>Journal of Cell Science</i> , 2003, 116, 1157-1173. | 1.2 | 1,124 |
| 15 | Cellular tensegrity: defining new rules of biological design that govern the cytoskeleton. <i>Journal of Cell Science</i> , 1993, 104, 613-627. | 1.2 | 980 |
| 16 | Mechanochemical switching between growth and differentiation during fibroblast growth factor-stimulated angiogenesis in vitro: role of extracellular matrix.. <i>Journal of Cell Biology</i> , 1989, 109, 317-330. | 2.3 | 842 |
| 17 | A Human Disease Model of Drug Toxicityâ€“Induced Pulmonary Edema in a Lung-on-a-Chip Microdevice. <i>Science Translational Medicine</i> , 2012, 4, 159ra147. | 5.8 | 804 |
| 18 | Tensegrity II. How structural networks influence cellular information processing networks. <i>Journal of Cell Science</i> , 2003, 116, 1397-1408. | 1.2 | 757 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Mechanical control of tissue and organ development. <i>Development (Cambridge)</i> , 2010, 137, 1407-1420. | 1.2 | 732 |
| 20 | Mechanobiology and diseases of mechanotransduction. <i>Annals of Medicine</i> , 2003, 35, 564-577. | 1.5 | 726 |
| 21 | The structural and mechanical complexity of cell-growth control. <i>Nature Cell Biology</i> , 1999, 1, E131-E138. | 4.6 | 696 |
| 22 | Contributions of microbiome and mechanical deformation to intestinal bacterial overgrowth and inflammation in a human gut-on-a-chip. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7-15. | 3.3 | 652 |
| 23 | Human kidney proximal tubule-on-a-chip for drug transport and nephrotoxicity assessment. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 1119-1129. | 0.6 | 649 |
| 24 | Small airway-on-a-chip enables analysis of human lung inflammation and drug responses in vitro. <i>Nature Methods</i> , 2016, 13, 151-157. | 9.0 | 620 |
| 25 | Mechanical behavior in living cells consistent with the tensegrity model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 7765-7770. | 3.3 | 613 |
| 26 | Cell Fates as High-Dimensional Attractor States of a Complex Gene Regulatory Network. <i>Physical Review Letters</i> , 2005, 94, 128701. | 2.9 | 605 |
| 27 | Viscoelastic Retraction of Single Living Stress Fibers and Its Impact on Cell Shape, Cytoskeletal Organization, and Extracellular Matrix Mechanics. <i>Biophysical Journal</i> , 2006, 90, 3762-3773. | 0.2 | 601 |
| 28 | Microtubules can bear enhanced compressive loads in living cells because of lateral reinforcement. <i>Journal of Cell Biology</i> , 2006, 173, 733-741. | 2.3 | 585 |
| 29 | Microengineered physiological biomimicry: Organs-on-Chips. <i>Lab on A Chip</i> , 2012, 12, 2156. | 3.1 | 584 |
| 30 | Modelling cancer in microfluidic human organs-on-chips. <i>Nature Reviews Cancer</i> , 2019, 19, 65-81. | 12.8 | 582 |
| 31 | A bioinspired omniphobic surface coating on medical devices prevents thrombosis and biofouling. <i>Nature Biotechnology</i> , 2014, 32, 1134-1140. | 9.4 | 575 |
| 32 | Gut-on-a-Chip microenvironment induces human intestinal cells to undergo villus differentiation. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 1130. | 0.6 | 560 |
| 33 | Microfabrication of human organs-on-chips. <i>Nature Protocols</i> , 2013, 8, 2135-2157. | 5.5 | 558 |
| 34 | Preparation of poly(glycolic acid) bonded fiber structures for cell attachment and transplantation. <i>Journal of Biomedical Materials Research Part B</i> , 1993, 27, 183-189. | 3.0 | 546 |
| 35 | COVID-19 tissue atlases reveal SARS-CoV-2 pathology and cellular targets. <i>Nature</i> , 2021, 595, 107-113. | 13.7 | 537 |
| 36 | Development of a primary human Small Intestine-on-a-Chip using biopsy-derived organoids. <i>Scientific Reports</i> , 2018, 8, 2871. | 1.6 | 523 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Subcellular positioning of small molecules. <i>Nature</i> , 2001, 411, 1016-1016. | 13.7 | 496 |
| 38 | A mechanosensitive transcriptional mechanism that controls angiogenesis. <i>Nature</i> , 2009, 457, 1103-1108. | 13.7 | 487 |
| 39 | A complex human gut microbiome cultured in an anaerobic intestine-on-a-chip. <i>Nature Biomedical Engineering</i> , 2019, 3, 520-531. | 11.6 | 487 |
| 40 | How does extracellular matrix control capillary morphogenesis?. <i>Cell</i> , 1989, 58, 803-805. | 13.5 | 473 |
| 41 | Fibronectin controls capillary endothelial cell growth by modulating cell shape.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 3579-3583. | 3.3 | 469 |
| 42 | Engineered In Vitro Disease Models. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015, 10, 195-262. | 9.6 | 442 |
| 43 | The Architecture of Life. <i>Scientific American</i> , 1998, 278, 48-57. | 1.0 | 436 |
| 44 | Directional control of lamellipodia extension by constraining cell shape and orienting cell tractional forces. <i>FASEB Journal</i> , 2002, 16, 1195-1204. | 0.2 | 431 |
| 45 | Shear-Activated Nanotherapeutics for Drug Targeting to Obstructed Blood Vessels. <i>Science</i> , 2012, 337, 738-742. | 6.0 | 428 |
| 46 | Microfluidic Organ-on-a-Chip Models of Human Intestine. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 659-668. | 2.3 | 423 |
| 47 | Cellular adaptation to mechanical stress: role of integrins, Rho, cytoskeletal tension and mechanosensitive ion channels. <i>Journal of Cell Science</i> , 2006, 119, 508-518. | 1.2 | 401 |
| 48 | Geometric control of switching between growth, apoptosis, and differentiation during angiogenesis using micropatterned substrates. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1999, 35, 441-448. | 0.7 | 392 |
| 49 | Cell tension, matrix mechanics, and cancer development. <i>Cancer Cell</i> , 2005, 8, 175-176. | 7.7 | 377 |
| 50 | Mature induced-pluripotent-stem-cell-derived human podocytes reconstitute kidney glomerular-capillary-wall function on a chip. <i>Nature Biomedical Engineering</i> , 2017, 1, . | 11.6 | 376 |
| 51 | Paper-supported 3D cell culture for tissue-based bioassays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18457-18462. | 3.3 | 373 |
| 52 | Hypoxia-enhanced Blood-Brain Barrier Chip recapitulates human barrier function and shuttling of drugs and antibodies. <i>Nature Communications</i> , 2019, 10, 2621. | 5.8 | 371 |
| 53 | Bone marrow“on“a“chip replicates hematopoietic niche physiology in vitro. <i>Nature Methods</i> , 2014, 11, 663-669. | 9.0 | 369 |
| 54 | Mechanobiology and Developmental Control. <i>Annual Review of Cell and Developmental Biology</i> , 2013, 29, 27-61. | 4.0 | 367 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Insoluble fibronectin activates the Na/H antiporter by clustering and immobilizing integrin alpha 5 beta 1, independent of cell shape.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7849-7853. | 3.3 | 363 |
| 56 | Integrin binding and mechanical tension induce movement of mRNA and ribosomes to focal adhesions. Nature, 1998, 392, 730-733. | 13.7 | 361 |
| 57 | Human organs-on-chips for disease modelling, drug development and personalized medicine. Nature Reviews Genetics, 2022, 23, 467-491. | 7.7 | 361 |
| 58 | Self-assembly of three-dimensional prestressed tensegrity structures from DNA. Nature Nanotechnology, 2010, 5, 520-524. | 15.6 | 354 |
| 59 | Combined microfluidic-micromagnetic separation of living cells in continuous flow. Biomedical Microdevices, 2006, 8, 299-308. | 1.4 | 348 |
| 60 | Tensegrity, cellular biophysics, and the mechanics of living systems. Reports on Progress in Physics, 2014, 77, 046603. | 8.1 | 339 |
| 61 | Quantifying cell-generated mechanical forces within living embryonic tissues. Nature Methods, 2014, 11, 183-189. | 9.0 | 336 |
| 62 | Distinct Contributions of Astrocytes and Pericytes to Neuroinflammation Identified in a 3D Human Blood-Brain Barrier on a Chip. PLoS ONE, 2016, 11, e0150360. | 1.1 | 335 |
| 63 | Mechanosensitive mechanisms in transcriptional regulation. Journal of Cell Science, 2012, 125, 3061-73. | 1.2 | 332 |
| 64 | Prevascularization of porous biodegradable polymers. Biotechnology and Bioengineering, 1993, 42, 716-723. | 1.7 | 331 |
| 65 | Tumor-Derived Extracellular Vesicles Breach the Intact Blood-Brain Barrier via Transcytosis. ACS Nano, 2019, 13, 13853-13865. | 7.3 | 326 |
| 66 | Using Mixed Self-Assembled Monolayers Presenting RGD and (EG)3OH Groups To Characterize Long-Term Attachment of Bovine Capillary Endothelial Cells to Surfaces. Journal of the American Chemical Society, 1998, 120, 6548-6555. | 6.6 | 325 |
| 67 | Human Organ Chip Models Recapitulate Orthotopic Lung Cancer Growth, Therapeutic Responses, and Tumor Dormancy In Vitro. Cell Reports, 2017, 21, 508-516. | 2.9 | 324 |
| 68 | TRPV4 Channels Mediate Cyclic Strain-Induced Endothelial Cell Reorientation Through Integrin-to-Integrin Signaling. Circulation Research, 2009, 104, 1123-1130. | 2.0 | 310 |
| 69 | A linked organ-on-chip model of the human neurovascular unit reveals the metabolic coupling of endothelial and neuronal cells. Nature Biotechnology, 2018, 36, 865-874. | 9.4 | 310 |
| 70 | Mechanical control of tissue morphogenesis during embryological development. International Journal of Developmental Biology, 2006, 50, 255-266. | 0.3 | 305 |
| 71 | Organs-on-chips with integrated electrodes for trans-epithelial electrical resistance (TEER) measurements of human epithelial barrier function. Lab on A Chip, 2017, 17, 2264-2271. | 3.1 | 300 |
| 72 | Patterning Mammalian Cells Using Elastomeric Membranes. Langmuir, 2000, 16, 7811-7819. | 1.6 | 295 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | Reproducing human and cross-species drug toxicities using a Liver-Chip. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 287 |
| 74 | Nanomagnetic actuation of receptor-mediated signal transduction. <i>Nature Nanotechnology</i> , 2008, 3, 36-40. | 15.6 | 285 |
| 75 | Quantitative prediction of human pharmacokinetic responses to drugs via fluidically coupled vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020, 4, 421-436. | 11.6 | 280 |
| 76 | Tissue Engineering and Developmental Biology: Going Biomimetic. <i>Tissue Engineering</i> , 2006, 12, 3265-3283. | 4.9 | 273 |
| 77 | An antifouling coating that enables affinity-based electrochemical biosensing in complex biological fluids. <i>Nature Nanotechnology</i> , 2019, 14, 1143-1149. | 15.6 | 266 |
| 78 | A combined micromagnetic-microfluidic device for rapid capture and culture of rare circulating tumor cells. <i>Lab on A Chip</i> , 2012, 12, 2175. | 3.1 | 261 |
| 79 | Can cancer be reversed by engineering the tumor microenvironment?. <i>Seminars in Cancer Biology</i> , 2008, 18, 356-364. | 4.3 | 259 |
| 80 | Robotic fluidic coupling and interrogation of multiple vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020, 4, 407-420. | 11.6 | 256 |
| 81 | An extracorporeal blood-cleansing device for sepsis therapy. <i>Nature Medicine</i> , 2014, 20, 1211-1216. | 15.2 | 254 |
| 82 | Mechanical control of cyclic AMP signalling and gene transcription through integrins. <i>Nature Cell Biology</i> , 2000, 2, 666-668. | 4.6 | 238 |
| 83 | Primary Human Lung Alveolus-on-a-chip Model of Intravascular Thrombosis for Assessment of Therapeutics. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 332-340. | 2.3 | 238 |
| 84 | Control of basement membrane remodeling and epithelial branching morphogenesis in embryonic lung by Rho and cytoskeletal tension. <i>Developmental Dynamics</i> , 2005, 232, 268-281. | 0.8 | 237 |
| 85 | A human-airway-on-a-chip for the rapid identification of candidate antiviral therapeutics and prophylactics. <i>Nature Biomedical Engineering</i> , 2021, 5, 815-829. | 11.6 | 228 |
| 86 | Matched-Comparative Modeling of Normal and Diseased Human Airway Responses Using a Microengineered Breathing Lung Chip. <i>Cell Systems</i> , 2016, 3, 456-466.e4. | 2.9 | 227 |
| 87 | Ultra-rapid activation of TRPV4 ion channels by mechanical forces applied to cell surface β 1 integrins. <i>Integrative Biology (United Kingdom)</i> , 2010, 2, 435. | 0.6 | 222 |
| 88 | Selective Deposition of Proteins and Cells in Arrays of Microwells. <i>Langmuir</i> , 2001, 17, 2828-2834. | 1.6 | 221 |
| 89 | Cellular tensegrity: defining new rules of biological design that govern the cytoskeleton. <i>Journal of Cell Science</i> , 1993, 104 (Pt 3), 613-27. | 1.2 | 219 |
| 90 | Mechanotransduction of fluid stresses governs 3D cell migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2447-2452. | 3.3 | 214 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | The riddle of morphogenesis: A question of solution chemistry or molecular cell engineering?. Cell, 1993, 75, 1249-1252. | 13.5 | 213 |
| 92 | Probing transmembrane mechanical coupling and cytomechanics using magnetic twisting cytometry. Biochemistry and Cell Biology, 1995, 73, 327-335. | 0.9 | 213 |
| 93 | A Microstructural Approach to Cytoskeletal Mechanics based on Tensegrity. Journal of Theoretical Biology, 1996, 181, 125-136. | 0.8 | 212 |
| 94 | Mechanical forces alter zyxin unbinding kinetics within focal adhesions of living cells. Journal of Cellular Physiology, 2006, 207, 187-194. | 2.0 | 201 |
| 95 | Nanoparticle targeting of anti-cancer drugs that alter intracellular signaling or influence the tumor microenvironment. Advanced Drug Delivery Reviews, 2014, 79-80, 107-118. | 6.6 | 199 |
| 96 | Role of basal lamina in neoplastic disorganization of tissue architecture.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 3901-3905. | 3.3 | 190 |
| 97 | Role of RhoA, mDia, and ROCK in Cell Shape-dependent Control of the Skp2-p27 Pathway and the G1/S Transition. Journal of Biological Chemistry, 2004, 279, 26323-26330. | 1.6 | 190 |
| 98 | Mechanical control of tissue growth: Function follows form. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11571-11572. | 3.3 | 189 |
| 99 | Cytoskeletal control of growth and cell fate switching. Current Opinion in Cell Biology, 2009, 21, 864-870. | 2.6 | 189 |
| 100 | Organs-on-Chips with combined multi-electrode array and transepithelial electrical resistance measurement capabilities. Lab on A Chip, 2017, 17, 2294-2302. | 3.1 | 188 |
| 101 | Controlling Mammalian Cell Spreading and Cytoskeletal Arrangement with Conveniently Fabricated Continuous Wavy Features on Poly(dimethylsiloxane). Langmuir, 2002, 18, 3273-3280. | 1.6 | 185 |
| 102 | Gene Expression Dynamics Inspector (GEDI): for integrative analysis of expression profiles. Bioinformatics, 2003, 19, 2321-2322. | 1.8 | 184 |
| 103 | Modulation of the Cellular Uptake of DNA Origami through Control over Mass and Shape. Nano Letters, 2018, 18, 3557-3564. | 4.5 | 183 |
| 104 | Extracellular matrix controls myosin light chain phosphorylation and cell contractility through modulation of cell shape and cytoskeletal prestress. American Journal of Physiology - Cell Physiology, 2004, 286, C518-C528. | 2.1 | 182 |
| 105 | Stability of Surface-Immobilized Lubricant Interfaces under Flow. Chemistry of Materials, 2015, 27, 1792-1800. | 3.2 | 181 |
| 106 | Micromagnetic microfluidic blood cleansing device. Lab on A Chip, 2009, 9, 1171. | 3.1 | 178 |
| 107 | Mechanochemical Control of Mesenchymal Condensation and Embryonic Tooth Organ Formation. Developmental Cell, 2011, 21, 758-769. | 3.1 | 175 |
| 108 | Reverse Engineering Human Pathophysiology with Organs-on-Chips. Cell, 2016, 164, 1105-1109. | 13.5 | 170 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | On-chip recapitulation of clinical bone marrow toxicities and patient-specific pathophysiology. <i>Nature Biomedical Engineering</i> , 2020, 4, 394-406. | 11.6 | 170 |
| 110 | Is it Time for Reviewer 3 to Request Human Organ Chip Experiments Instead of Animal Validation Studies?. <i>Advanced Science</i> , 2020, 7, 2002030. | 5.6 | 159 |
| 111 | Measuring direct current trans-epithelial electrical resistance in organ-on-a-chip microsystems. <i>Lab on A Chip</i> , 2015, 15, 745-752. | 3.1 | 155 |
| 112 | Human Gut-On-A-Chip Supports Polarized Infection of Coxsackie B1 Virus In Vitro. <i>PLoS ONE</i> , 2017, 12, e0169412. | 1.1 | 148 |
| 113 | Cytoskeletal Mechanics in Pressure-Overload Cardiac Hypertrophy. <i>Circulation Research</i> , 1997, 80, 281-289. | 2.0 | 147 |
| 114 | Mechanical continuity and reversible chromosome disassembly within intact genomes removed from living cells. <i>Journal of Cellular Biochemistry</i> , 1997, 65, 114-130. | 1.2 | 141 |
| 115 | Directional control of cell motility through focal adhesion positioning and spatial control of Rac activation. <i>FASEB Journal</i> , 2008, 22, 1649-1659. | 0.2 | 140 |
| 116 | Human Colon-on-a-Chip Enables Continuous In Vitro Analysis of Colon Mucus Layer Accumulation and Physiology. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 507-526. | 2.3 | 140 |
| 117 | Modeling radiation injury-induced cell death and countermeasure drug responses in a human Gut-on-a-Chip. <i>Cell Death and Disease</i> , 2018, 9, 223. | 2.7 | 138 |
| 118 | A shear gradient-activated microfluidic device for automated monitoring of whole blood haemostasis and platelet function. <i>Nature Communications</i> , 2016, 7, 10176. | 5.8 | 134 |
| 119 | Physiologically Based Pharmacokinetic and Pharmacodynamic Analysis Enabled by Microfluidically Linked Organs-on-Chips. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 37-64. | 4.2 | 133 |
| 120 | Hepatocyte culture on biodegradable polymeric substrates. <i>Biotechnology and Bioengineering</i> , 1991, 38, 145-158. | 1.7 | 129 |
| 121 | Mechanical properties of individual focal adhesions probed with a magnetic microneedle. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 758-764. | 1.0 | 128 |
| 122 | Activation of mechanosensitive ion channel TRPV4 normalizes tumor vasculature and improves cancer therapy. <i>Oncogene</i> , 2016, 35, 314-322. | 2.6 | 127 |
| 123 | Human Intestinal Morphogenesis Controlled by Transepithelial Morphogen Gradient and Flow-Dependent Physical Cues in a Microengineered Gut-on-a-Chip. <i>IScience</i> , 2019, 15, 391-406. | 1.9 | 127 |
| 124 | Topographical Micropatterning of Poly(dimethylsiloxane) Using Laminar Flows of Liquids in Capillaries. <i>Advanced Materials</i> , 2001, 13, 570-574. | 11.1 | 126 |
| 125 | Directed differentiation of human induced pluripotent stem cells into mature kidney podocytes and establishment of a Glomerulus Chip. <i>Nature Protocols</i> , 2018, 13, 1662-1685. | 5.5 | 125 |
| 126 | A combinatorial cell-laden gel microarray for inducing osteogenic differentiation of human mesenchymal stem cells. <i>Scientific Reports</i> , 2014, 4, 3896. | 1.6 | 123 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 365-394. | 0.9 | 123 |
| 128 | Control of lung vascular permeability and endotoxin-induced pulmonary oedema by changes in extracellular matrix mechanics. <i>Nature Communications</i> , 2013, 4, 1759. | 5.8 | 119 |
| 129 | Platform for High-Throughput Testing of the Effect of Soluble Compounds on 3D Cell Cultures. <i>Analytical Chemistry</i> , 2013, 85, 8085-8094. | 3.2 | 115 |
| 130 | Global cytoskeletal control of mechanotransduction in kidney epithelial cells. <i>Experimental Cell Research</i> , 2004, 301, 23-30. | 1.2 | 110 |
| 131 | Non-invasive sensing of transepithelial barrier function and tissue differentiation in organs-on-chips using impedance spectroscopy. <i>Lab on A Chip</i> , 2019, 19, 452-463. | 3.1 | 106 |
| 132 | Manufacturing of Large-Scale Functional Objects Using Biodegradable Chitosan Bioplastic. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 932-938. | 1.7 | 102 |
| 133 | Species-specific enhancement of enterohemorrhagic <i>E. coli</i> pathogenesis mediated by microbiome metabolites. <i>Microbiome</i> , 2019, 7, 43. | 4.9 | 102 |
| 134 | Clear castable polyurethane elastomer for fabrication of microfluidic devices. <i>Lab on A Chip</i> , 2013, 13, 3956. | 3.1 | 101 |
| 135 | Assessment of whole blood thrombosis in a microfluidic device lined by fixed human endothelium. <i>Biomedical Microdevices</i> , 2016, 18, 73. | 1.4 | 101 |
| 136 | Inhibition of Mammary Tumor Growth Using Lysyl Oxidase-Targeting Nanoparticles to Modify Extracellular Matrix. <i>Nano Letters</i> , 2012, 12, 3213-3217. | 4.5 | 97 |
| 137 | Unexpected Strength and Toughness in Chitosan-Fibroin Laminates Inspired by Insect Cuticle. <i>Advanced Materials</i> , 2012, 24, 480-484. | 11.1 | 97 |
| 138 | Filamin links cell shape and cytoskeletal structure to Rho regulation by controlling accumulation of p190RhoGAP in lipid rafts. <i>Journal of Cell Science</i> , 2007, 120, 456-467. | 1.2 | 93 |
| 139 | Basement membrane as a spatial organizer of polarized epithelia. Exogenous basement membrane reorients pancreatic epithelial tumor cells in vitro. <i>American Journal of Pathology</i> , 1986, 122, 129-39. | 1.9 | 93 |
| 140 | Organ-on-a-Chip Recapitulates Thrombosis Induced by an anti-CD154 Monoclonal Antibody: Translational Potential of Advanced Microengineered Systems. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 104, 1240-1248. | 2.3 | 91 |
| 141 | From Cellular Mechanotransduction to Biologically Inspired Engineering. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1148-1161. | 1.3 | 85 |
| 142 | A multi-modular tensegrity model of an actin stress fiber. <i>Journal of Biomechanics</i> , 2008, 41, 2379-2387. | 0.9 | 84 |
| 143 | Human Organs-on-Chips for Virology. <i>Trends in Microbiology</i> , 2020, 28, 934-946. | 3.5 | 81 |
| 144 | Developmentally inspired human "organs on chips"™. <i>Development (Cambridge)</i> , 2018, 145, . | 1.2 | 77 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Biomechanical forces promote blood development through prostaglandin E2 and the cAMP/PKA signaling axis. <i>Journal of Experimental Medicine</i> , 2015, 212, 665-680. | 4.2 | 74 |
| 146 | A Discrete Cell Cycle Checkpoint in Late G1 That Is Cytoskeleton-Dependent and MAP Kinase (Erk)-Independent. <i>Experimental Cell Research</i> , 2002, 275, 255-264. | 1.2 | 73 |
| 147 | Silencing <i>HoxA1</i> by Intraductal Injection of siRNA Lipidoid Nanoparticles Prevents Mammary Tumor Progression in Mice. <i>Science Translational Medicine</i> , 2014, 6, 217ra2. | 5.8 | 66 |
| 148 | Improved treatment of systemic blood infections using antibiotics with extracorporeal opsonin hemoadsorption. <i>Biomaterials</i> , 2015, 67, 382-392. | 5.7 | 65 |
| 149 | Control of cancer formation by intrinsic genetic noise and microenvironmental cues. <i>Nature Reviews Cancer</i> , 2015, 15, 499-509. | 12.8 | 65 |
| 150 | SEBS elastomers for fabrication of microfluidic devices with reduced drug absorption by injection molding and extrusion. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1. | 1.0 | 65 |
| 151 | YAP Regulates Hematopoietic Stem Cell Formation in Response to the Biomechanical Forces of Blood Flow. <i>Developmental Cell</i> , 2020, 52, 446-460.e5. | 3.1 | 65 |
| 152 | Stationary nanoliter droplet array with a substrate of choice for single adherent/nonadherent cell incubation and analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11293-11298. | 3.3 | 64 |
| 153 | Tensegrity-guided self assembly: from molecules to living cells. <i>Soft Matter</i> , 2009, 5, 1137-1145. | 1.2 | 62 |
| 154 | A mini-microscope for in situ monitoring of cells. <i>Lab on A Chip</i> , 2012, 12, 3976. | 3.1 | 60 |
| 155 | Cellular nanoscale stiffness patterns governed by intracellular forces. <i>Nature Materials</i> , 2019, 18, 1071-1077. | 13.3 | 60 |
| 156 | Mechanical continuity and reversible chromosome disassembly within intact genomes removed from living cells. <i>Journal of Cellular Biochemistry</i> , 1997, 65, 114-30. | 1.2 | 59 |
| 157 | Human Lung Small Airway-on-a-Chip Protocol. <i>Methods in Molecular Biology</i> , 2017, 1612, 345-365. | 0.4 | 58 |
| 158 | Ultrasound-sensitive nanoparticle aggregates for targeted drug delivery. <i>Biomaterials</i> , 2017, 139, 187-194. | 5.7 | 58 |
| 159 | Cytoskeletal filament assembly and the control of cell spreading and function by extracellular matrix. <i>Journal of Cell Science</i> , 1995, 108 (Pt 6), 2311-20. | 1.2 | 57 |
| 160 | A microdevice for rapid optical detection of magnetically captured rare blood pathogens. <i>Lab on A Chip</i> , 2014, 14, 182-188. | 3.1 | 55 |
| 161 | PAR1 agonists stimulate APC-like endothelial cytoprotection and confer resistance to thromboinflammatory injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E982-E991. | 3.3 | 55 |
| 162 | Platelet decoys inhibit thrombosis and prevent metastatic tumor formation in preclinical models. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 55 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | The origin of cellular life. <i>BioEssays</i> , 2000, 22, 1160-1170. | 1.2 | 54 |
| 164 | Graphene Enabled Low-Noise Surface Chemistry for Multiplexed Sepsis Biomarker Detection in Whole Blood. <i>Advanced Functional Materials</i> , 2021, 31, 2010638. | 7.8 | 54 |
| 165 | Modeling Hematopoiesis and Responses to Radiation Countermeasures in a Bone Marrow-on-a-Chip. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 509-515. | 1.1 | 53 |
| 166 | Mechanical control of innate immune responses against viral infection revealed in a human lung alveolus chip. <i>Nature Communications</i> , 2022, 13, 1928. | 5.8 | 53 |
| 167 | Synaptic Reorganization in Scaled Networks of Controlled Size. <i>Journal of Neuroscience</i> , 2007, 27, 13581-13589. | 1.7 | 52 |
| 168 | Treatment of psoriasis with NFKBIZ siRNA using topical ionic liquid formulations. <i>Science Advances</i> , 2020, 6, eabb6049. | 4.7 | 52 |
| 169 | Enteric Coronavirus Infection and Treatment Modeled With an Immunocompetent Human Intestine-On-A-Chip. <i>Frontiers in Pharmacology</i> , 2021, 12, 718484. | 1.6 | 52 |
| 170 | Modeling pulmonary cystic fibrosis in a human lung airway-on-a-chip. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 606-615. | 0.3 | 52 |
| 171 | Control of Embryonic Lung Branching Morphogenesis by the Rho Activator, Cytotoxic Necrotizing Factor 1. <i>Journal of Surgical Research</i> , 2002, 104, 95-100. | 0.8 | 50 |
| 172 | Bioinspired Chitinous Material Solutions for Environmental Sustainability and Medicine. <i>Advanced Functional Materials</i> , 2013, 23, 4454-4466. | 7.8 | 50 |
| 173 | Simulating drug concentrations in PDMS microfluidic organ chips. <i>Lab on A Chip</i> , 2021, 21, 3509-3519. | 3.1 | 50 |
| 174 | Mechanical control of cAMP signaling through integrins is mediated by the heterotrimeric G $\beta\gamma$ protein. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 529-538. | 1.2 | 49 |
| 175 | Hollow Fibers for Hepatocyte Encapsulation and Transplantation: Studies of Survival and Function in Rats. <i>Cell Transplantation</i> , 1994, 3, 373-385. | 1.2 | 45 |
| 176 | Fibronectin Unfolding Revisited: Modeling Cell Traction-Mediated Unfolding of the Tenth Type-III Repeat. <i>PLoS ONE</i> , 2008, 3, e2373. | 1.1 | 45 |
| 177 | Targeted Drug Delivery to Flow-Obstructed Blood Vessels Using Mechanically Activated Nanotherapeutics. <i>JAMA Neurology</i> , 2015, 72, 119. | 4.5 | 43 |
| 178 | Co-culture of Living Microbiome with Microengineered Human Intestinal Villi in a Gut-on-a-Chip Microfluidic Device. <i>Journal of Visualized Experiments</i> , 2016, , . | 0.2 | 43 |
| 179 | Emerging preclinical evidence does not support broad use of hydroxychloroquine in COVID-19 patients. <i>Nature Communications</i> , 2020, 11, 4253. | 5.8 | 43 |
| 180 | A Biologically Inspired, Functionally Graded End Effector for Soft Robotics Applications. <i>Soft Robotics</i> , 2017, 4, 317-323. | 4.6 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 181 | Paxillin Mediates Sensing of Physical Cues and Regulates Directional Cell Motility by Controlling Lamellipodia Positioning. PLoS ONE, 2011, 6, e28303. | 1.1 | 40 |
| 182 | A Broad-Spectrum Infection Diagnostic that Detects Pathogen-Associated Molecular Patterns (PAMPs) in Whole Blood. EBioMedicine, 2016, 9, 217-227. | 2.7 | 40 |
| 183 | Integrins $\alpha 1$, $\alpha 6$, and $\alpha 3$ contribute to mechanical strain-induced differentiation of fetal lung type II epithelial cells via distinct mechanisms. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L343-L350. | 1.3 | 39 |
| 184 | Shear-Activated Nanoparticle Aggregates Combined With Temporary Endovascular Bypass to Treat Large Vessel Occlusion. Stroke, 2015, 46, 3507-3513. | 1.0 | 39 |
| 185 | Optimization of Pathogen Capture in Flowing Fluids with Magnetic Nanoparticles. Small, 2015, 11, 5657-5666. | 5.2 | 38 |
| 186 | Enabling Multiplexed Electrochemical Detection of Biomarkers with High Sensitivity in Complex Biological Samples. Accounts of Chemical Research, 2021, 54, 3529-3539. | 7.6 | 37 |
| 187 | Paxillin controls endothelial cell migration and tumor angiogenesis by altering neuropilin 2 expression. Journal of Cell Science, 2014, 127, 1672-1683. | 1.2 | 35 |
| 188 | Control of capillary growth and differentiation by extracellular matrix. Use of a tensegrity (tensional integrity) mechanism for signal processing. Chest, 1991, 99, 34S-40S. | 0.4 | 35 |
| 189 | Breast cancer normalization induced by embryonic mesenchyme is mediated by extracellular matrix biglycan. Integrative Biology (United Kingdom), 2013, 5, 1045-1056. | 0.6 | 33 |
| 190 | From mechanobiology to developmentally inspired engineering. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170323. | 1.8 | 32 |
| 191 | How Changes in Extracellular Matrix Mechanics and Gene Expression Variability Might Combine to Drive Cancer Progression. PLoS ONE, 2013, 8, e76122. | 1.1 | 32 |
| 192 | Ectopic Lymphoid Follicle Formation and Human Seasonal Influenza Vaccination Responses Recapitulated in an Organ-on-a-Chip. Advanced Science, 2022, 9, e2103241. | 5.6 | 32 |
| 193 | DNA topoisomerase II can drive changes in higher order chromosome architecture without enzymatically modifying DNA. , 1998, 69, 127-142. | | 31 |
| 194 | Biomaterial vaccines capturing pathogen-associated molecular patterns protect against bacterial infections and septic shock. Nature Biomedical Engineering, 2022, 6, 8-18. | 11.6 | 31 |
| 195 | Clinically Relevant Influenza Virus Evolution Reconstituted in a Human Lung Airway-on-a-Chip. Microbiology Spectrum, 2021, 9, e0025721. | 1.2 | 31 |
| 196 | Programed Death is Favored by Natural Selection in Spatial Systems. Physical Review Letters, 2015, 114, 238103. | 2.9 | 30 |
| 197 | Biomimetic smoking robot for in vitro inhalation exposure compatible with microfluidic organ chips. Nature Protocols, 2020, 15, 183-206. | 5.5 | 30 |
| 198 | Rapid Isolation of Staphylococcus aureus Pathogens from Infected Clinical Samples Using Magnetic Beads Coated with Fc-Mannose Binding Lectin. PLoS ONE, 2016, 11, e0156287. | 1.1 | 30 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 199 | An artificial vasculature for adaptive thermal control of windows. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 429-436. | 3.0 | 29 |
| 200 | Ultrarapid Method for Coating Electrochemical Sensors with Antifouling Conductive Nanomaterials Enables Highly Sensitive Multiplexed Detection in Whole Blood. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102244. | 3.9 | 29 |
| 201 | Integrins, tensegrity, and mechanotransduction. <i>Gravitational and Space Biology Bulletin: Publication of the American Society for Gravitational and Space Biology</i> , 1997, 10, 49-55. | 1.0 | 29 |
| 202 | Harnessing Colon Chip Technology to Identify Commensal Bacteria That Promote Host Tolerance to Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 638014. | 1.8 | 28 |
| 203 | Intraductal Injection for Localized Drug Delivery to the Mouse Mammary Gland. <i>Journal of Visualized Experiments</i> , 2013, , . | 0.2 | 27 |
| 204 | Developmentallyâ€inspired Shrinkâ€Wrap Polymers for Mechanical Induction of Tissue Differentiation. <i>Advanced Materials</i> , 2014, 26, 3253-3257. | 11.1 | 25 |
| 205 | SLISWD Sequence in the 10FNIII Domain Initiates Fibronectin Fibrillogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 21329-21340. | 1.6 | 24 |
| 206 | Scalable Fabrication of Stretchable, Dual Channel, Microfluidic Organ Chips. <i>Journal of Visualized Experiments</i> , 2018, , . | 0.2 | 24 |
| 207 | Controllable Fabrication of Inhomogeneous Microcapsules for Triggered Release by Osmotic Pressure. <i>Small</i> , 2019, 15, e1903087. | 5.2 | 23 |
| 208 | Broad-spectrum capture of clinical pathogens using engineered Fc-mannose-binding lectin enhanced by antibiotic treatment. <i>F1000Research</i> , 2019, 8, 108. | 0.8 | 23 |
| 209 | Molecular mapping of transmembrane mechanotransduction through the Î²1 integrin-CD98hc-TRPV4 axis. <i>Journal of Cell Science</i> , 2020, 133, . | 1.2 | 21 |
| 210 | AAV-mediated gene therapy targeting TRPV4 mechanotransduction for inhibition of pulmonary vascular leakage. <i>APL Bioengineering</i> , 2019, 3, 046103. | 3.3 | 20 |
| 211 | Origami microfluidics for radiant cooling with small temperature differences in buildings. <i>Applied Energy</i> , 2020, 277, 115610. | 5.1 | 20 |
| 212 | Nutritional deficiency in an intestine-on-a-chip recapitulates injury hallmarks associated with environmental enteric dysfunction. <i>Nature Biomedical Engineering</i> , 2022, 6, 1236-1247. | 11.6 | 20 |
| 213 | Mesenchymal condensationâ€dependent accumulation of collagen VI stabilizes organâ€specific cell fates during embryonic tooth formation. <i>Developmental Dynamics</i> , 2015, 244, 713-723. | 0.8 | 19 |
| 214 | Establishment of physiologically relevant oxygen gradients in microfluidic organ chips. <i>Lab on A Chip</i> , 2022, 22, 1584-1593. | 3.1 | 18 |
| 215 | Paxillin controls directional cell motility in response to physical cues. <i>Cell Adhesion and Migration</i> , 2012, 6, 502-508. | 1.1 | 17 |
| 216 | Direct Bonding of Chitosan Biomaterials to Tissues Using Transglutaminase for Surgical Repair or Device Implantation. <i>Tissue Engineering - Part A</i> , 2017, 23, 135-142. | 1.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 217 | Transferrin receptor targeting by de novo sheet extension. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 17 |
| 218 | Application of a Halbach magnetic array for long-range cell and particle separations in biological samples. Applied Physics Letters, 2016, 108, . | 1.5 | 16 |
| 219 | Mechanical induction of dentin-like differentiation by adult mouse bone marrow stromal cells using compressive scaffolds. Stem Cell Research, 2017, 24, 55-60. | 0.3 | 15 |
| 220 | The Wyss institute: A new model for medical technology innovation and translation across the academicâ€Industrial interface. Bioengineering and Translational Medicine, 2017, 2, 247-257. | 3.9 | 15 |
| 221 | Multi-scale modeling reveals use of hierarchical tensegrity principles at the molecular, multi-molecular, and cellular levels. Extreme Mechanics Letters, 2018, 20, 21-28. | 2.0 | 15 |
| 222 | Biofabrication of Multiplexed Electrochemical Immunosensors for Simultaneous Detection of Clinical Biomarkers in Complex Fluids. Advanced Healthcare Materials, 2022, 11, . | 3.9 | 14 |
| 223 | What Can an Organ-on-a-Chip Teach Us About Human Lung Pathophysiology?. Physiology, 2022, 37, 242-252. | 1.6 | 14 |
| 224 | Generation of biocompatible droplets for in vivo and in vitro measurement of cell-generated mechanical stresses. Methods in Cell Biology, 2015, 125, 373-390. | 0.5 | 13 |
| 225 | Evidence generation and reproducibility in cell and gene therapy research: A call to action. Molecular Therapy - Methods and Clinical Development, 2021, 22, 11-14. | 1.8 | 13 |
| 226 | Proteomic and Metabolomic Characterization of Human Neurovascular Unit Cells in Response to Methamphetamine. Advanced Biology, 2020, 4, 1900230. | 3.0 | 12 |
| 227 | Anomalous COVID-19 tests hinder researchers. Science, 2021, 371, 244-245. | 6.0 | 11 |
| 228 | Mechanosensation Mediates Longâ€Range Spatial Decisionâ€Making in an Aneural Organism. Advanced Materials, 2021, 33, e2008161. | 11.1 | 11 |
| 229 | Rapid Coating Process Generates Omniphobic Dentures in Minutes to Reduce <i>C. albicans</i> Biofouling. ACS Biomaterials Science and Engineering, 2019, 5, 420-424. | 2.6 | 10 |
| 230 | Laboratory-Generated DNA Can Cause Anomalous Pathogen Diagnostic Test Results. Microbiology Spectrum, 2021, 9, e0031321. | 1.2 | 10 |
| 231 | Commendation for Exposing Key Advantage of Organ Chip Approach. Cell Systems, 2016, 3, 411. | 2.9 | 9 |
| 232 | An Engineered Human Fcâ€Mannoseâ€Bindingâ€Lectin Captures Circulating Tumor Cells. Advanced Biology, 2017, 1, 1700094. | 3.0 | 9 |
| 233 | Rapid Prototyping of Thermoplastic Microfluidic Devices. Methods in Molecular Biology, 2018, 1771, 161-170. | 0.4 | 9 |
| 234 | Art Advancing Science: Filmmaking Leads to Molecular Insights at the Nanoscale. ACS Nano, 2017, 11, 12156-12166. | 7.3 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 235 | Theory and associated phenomenology for intrinsic mortality arising from natural selection. PLoS ONE, 2017, 12, e0173677. | 1.1 | 8 |
| 236 | Control of the direction of lamellipodia extension through changes in the balance between Rac and Rho activities. MCB Molecular and Cellular Biomechanics, 2005, 2, 135-43. | 0.3 | 8 |
| 237 | Shear-Responsive Platelet Mimetics for Targeted Drug Delivery. Israel Journal of Chemistry, 2013, 53, 610-615. | 1.0 | 5 |
| 238 | New anticoagulant coatings and hemostasis assessment tools to avoid complications with pediatric left ventricular assist devices. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 1364-1366. | 0.4 | 5 |
| 239 | Establishment of a Modular Anaerobic Human Intestine Chip. Methods in Molecular Biology, 2022, 2373, 69-85. | 0.4 | 5 |
| 240 | Enabling out-of-body experiences for living organs. Journal of Experimental Medicine, 2021, 218, . | 4.2 | 4 |
| 241 | Mechanobiology, Tissue Development and Organ Engineering. , 2014, , 309-322. | | 3 |
| 242 | A Chemical APC Mimetic Protects Endothelium from Thromboinflammatory Injury. Blood, 2016, 128, 3835-3835. | 0.6 | 3 |
| 243 | Enhancers of Host Immune Tolerance to Bacterial Infection Discovered Using Linked Computational and Experimental Approaches. Advanced Science, 2022, 9, . | 5.6 | 3 |
| 244 | Bioinspired design and optimization for thin film wearable and building cooling systems. Bioinspiration and Biomimetics, 2021, , . | 1.5 | 2 |
| 245 | Vascular Control through Tensegrity-Based Integration of Mechanics and Chemistry. , 0, , 1786-1792. | | 1 |
| 246 | Developmentally Inspired Regenerative Organ Engineering. , 2015, , 17-24. | | 1 |
| 247 | Cycling through the menstrual cycle "an out-of-body experience. Nature Reviews Endocrinology, 2017, 13, 380-382. | 4.3 | 1 |
| 248 | Chitosan-Fibroin Laminates: Unexpected Strength and Toughness in Chitosan-Fibroin Laminates Inspired by Insect Cuticle (Adv. Mater. 4/2012). Advanced Materials, 2012, 24, 446-446. | 11.1 | 0 |
| 249 | Seeing Your Way to New Insights in Biology. Journal of Molecular Biology, 2019, 431, 2485-2486. | 2.0 | 0 |
| 250 | Abstract WP437: Shear-activated Nanoparticle Aggregate Lysis Combined With Temporary Stent-bypass to Treat Emergent Large Vessel Occlusions (ELVO). Stroke, 2016, 47, . | 1.0 | 0 |
| 251 | Increased phosphorylation of ACTN4 leads to podocyte vulnerability and proteinuric kidney disease and is stimulated by high glucose and TGF- β . FASEB Journal, 2020, 34, 1-1. | 0.2 | 0 |
| 252 | Cell Motility in Microfabricated Models of the Tissue Microenvironment. , 2001, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Changes in ABC Transporter Expression during Hematopoiesis Cause Lineage-Biased Cytopenias in Patients Treated with Aurora Kinase Inhibitors. <i>Blood</i> , 2021, 138, 4292-4292. | 0.6 | 0 |