

Shu Chien

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

8,898
citations

41
h-index

94
g-index

142
ext. papers

10,775
ext. citations

8.9
avg, IF

6.25
L-index

#	Paper	IF	Citations
134	Effects of disturbed flow on vascular endothelium: pathophysiological basis and clinical perspectives. <i>Physiological Reviews</i> , 2011 , 91, 327-87	47.9	1300
133	Nanoparticle biointerfacing by platelet membrane cloaking. <i>Nature</i> , 2015 , 526, 118-21	50.4	890
132	Regulation of cardiac gene expression during myocardial growth and hypertrophy: molecular studies of an adaptive physiologic response. <i>FASEB Journal</i> , 1991 , 5, 3037-46	0.9	692
131	Deterministically patterned biomimetic human iPSC-derived hepatic model via rapid 3D bioprinting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2206-11	11.5	516
130	Piezo1, a mechanically activated ion channel, is required for vascular development in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10347-52	11.5	424
129	Endothelial cellular response to altered shear stress. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 281, L529-33	5.8	274
128	Piezo1 links mechanical forces to red blood cell volume. <i>ELife</i> , 2015 , 4,	8.9	272
127	Shear stress-initiated signaling and its regulation of endothelial function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2191-8	9.4	268
126	MicroRNA-21 targets peroxisome proliferators-activated receptor-alpha in an autoregulatory loop to modulate flow-induced endothelial inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10355-60	11.5	257
125	Effects of disturbed flow on endothelial cells. <i>Annals of Biomedical Engineering</i> , 2008 , 36, 554-62	4.7	233
124	Flow-dependent YAP/TAZ activities regulate endothelial phenotypes and atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11525-11530	11.5	197
123	Regulation of vascular smooth muscle cell turnover by endothelial cell-secreted microRNA-126: role of shear stress. <i>Circulation Research</i> , 2013 , 113, 40-51	15.7	183
122	RAP2 mediates mechanoresponses of the Hippo pathway. <i>Nature</i> , 2018 , 560, 655-660	50.4	157
121	Nanoparticle Functionalization with Platelet Membrane Enables Multifactorial Biological Targeting and Detection of Atherosclerosis. <i>ACS Nano</i> , 2018 , 12, 109-116	16.7	141
120	GPR68 Senses Flow and Is Essential for Vascular Physiology. <i>Cell</i> , 2018 , 173, 762-775.e16	56.2	126
119	AMPK promotes mitochondrial biogenesis and function by phosphorylating the epigenetic factors DNMT1, RBBP7, and HAT1. <i>Science Signaling</i> , 2017 , 10,	8.8	119
118	Mechanogenetics for the remote and noninvasive control of cancer immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 992-997	11.5	111

117	Oxidative stress activates endothelial innate immunity via sterol regulatory element binding protein 2 (SREBP2) transactivation of microRNA-92a. <i>Circulation</i> , 2015 , 131, 805-14	16.7	111
116	Role of histone deacetylases in transcription factor regulation and cell cycle modulation in endothelial cells in response to disturbed flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1967-72	11.5	109
115	Molecular and mechanical bases of focal lipid accumulation in arterial wall. <i>Progress in Biophysics and Molecular Biology</i> , 2003 , 83, 131-51	4.7	107
114	FAK and paxillin dynamics at focal adhesions in the protrusions of migrating cells. <i>Scientific Reports</i> , 2014 , 4, 6024	4.9	97
113	Extracellular matrix stiffness dictates Wnt expression through integrin pathway. <i>Scientific Reports</i> , 2016 , 6, 20395	4.9	96
112	Flow activation of AMP-activated protein kinase in vascular endothelium leads to Kröppel-like factor 2 expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1902-8	9.4	94
111	Roles of cell confluency and fluid shear in 3-dimensional intracellular forces in endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11110-5	11.5	89
110	Enhancer-associated long non-coding RNA LEENE regulates endothelial nitric oxide synthase and endothelial function. <i>Nature Communications</i> , 2018 , 9, 292	17.4	86
109	Measurement of orientation and distribution of cellular alignment and cytoskeletal organization. <i>Annals of Biomedical Engineering</i> , 1999 , 27, 712-20	4.7	83
108	Endothelial trauma from mechanical thrombectomy in acute stroke: in vitro live-cell platform with animal validation. <i>Stroke</i> , 2015 , 46, 1099-106	6.7	79
107	Regulation of endothelial cell cycle by laminar versus oscillatory flow: distinct modes of interactions of AMP-activated protein kinase and Akt pathways. <i>Circulation Research</i> , 2007 , 100, 564-71	15.7	79
106	Force-specific activation of Smad1/5 regulates vascular endothelial cell cycle progression in response to disturbed flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7770-5	11.5	78
105	Oscillatory flow-induced proliferation of osteoblast-like cells is mediated by alphavbeta3 and beta1 integrins through synergistic interactions of focal adhesion kinase and Shc with phosphatidylinositol 3-kinase and the Akt/mTOR/p70S6K pathway. <i>Journal of Biological Chemistry</i> , 2010 , 285, 39-42	5.4	67
104	Activation of integrin β mediated by flow requires its translocation to membrane lipid rafts in vascular endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 769-74	11.5	63
103	Systems biology analysis of longitudinal functional response of endothelial cells to shear stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10990-10995	11.5	61
102	Epigenetic Mechanism in Regulation of Endothelial Function by Disturbed Flow: Induction of DNA Hypermethylation by DNMT1. <i>Cellular and Molecular Bioengineering</i> , 2014 , 7, 218-224	3.9	59
101	Thy-1 dependent uptake of mesenchymal stem cell-derived extracellular vesicles blocks myofibroblastic differentiation. <i>Scientific Reports</i> , 2017 , 7, 18052	4.9	54
100	Mechanisms of induction of endothelial cell E-selectin expression by smooth muscle cells and its inhibition by shear stress. <i>Blood</i> , 2007 , 110, 519-28	2.2	54

99	Defined MicroRNAs Induce Aspects of Maturation in Mouse and Human Embryonic-Stem-Cell-Derived Cardiomyocytes. <i>Cell Reports</i> , 2015 , 12, 1960-7	10.6	53
98	Mechanosensitive TRPM7 mediates shear stress and modulates osteogenic differentiation of mesenchymal stromal cells through Osterix pathway. <i>Scientific Reports</i> , 2015 , 5, 16522	4.9	52
97	MicroRNA mediation of endothelial inflammatory response to smooth muscle cells and its inhibition by atheroprotective shear stress. <i>Circulation Research</i> , 2015 , 116, 1157-69	15.7	48
96	Nuclear envelope proteins modulate proliferation of vascular smooth muscle cells during cyclic stretch application. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5293-8	11.5	48
95	Engineering light-controllable CAR T cells for cancer immunotherapy. <i>Science Advances</i> , 2020 , 6, eaay9209	14.3	44
94	LINC00341 exerts an anti-inflammatory effect on endothelial cells by repressing VCAM1. <i>Physiological Genomics</i> , 2017 , 49, 339-345	3.6	43
93	Shear stress activation of nuclear receptor PXR in endothelial detoxification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13174-9	11.5	40
92	Endothelium-Dependent, Shear-Induced Vasodilation Is Rate-Sensitive. <i>Microcirculation</i> , 2000 , 7, 53-65	2.9	37
91	MicroRNA-10a is crucial for endothelial response to different flow patterns via interaction of retinoid acid receptors and histone deacetylases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2072-2077	11.5	36
90	Effect of seeding duration on the strength of chondrocyte adhesion to articular cartilage. <i>Journal of Orthopaedic Research</i> , 1999 , 17, 121-9	3.8	35
89	Extracellular MicroRNA-92a Mediates Endothelial Cell-Macrophage Communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 2492-2504	9.4	33
88	Extracellular RNA in a single droplet of human serum reflects physiologic and disease states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19200-19208	11.5	31
87	Three-dimensional forces exerted by leukocytes and vascular endothelial cells dynamically facilitate diapedesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 133-138	11.5	30
86	TIFA as a crucial mediator for NLRP3 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 15078-15083	11.5	30
85	VAMP3 and SNAP23 mediate the disturbed flow-induced endothelial microRNA secretion and smooth muscle hyperplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8271-8276	11.5	28
84	Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. <i>Biomaterials</i> , 2013 , 34, 9812-8	15.6	28
83	Four-and-a-Half LIM Domains Protein 2 Is a Coactivator of Wnt Signaling in Diabetic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 3072-84	12.7	27
82	Atheroprotective Flow Upregulates ITPR3 (Inositol 1,4,5-Trisphosphate Receptor 3) in Vascular Endothelium via KLF4 (Krüppel-Like Factor 4)-Mediated Histone Modifications. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 902-914	9.4	26

81	Molecular basis of rheological modulation of endothelial functions: importance of stress direction. <i>Biorheology</i> , 2006 , 43, 95-116	1.7	26
80	Genome-wide colocalization of RNA-DNA interactions and fusion RNA pairs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3328-3337	11.5	25
79	MicroRNA-23b regulates cyclin-dependent kinase-activating kinase complex through cyclin H repression to modulate endothelial transcription and growth under flow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1437-45	9.4	25
78	Coordinated histone modifications and chromatin reorganization in a single cell revealed by FRET biosensors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11681-E11690	11.5	25
77	Role of leukocyte-endothelium adhesion in affecting recovery from ischemic episodes. <i>Annals of the New York Academy of Sciences</i> , 1989 , 565, 308-15	6.5	24
76	Control of matrix stiffness promotes endodermal lineage specification by regulating SMAD2/3 via lncRNA LINC00458. <i>Science Advances</i> , 2020 , 6, eaay0264	14.3	23
75	The effects of actin cytoskeleton perturbation on keratin intermediate filament formation in mesenchymal stem/stromal cells. <i>Biomaterials</i> , 2014 , 35, 3934-44	15.6	23
74	Continuous monitoring of deep-tissue haemodynamics with stretchable ultrasonic phased arrays. <i>Nature Biomedical Engineering</i> , 2021 , 5, 749-758	19	23
73	The CCL5/CCR5 Axis Promotes Vascular Smooth Muscle Cell Proliferation and Atherogenic Phenotype Switching. <i>Cellular Physiology and Biochemistry</i> , 2018 , 47, 707-720	3.9	22
72	Control of the activity of CAR-T cells within tumours via focused ultrasound. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1336-1347	19	21
71	Identification of AMP-activated protein kinase targets by a consensus sequence search of the proteome. <i>BMC Systems Biology</i> , 2015 , 9, 13	3.5	20
70	Suspension state promotes metastasis of breast cancer cells by up-regulating cyclooxygenase-2. <i>Theranostics</i> , 2018 , 8, 3722-3736	12.1	20
69	Molecular basis of red cell membrane rheology. Part 1. <i>Biorheology</i> , 1990 , 27, 327-44	1.7	20
68	MiR-145 mediates cell morphology-regulated mesenchymal stem cell differentiation to smooth muscle cells. <i>Biomaterials</i> , 2019 , 204, 59-69	15.6	18
67	Mapping RNA-chromatin interactions by sequencing with iMARGI. <i>Nature Protocols</i> , 2019 , 14, 3243-3272	18.8	18
66	Shear stress regulation of miR-93 and miR-484 maturation through nucleolin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12974-12979	11.5	16
65	The Mammalian Target of Rapamycin and DNA methyltransferase 1 axis mediates vascular endothelial dysfunction in response to disturbed flow. <i>Scientific Reports</i> , 2017 , 7, 14996	4.9	16
64	The dynamics of shear disaggregation of red blood cells in a flow channel. <i>Biorheology</i> , 1990 , 27, 135-47	1.7	15

63	KDM4B is a coactivator of c-Jun and involved in gastric carcinogenesis. <i>Cell Death and Disease</i> , 2019 , 10, 68	9.8	14
62	METTL3-dependent N-methyladenosine RNA modification mediates the atherogenic inflammatory cascades in vascular endothelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	14
61	Engineering as a new frontier for translational medicine. <i>Science Translational Medicine</i> , 2015 , 7, 281fs13	17.5	13
60	Lis1 dysfunction leads to traction force reduction and cytoskeletal disorganization during cell migration. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 497, 869-875	3.4	13
59	Cation type specific cell remodeling regulates attachment strength. <i>PLoS ONE</i> , 2014 , 9, e102424	3.7	13
58	Engineered proteins with sensing and activating modules for automated reprogramming of cellular functions. <i>Nature Communications</i> , 2017 , 8, 477	17.4	12
57	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	12
56	Inhibition of Serine Protease Activity Protects Against High Fat Diet-Induced Inflammation and Insulin Resistance. <i>Scientific Reports</i> , 2020 , 10, 1725	4.9	11
55	In-situ coupling between kinase activities and protein dynamics within single focal adhesions. <i>Scientific Reports</i> , 2016 , 6, 29377	4.9	11
54	Anti-cancer effects of nitrogen-containing bisphosphonates on human cancer cells. <i>Oncotarget</i> , 2016 , 7, 57932-57942	3.3	11
53	Role of Excessive Autophagy Induced by Mechanical Overload in Vein Graft Neointima Formation: Prediction and Prevention. <i>Scientific Reports</i> , 2016 , 6, 22147	4.9	11
52	Longitudinal shear stress response in human endothelial cells to atheroprone and atheroprotective conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	11
51	Regulation of actin catch-slip bonds with a RhoA-formin module. <i>Scientific Reports</i> , 2016 , 6, 35058	4.9	10
50	Dexamethasone-induced cellular tension requires a SGK1-stimulated Sec5-GEF-H1 interaction. <i>Journal of Cell Science</i> , 2015 , 128, 3757-68	5.3	8
49	Decipher the dynamic coordination between enzymatic activity and structural modulation at focal adhesions in living cells. <i>Scientific Reports</i> , 2014 , 4, 5756	4.9	8
48	The Anastomotic Angle of Hemodialysis Arteriovenous Fistula Is Associated With Flow Disturbance at the Venous Stenosis Location on Angiography. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 846	5.8	7
47	Roles of KLF4 and AMPK in the inhibition of glycolysis by pulsatile shear stress in endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
46	The National Institute of Biomedical Imaging and Bioengineering. <i>Annual Review of Biomedical Engineering</i> , 2004 , 6, 1-26	12	6

45	Author response: Piezo1 links mechanical forces to red blood cell volume 2015 ,		4
44	Maintenance of HDACs and H3K9me3 Prevents Arterial Flow-Induced Venous Endothelial Damage. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 642150	5.7	4
43	RAMP2-AS1 Regulates Endothelial Homeostasis and Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 635307	5.7	3
42	The interplay between matrix deformation and the coordination of turning events governs directed neutrophil migration in 3D matrices. <i>Science Advances</i> , 2021 , 7,	14.3	3
41	Effects of myakuryu on hemorheological characteristics and mesenteric microcirculation of rats fed with a high-fat diet. <i>Biorheology</i> , 2008 , 45, 587-598	1.7	2
40	Newest member of the NIH Family. <i>Science</i> , 2001 , 291, 1701-2	33.3	2
39	Vitexin inhibits APEX1 to counteract the flow-induced endothelial inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
38	Elucidating the Biomechanics of Leukocyte Transendothelial Migration by Quantitative Imaging. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 635263	5.7	2
37	Integration of FRET and sequencing to engineer kinase biosensors from mammalian cell libraries. <i>Nature Communications</i> , 2021 , 12, 5031	17.4	2
36	Dr. Y.C. Fung's Contributions to Biomechanics, Bioengineering and Humanity: Warmest Celebration for a Magnificent Centenarian. <i>Journal of Biomechanical Engineering</i> , 2019 ,	2.1	1
35	Endothelial Yin Yang 1 Phosphorylation at S118 Induces Atherosclerosis Under Flow. <i>Circulation Research</i> , 2021 , 129, 1158-1174	15.7	1
34	Mechanical Activation of Smad, A Novel Regulator for Endothelial Cell Proliferation Induced by Disturbed Flow. <i>FASEB Journal</i> , 2010 , 24, 598.12	0.9	1
33	Reply to Verwilt et al.: Experimental evidence against DNA contamination in SILVER-seq. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18937-18938	11.5	1
32	Mechanoresponsive Smad5 Enhances MiR-487a Processing to Promote Vascular Endothelial Proliferation in Response to Disturbed Flow. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 647714	5.7	1
31	Biomechanical interactions of <i>Schistosoma mansoni</i> eggs with vascular endothelial cells facilitate egg extravasation.. <i>PLoS Pathogens</i> , 2022 , 18, e1010309	7.6	0
30	Epigenetic profiling with ultralow DNA amounts. <i>Nature Biomedical Engineering</i> , 2018 , 2, 146-147	19	
29	UCSD's Institute of Engineering in Medicine: fostering collaboration through research and education. <i>IEEE Pulse</i> , 2012 , 3, 35-41	0.7	
28	A brief history of the Bioengineering Institute of California and the UC System-wide Symposia. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 1156-62	4.7	

27	A Tribute to Professor Van C. Mow: A Wonderful Scholar and Leader in Bioengineering. <i>Cellular and Molecular Bioengineering</i> , 2009 , 2, 282-284	3.9
26	Mechanical Activation of mTOR Signaling Requires a Phospholipase D-Mediated Increase in Phosphatidic Acid. <i>FASEB Journal</i> , 2006 , 20, A818	0.9
25	Roles of cytoskeleton in the localization and tyrosine phosphorylation of paxillin in endothelial cells. <i>FASEB Journal</i> , 2006 , 20, A1167	0.9
24	Dynamic motion of paxillin on actin filaments in living endothelial responses to shear stress. <i>FASEB Journal</i> , 2008 , 22, 964.28	0.9
23	The Mechanism of Phenotypic Modulation of Vascular Smooth Muscle Cells: Role of extracellular matrix and PDGF-BB/IL-1b. <i>FASEB Journal</i> , 2008 , 22, 965.4	0.9
22	Shear Stress Induces Synthetic-to-contractile Phenotypic Change of Smooth Muscle Cells via Paracrine Effect of Prostacyclin from Endothelial Cells and the PPAR- γ Pathways. <i>FASEB Journal</i> , 2008 , 22, 1208.7	0.9
21	1. A light inducible gene activation system toward controllable cell-based therapeutics. <i>FASEB Journal</i> , 2018 , 32, 804.62	0.9
20	Role of RNA N6-methyladenosine methylation in endothelial response to flow \square <i>FASEB Journal</i> , 2018 , 32, 787.3	0.9
19	Roles of Cell-Cell Junction and Substrate Stiffness in Determining 3D Forces of Endothelial Cells. <i>FASEB Journal</i> , 2018 , 32, 846.4	0.9
18	Reversal of phenotypic abnormalities by CRISPR/Cas9-mediated gene correction in iPSCs derived from Fabry IVS4+919 mutation patients. <i>FASEB Journal</i> , 2018 , 32, 649.9	0.9
17	MicroRNA-146a Deficiency Promotes Atherosclerosis by Dysregulating Cholesterol Homeostasis in Macrophages. <i>FASEB Journal</i> , 2018 , 32, 752.6	0.9
16	Focal adhesion kinase leads paxillin in the assembly of nascent focal adhesions in lamellipodial protrusions of migrating endothelial cells. <i>FASEB Journal</i> , 2015 , 29, 797.5	0.9
15	Roles of focal adhesion kinase and paxillin in focal adhesion dynamics of living endothelial cells. <i>FASEB Journal</i> , 2009 , 23, 965.5	0.9
14	Global analysis of miRNA expression in endothelial cells under different flow patterns. <i>FASEB Journal</i> , 2009 , 23, 776.2	0.9
13	Y. C FUNG AND BIOMECHANICS: FROM ORGANS-SYSTEMS TO MOLECULES-GENES 2009 , 257-277	
12	Focal Adhesion Kinase Dynamics under Shear Stress in Live Endothelial Cells Studied with a FRET Biosensor. <i>FASEB Journal</i> , 2010 , 24, 784.1	0.9
11	Visualization of virtual screening results on tiled display walls (TDW). <i>FASEB Journal</i> , 2010 , 24, 1060.2	0.9
10	Deep Sequencing and Bioinformatics Analysis of Endothelial MicroRNA under Hypoxia Stress. <i>FASEB Journal</i> , 2010 , 24, 784.10	0.9

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- 8 Biomineralized matrices promote osteogenic differentiation of human mesenchymal stem cells: A mechanistic study. *FASEB Journal*, **2012**, 26, lb65 0.9
- 7 Role of histone deacetylases in regulation of NF-E2-related factor 2, kruppel-like factor 2, and cell cycle in vascular endothelial cells in response to disturbed flow. *FASEB Journal*, **2012**, 26, 1129.1 0.9
- 6 Mechanisms of the Anti-inflammatory Action of Pulsatile Laminar Flow: Role of AMPK in Chromatin Remodeling. *FASEB Journal*, **2012**, 26, 905.18 0.9
- 5 Flow-regulation of Vascular Smooth Muscle Cell Proliferation: Roles of Endothelial Cell-secreted MicroRNA-126. *FASEB Journal*, **2012**, 26, 870.37 0.9
- 4 Human Mesenchymal Stem Cell Modulates the Stretch-induced Inflammatory Response in Bronchial Epithelial Cells. *FASEB Journal*, **2012**, 26, 658.2 0.9
- 3 Dynamics of focal adhesion kinase and paxillin in lamellipodial protrusion of migrating endothelial cells. *FASEB Journal*, **2012**, 26, 1129.13 0.9
- 2 Focal adhesion kinase leads paxillin in focal adhesion assembly at lamellipodial protrusion of migrating endothelial cells. *FASEB Journal*, **2013**, 27, 707.3 0.9
- 1 Laudatio for Harry Goldsmith. *Biorheology*, **2015**, 52, 295-9 1.7