# Shu Chien

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7339759/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 138 papers | 12,434 citations | 50244 46 h-index | 28275 105 g-index |
| 142 all docs | 142 docs citations | 142 times ranked | 17346 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Monocytes engineered with <scp>iSNAP</scp> inhibit human <scp>Bâ€lymphoma</scp> progression. Bioengineering and Translational Medicine, 2022, 7, . | 3.9 | 3 |
| 2 | Biomechanical interactions of Schistosoma mansoni eggs with vascular endothelial cells facilitate egg extravasation. PLoS Pathogens, 2022, 18, e1010309. | 2.1 | 3 |
| 3 | Mechanosensor Piezo1 mediates bimodal patterns of intracellular calcium and <scp>FAK</scp> signaling. EMBO Journal, 2022, 41, . | 3.5 | 10 |
| 4 | RAMP2-AS1 Regulates Endothelial Homeostasis and Aging. Frontiers in Cell and Developmental Biology, 2021, 9, 635307. | 1.8 | 10 |
| 5 | METTL3-dependent N <sup>6</sup> -methyladenosine RNA modification mediates the atherogenic inflammatory cascades in vascular endothelium. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 68 |
| 6 | Elucidating the Biomechanics of Leukocyte Transendothelial Migration by Quantitative Imaging. Frontiers in Cell and Developmental Biology, 2021, 9, 635263. | 1.8 | 17 |
| 7 | Mechanoresponsive Smad5 Enhances MiR-487a Processing to Promote Vascular Endothelial Proliferation in Response to Disturbed Flow. Frontiers in Cell and Developmental Biology, 2021, 9, 647714. | 1.8 | 5 |
| 8 | Maintenance of HDACs and H3K9me3 Prevents Arterial Flow-Induced Venous Endothelial Damage. Frontiers in Cell and Developmental Biology, 2021, 9, 642150. | 1.8 | 5 |
| 9 | Roles of KLF4 and AMPK in the inhibition of glycolysis by pulsatile shear stress in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 27 |
| 10 | Continuous monitoring of deep-tissue haemodynamics with stretchable ultrasonic phased arrays. Nature Biomedical Engineering, 2021, 5, 749-758. | 11.6 | 100 |
| 11 | The interplay between matrix deformation and the coordination of turning events governs directed neutrophil migration in 3D matrices. Science Advances, 2021, 7, . | 4.7 | 10 |
| 12 | Integration of FRET and sequencing to engineer kinase biosensors from mammalian cell libraries. Nature Communications, 2021, 12, 5031. | 5.8 | 10 |
| 13 | Control of the activity of CAR-T cells within tumours via focused ultrasound. Nature Biomedical Engineering, 2021, 5, 1336-1347. | 11.6 | 82 |
| 14 | Longitudinal shear stress response in human endothelial cells to atheroprone and atheroprotective conditions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 43 |
| 15 | Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. Journal of Experimental Medicine, 2021, 218, . | 4.2 | 29 |
| 16 | Endothelial Yin Yang 1 Phosphorylation at S118 Induces Atherosclerosis Under Flow. Circulation Research, 2021, 129, 1158-1174. | 2.0 | 10 |
| 17 | Vitexin inhibits APEX1 to counteract the flow-induced endothelial inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 14 |
| 18 | Reply to Verwilt et al.: Experimental evidence against DNA contamination in SILVER-seq. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18937-18938. | 3.3 | 2 |

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|---|---|---|---|
| 19 | The Anastomotic Angle of Hemodialysis Arteriovenous Fistula Is Associated With Flow Disturbance at the Venous Stenosis Location on Angiography. Frontiers in Bioengineering and Biotechnology, 2020, 8, 846. | 2.0 | 14 |
| 20 | Control of matrix stiffness promotes endodermal lineage specification by regulating SMAD2/3 via lncRNA LINC00458. Science Advances, 2020, 6, eaay0264. | 4.7 | 45 |
| 21 | Engineering light-controllable CAR T cells for cancer immunotherapy. Science Advances, 2020, 6, eaay9209. | 4.7 | 97 |
| 22 | Inhibition of Serine Protease Activity Protects Against High Fat Diet-Induced Inflammation and Insulin Resistance. Scientific Reports, 2020, 10, 1725. | 1.6 | 20 |
| 23 | Mapping RNAâ€“chromatin interactions by sequencing with iMARGI. Nature Protocols, 2019, 14, 3243-3272. | 5.5 | 36 |
| 24 | Extracellular MicroRNA-92a Mediates Endothelial Cellâ€“Macrophage Communication. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2492-2504. | 1.1 | 65 |
| 25 | Extracellular RNA in a single droplet of human serum reflects physiologic and disease states. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19200-19208. | 3.3 | 46 |
| 26 | KDM4B is a coactivator of c-Jun and involved in gastric carcinogenesis. Cell Death and Disease, 2019, 10, 68. | 2.7 | 24 |
| 27 | Dr. Y. C. Fung's Contributions to Biomechanics, Bioengineering, and Humanity: Warmest Celebration for a Magnificent Centenarian. Journal of Biomechanical Engineering, 2019, 141, . | 0.6 | 2 |
| 28 | Shear stress regulation of miR-93 and miR-484 maturation through nucleolin. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12974-12979. | 3.3 | 26 |
| 29 | MiR-145 mediates cell morphology-regulated mesenchymal stem cell differentiation to smooth muscle cells. Biomaterials, 2019, 204, 59-69. | 5.7 | 32 |
| 30 | Atheroprotective Flow Upregulates ITPR3 (Inositol 1,4,5-Trisphosphate Receptor 3) in Vascular Endothelium via KLF4 (KrÃ¼ppel-Like Factor 4)-Mediated Histone Modifications. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 902-914. | 1.1 | 45 |
| 31 | Genome-wide colocalization of RNAâ€“DNA interactions and fusion RNA pairs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3328-3337. | 3.3 | 52 |
| 32 | Epigenetic profiling with ultralow DNA amounts. Nature Biomedical Engineering, 2018, 2, 146-147. | 11.6 | 1 |
| 33 | GPR68 Senses Flow and Is Essential for Vascular Physiology. Cell, 2018, 173, 762-775.e16. | 13.5 | 205 |
| 34 | Lis1 dysfunction leads to traction force reduction and cytoskeletal disorganization during cell migration. Biochemical and Biophysical Research Communications, 2018, 497, 869-875. | 1.0 | 27 |
| 35 | Mechanogenetics for the remote and noninvasive control of cancer immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 992-997. | 3.3 | 181 |
| 36 | Enhancer-associated long non-coding RNA LEENE regulates endothelial nitric oxide synthase and endothelial function. Nature Communications, 2018, 9, 292. | 5.8 | 129 |

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|---|---|---|---|
| 37 | Three-dimensional forces exerted by leukocytes and vascular endothelial cells dynamically facilitate diapedesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 133-138. | 3.3 | 42 |
| 38 | Nanoparticle Functionalization with Platelet Membrane Enables Multifactored Biological Targeting and Detection of Atherosclerosis. ACS Nano, 2018, 12, 109-116. | 7.3 | 222 |
| 39 | Coordinated histone modifications and chromatin reorganization in a single cell revealed by FRET biosensors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11681-E11690. | 3.3 | 48 |
| 40 | The CCL5/CCR5 Axis Promotes Vascular Smooth Muscle Cell Proliferation and Atherogenic Phenotype Switching. Cellular Physiology and Biochemistry, 2018, 47, 707-720. | 1.1 | 45 |
| 41 | Suspension state promotes metastasis of breast cancer cells by up-regulating cyclooxygenase-2. Theranostics, 2018, 8, 3722-3736. | 4.6 | 31 |
| 42 | RAP2 mediates mechanoresponses of the Hippo pathway. Nature, 2018, 560, 655-660. | 13.7 | 266 |
| 43 | 1. A light inducible gene activation system toward controllable cellâ€based therapeutics. FASEB Journal, 2018, 32, 804.62. | 0.2 | 0 |
| 44 | â€œRole of RNA N6â€methyladenosine methylation in endothelial response to flowâ€. FASEB Journal, 2018, 32, 787.3. | 0.2 | 0 |
| 45 | Roles of Cellâ€Cell Junction and Substrate Stiffness in Determining 3D Forces of Endothelial Cells. FASEB Journal, 2018, 32, 846.4. | 0.2 | 0 |
| 46 | Reversal of phenotypic abnormalities by CRISPR/Cas9â€mediated gene correction in iPSCs derived from Fabry IVS4+919 mutation patients. FASEB Journal, 2018, 32, 649.9. | 0.2 | 0 |
| 47 | MicroRNAâ€146a Deficiency Promotes Atherosclerosis by Dysregulating Cholesterol Homeostasis in Macrophages. FASEB Journal, 2018, 32, 752.6. | 0.2 | 0 |
| 48 | AMPK promotes mitochondrial biogenesis and function by phosphorylating the epigenetic factors DNMT1, RBBP7, and HAT1. Science Signaling, 2017, 10, . | 1.6 | 170 |
| 49 | MicroRNA-10a is crucial for endothelial response to different flow patterns via interaction of retinoid acid receptors and histone deacetylases. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2072-2077. | 3.3 | 51 |
| 50 | LINC00341 exerts an anti-inflammatory effect on endothelial cells by repressing VCAM1. Physiological Genomics, 2017, 49, 339-345. | 1.0 | 53 |
| 51 | Systems biology analysis of longitudinal functional response of endothelial cells to shear stress. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10990-10995. | 3.3 | 95 |
| 52 | Engineered proteins with sensing and activating modules for automated reprogramming of cellular functions. Nature Communications, 2017, 8, 477. | 5.8 | 33 |
| 53 | VAMP3 and SNAP23 mediate the disturbed flow-induced endothelial microRNA secretion and smooth muscle hyperplasia. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8271-8276. | 3.3 | 40 |
| 54 | The Mammalian Target of Rapamycin and DNA methyltransferase 1 axis mediates vascular endothelial dysfunction in response to disturbed flow. Scientific Reports, 2017, 7, 14996. | 1.6 | 23 |

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| 55 | Thy-1 dependent uptake of mesenchymal stem cell-derived extracellular vesicles blocks myofibroblastic differentiation. Scientific Reports, 2017, 7, 18052. | 1.6 | 77 |
| 56 | Abstract 21097: Three-Dimensional Traction Stresses Facilitate Leukocyte Diapedesis. Circulation, 2017, 136, . | 1.6 | 0 |
| 57 | Laudatio for Harry Goldsmith. Biorheology, 2016, 52, 295-299. | 1.2 | 0 |
| 58 | Role of Excessive Autophagy Induced by Mechanical Overload in Vein Graft Neointima Formation: Prediction and Prevention. Scientific Reports, 2016, 6, 22147. | 1.6 | 12 |
| 59 | Extracellular matrix stiffness dictates Wnt expression through integrin pathway. Scientific Reports, 2016, 6, 20395. | 1.6 | 155 |
| 60 | TIFA as a crucial mediator for NLRP3 inflammasome. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 15078-15083. | 3.3 | 43 |
| 61 | Nuclear envelope proteins modulate proliferation of vascular smooth muscle cells during cyclic stretch application. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5293-5298. | 3.3 | 68 |
| 62 | Flow-dependent YAP/TAZ activities regulate endothelial phenotypes and atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11525-11530. | 3.3 | 323 |
| 63 | Regulation of actin catch-slip bonds with a RhoA-formin module. Scientific Reports, 2016, 6, 35058. | 1.6 | 14 |
| 64 | In-situ coupling between kinase activities and protein dynamics within single focal adhesions. Scientific Reports, 2016, 6, 29377. | 1.6 | 22 |
| 65 | Deterministically patterned biomimetic human iPSC-derived hepatic model via rapid 3D bioprinting. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2206-2211. | 3.3 | 676 |
| 66 | Activation of integrin Î±5 mediated by flow requires its translocation to membrane lipid rafts in vascular endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 769-774. | 3.3 | 85 |
| 67 | Anti-cancer effects of nitrogen-containing bisphosphonates on human cancer cells. Oncotarget, 2016, 7, 57932-57942. | 0.8 | 17 |
| 68 | Mechanosensitive TRPM7 mediates shear stress and modulates osteogenic differentiation of mesenchymal stromal cells through Osterix pathway. Scientific Reports, 2015, 5, 16522. | 1.6 | 85 |
| 69 | Piezo1 links mechanical forces to red blood cell volume. ELife, 2015, 4, . | 2.8 | 437 |
| 70 | Endothelial Trauma From Mechanical Thrombectomy in Acute Stroke. Stroke, 2015, 46, 1099-1106. | 1.0 | 108 |
| 71 | Oxidative Stress Activates Endothelial Innate Immunity via Sterol Regulatory Element Binding Protein 2 (SREBP2) Transactivation of MicroRNA-92a. Circulation, 2015, 131, 805-814. | 1.6 | 127 |
| 72 | MicroRNA Mediation of Endothelial Inflammatory Response to Smooth Muscle Cells and Its Inhibition by Atheroprotective Shear Stress. Circulation Research, 2015, 116, 1157-1169. | 2.0 | 57 |

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|---|---|---|---|
| 73 | Four-and-a-Half LIM Domains Protein 2 Is a Coactivator of Wnt Signaling in Diabetic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2015, 26, 3072-3084. | 3.0 | 34 |
| 74 | Identification of AMP-activated protein kinase targets by a consensus sequence search of the proteome. BMC Systems Biology, 2015, 9, 13. | 3.0 | 23 |
| 75 | Engineering as a new frontier for translational medicine. Science Translational Medicine, 2015, 7, 281fs13. | 5.8 | 19 |
| 76 | Defined MicroRNAs Induce Aspects of Maturation in Mouse and Human Embryonic-Stem-Cell-Derived Cardiomyocytes. Cell Reports, 2015, 12, 1960-1967. | 2.9 | 77 |
| 77 | Dexamethasone-induced cellular tension requires SGK1-stimulated Sec5/GEF-H1 interaction. Journal of Cell Science, 2015, 128, 3757-68. | 1.2 | 11 |
| 78 | Nanoparticle biointerfacing by platelet membrane cloaking. Nature, 2015, 526, 118-121. | 13.7 | 1,270 |
| 79 | Focal adhesion kinase leads paxillin in the assembly of nascent focal adhesions in lamellipodial protrusions of migrating endothelial cells. FASEB Journal, 2015, 29, 797.5. | 0.2 | 0 |
| 80 | Cation Type Specific Cell Remodeling Regulates Attachment Strength. PLoS ONE, 2014, 9, e102424. | 1.1 | 17 |
| 81 | Shear Stressâ€“Initiated Signaling and Its Regulation of Endothelial Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2191-2198. | 1.1 | 389 |
| 82 | Piezo1, a mechanically activated ion channel, is required for vascular development in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10347-10352. | 3.3 | 651 |
| 83 | Epigenetic Mechanism in Regulation of Endothelial Function by Disturbed Flow: Induction of DNA Hypermethylation by DNMT1. Cellular and Molecular Bioengineering, 2014, 7, 218-224. | 1.0 | 73 |
| 84 | The effects of actin cytoskeleton perturbation on keratin intermediate filament formation in mesenchymal stem/stromal cells. Biomaterials, 2014, 35, 3934-3944. | 5.7 | 29 |
| 85 | MicroRNA-23b Regulates Cyclin-Dependent Kinaseâ€“Activating Kinase Complex Through Cyclin H Repression to Modulate Endothelial Transcription and Growth Under Flow. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1437-1445. | 1.1 | 33 |
| 86 | FAK and paxillin dynamics at focal adhesions in the protrusions of migrating cells. Scientific Reports, 2014, 4, 6024. | 1.6 | 152 |
| 87 | Decipher the dynamic coordination between enzymatic activity and structural modulation at focal adhesions in living cells. Scientific Reports, 2014, 4, 5756. | 1.6 | 14 |
| 88 | Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. Biomaterials, 2013, 34, 9812-9818. | 5.7 | 31 |
| 89 | Regulation of Vascular Smooth Muscle Cell Turnover by Endothelial Cellâ€“Secreted MicroRNA-126. Circulation Research, 2013, 113, 40-51. | 2.0 | 223 |
| 90 | Shear stress activation of nuclear receptor PXR in endothelial detoxification. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13174-13179. | 3.3 | 47 |

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|---|---|---|---|
| 91 | Focal adhesion kinase leads paxillin in focal adhesion assembly at lamellipodial protrusion of migrating endothelial cells. FASEB Journal, 2013, 27, 707.3. | 0.2 | 0 |
| 92 | Role of histone deacetylases in transcription factor regulation and cell cycle modulation in endothelial cells in response to disturbed flow. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1967-1972. | 3.3 | 130 |
| 93 | Force-specific activation of Smad1/5 regulates vascular endothelial cell cycle progression in response to disturbed flow. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7770-7775. | 3.3 | 95 |
| 94 | Roles of cell confluency and fluid shear in 3-dimensional intracellular forces in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11110-11115. | 3.3 | 109 |
| 95 | UCSDâ€™s Institute of Engineering in Medicine: Fostering Collaboration Through Research and Education. IEEE Pulse, 2012, 3, 35-41. | 0.1 | 0 |
| 96 | Biomineralized matrices promote osteogenic differentiation of human mesenchymal stem cells: A mechanistic study. FASEB Journal, 2012, 26, lb65. | 0.2 | 0 |
| 97 | Role of histone deacetylases in regulation of NFâ€E2â€related factor 2, kruppelâ€like factor 2, and cell cycle in vascular endothelial cells in response to disturbed flow. FASEB Journal, 2012, 26, 1129.1. | 0.2 | 0 |
| 98 | Mechanisms of the Antiâ€inflammatory Action of Pulsatile Laminar Flow: Role of AMPK in Chromatin Remodeling. FASEB Journal, 2012, 26, 905.18. | 0.2 | 0 |
| 99 | Flowâ€regulation of Vascular Smooth Muscle Cell Proliferation: Roles of Endothelial Cellâ€secreted MicroRNAâ€126. FASEB Journal, 2012, 26, 870.37. | 0.2 | 0 |
| 100 | Human Mesenchymal Stem Cell Modulates the Stretchâ€induced Inflammatory Response in Bronchial Epithelial Cells. FASEB Journal, 2012, 26, 658.2. | 0.2 | 0 |
| 101 | Dynamics of focal adhesion kinase and paxillin in lamellipodial protrusion of migrating endothelial cells. FASEB Journal, 2012, 26, 1129.13. | 0.2 | 0 |
| 102 | Effects of Disturbed Flow on Vascular Endothelium: Pathophysiological Basis and Clinical Perspectives. Physiological Reviews, 2011, 91, 327-387. | 13.1 | 1,661 |
| 103 | A Brief History of the Bioengineering Institute of California and the UC System-wide Symposia. Annals of Biomedical Engineering, 2011, 39, 1156-1162. | 1.3 | 0 |
| 104 | MicroRNA-21 targets peroxisome proliferators-activated receptor-Î± in an autoregulatory loop to modulate flow-induced endothelial inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10355-10360. | 3.3 | 303 |
| 105 | High-Throughput Systems for Stem Cell Engineering. , 2011, , 347-374. | | 0 |
| 106 | Oscillatory Flow-induced Proliferation of Osteoblast-like Cells Is Mediated by Î±vÎ²3 and Î²1 Integrins through Synergistic Interactions of Focal Adhesion Kinase and Shc with Phosphatidylinositol 3-Kinase and the Akt/mTOR/p70S6K Pathway. Journal of Biological Chemistry, 2010, 285, 30-42. | 1.6 | 82 |
| 107 | Mechanical Activation of Smad, A Novel Regulator for Endothelial Cell Proliferation Induced by Disturbed Flow. FASEB Journal, 2010, 24, 598.12. | 0.2 | 1 |
| 108 | Focal Adhesion Kinase Dynamics under Shear Stress in Live Endothelial Cells Studied with a FRET Biosensor. FASEB Journal, 2010, 24, 784.1. | 0.2 | 0 |

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|---|---|---|---|
| 109 | Visualization of virtual screening results on tiled display walls (TDW). FASEB Journal, 2010, 24, 1060.2. | 0.2 | 0 |
| 110 | Deep Sequencing and Bioinformatics Analysis of Endothelial MicroRNA under Hypoxia Stress. FASEB Journal, 2010, 24, 784.10. | 0.2 | 0 |
| 111 | Flow Activation of AMP-Activated Protein Kinase in Vascular Endothelium Leads to Kruì ppel-Like Factor 2 Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1902-1908. | 1.1 | 112 |
| 112 | A Tribute to Professor Van C. Mow: A Wonderful Scholar and Leader in Bioengineering. Cellular and Molecular Bioengineering, 2009, 2, 282-284. | 1.0 | 0 |
| 113 | Roles of focal adhesion kinase and paxillin in focal adhesion dynamics of living endothelial cells. FASEB Journal, 2009, 23, 965.5. | 0.2 | 0 |
| 114 | Global analysis of miRNA expression in endothelial cells under different flow patterns. FASEB Journal, 2009, 23, 776.2. | 0.2 | 0 |
| 115 | Y. C FUNG AND BIOMECHANICS: FROM ORGANS-SYSTEMS TO MOLECULES-GENES. , 2009, , 257-277. | | 0 |
| 116 | Effects of Disturbed Flow on Endothelial Cells. Annals of Biomedical Engineering, 2008, 36, 554-562. | 1.3 | 282 |
| 117 | Effects of myakuryu on hemorheological characteristics and mesenteric microcirculation of rats fed with a high-fat diet. Biorheology, 2008, 45, 587-598. | 1.2 | 4 |
| 118 | Dynamic motion of paxillin on actin filaments in living endothelial responses to shear stress. FASEB Journal, 2008, 22, 964.28. | 0.2 | 0 |
| 119 | The Mechanism of Phenotypic Modulation of Vascular Smooth Muscle Cells: Role of extracellular matrix and PDGFâ€ßB/lLâ€1b. FASEB Journal, 2008, 22, 965.4. | 0.2 | 0 |
| 120 | Shear Stress Induces Syntheticâ€toâ€contractile Phenotypic Change of Smooth Muscle Cells via Paracrine Effect of Prostacyclin from Endothelial Cells and the PPARâ€±/Î´ Pathways. FASEB Journal, 2008, 22, 1208.7. | 0.2 | 0 |
| 121 | Regulation of Endothelial Cell Cycle by Laminar Versus Oscillatory Flow. Circulation Research, 2007, 100, 564-571. | 2.0 | 91 |
| 122 | Mechanisms of induction of endothelial cell E-selectin expression by smooth muscle cells and its inhibition by shear stress. Blood, 2007, 110, 519-528. | 0.6 | 67 |
| 123 | Mechanical Activation of mTOR Signaling Requires a Phospholipase Dâ€Mediated Increase in Phosphatidic Acid. FASEB Journal, 2006, 20, A818. | 0.2 | 0 |
| 124 | Roles of cytoskeleton in the localization and tyrosine phosphorylation of paxillin in endothelial cells. FASEB Journal, 2006, 20, A1167. | 0.2 | 0 |
| 125 | Molecular basis of rheological modulation of endothelial functions: importance of stress direction. Biorheology, 2006, 43, 95-116. | 1.2 | 29 |
| 126 | The National Institute of Biomedical Imaging and Bioengineering. Annual Review of Biomedical Engineering, 2004, 6, 1-26. | 5.7 | 7 |

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|---|---|---|---|
| 127 | Molecular and mechanical bases of focal lipid accumulation in arterial wall. Progress in Biophysics and Molecular Biology, 2003, 83, 131-151. | 1.4 | 127 |
| 128 | Endothelial cellular response to altered shear stress. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L529-L533. | 1.3 | 314 |
| 129 | Newest Member of the NIH Family. Science, 2001, 291, 1701c-1702. | 6.0 | 3 |
| 130 | EndotheliumâEDependent, ShearâEInduced Vasodilation Is RateâESensitive. Microcirculation, 2000, 7, 53-65. | 1.0 | 44 |
| 131 | Measurement of Orientation and Distribution of Cellular Alignment and Cytoskeletal Organization. Annals of Biomedical Engineering, 1999, 27, 712-720. | 1.3 | 93 |
| 132 | Effect of seeding duration on the strength of chondrocyte adhesion to articular cartilage. Journal of Orthopaedic Research, 1999, 17, 121-129. | 1.2 | 42 |
| 133 | Richard Skalak: Some Personal Reflections. Biorheology, 1997, 34, ix-x. | 1.2 | 0 |
| 134 | Regulation of cardiac gene expression during myocardial growth and hypertrophy: molecular studies of an adaptive physiologic response. FASEB Journal, 1991, 5, 3037-3064. | 0.2 | 743 |
| 135 | The dynamics of shear disaggregation of red blood cells in a flow channel. Biorheology, 1990, 27, 135-147. | 1.2 | 20 |
| 136 | Molecular basis of red cell membrane rheology. Biorheology, 1990, 27, 327-344. | 1.2 | 28 |
| 137 | Role of Leukocyte-Endothelium Adhesion in Affecting Recovery from Ischemic Episodes. Annals of the New York Academy of Sciences, 1989, 565, 308-315. | 1.8 | 27 |
| 138 | Shear stress increases endothelial cell-membrane fluidity. , 0, , . | | 0 |