

Yi-Shuan Li

List of Publications by Year in descending order

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26
papers

3,415
citations

257450

24
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

4297
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanotransduction in Response to Shear Stress. <i>Journal of Biological Chemistry</i> , 1999, 274, 18393-18400.	3.4	506
2	Shear Stress-Initiated Signaling and Its Regulation of Endothelial Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2191-2198.	2.4	389
3	Flow-Dependent Regulation of Krüppel-Like Factor 2 Is Mediated by MicroRNA-92a. <i>Circulation</i> , 2011, 124, 633-641.	1.6	257
4	Shear stress, SIRT1, and vascular homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10268-10273.	7.1	247
5	DNA microarray analysis of gene expression in endothelial cells in response to 24-h shear stress. <i>Physiological Genomics</i> , 2001, 7, 55-63.	2.3	240
6	Shear Stress Activates p60src-Ras-MAPK Signaling Pathways in Vascular Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 227-234.	2.4	229
7	Regulation of Vascular Smooth Muscle Cell Turnover by Endothelial Cell-Secreted MicroRNA-126. <i>Circulation Research</i> , 2013, 113, 40-51.	4.5	223
8	Role of microRNA-23b in flow-regulation of Rb phosphorylation and endothelial cell growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3234-3239.	7.1	160
9	Shear stress regulation of Krüppel-like factor 2 expression is flow pattern-specific. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 1244-1251.	2.1	131
10	Fluid Shear Stress Activation of Î² Kinase Is Integrin-dependent. <i>Journal of Biological Chemistry</i> , 1998, 273, 30544-30549.	3.4	130
11	Interplay between integrins and FLK-1 in shear stress-induced signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 283, C1540-C1547.	4.6	117
12	Flow Activation of AMP-Activated Protein Kinase in Vascular Endothelium Leads to Krüppel-Like Factor 2 Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1902-1908.	2.4	112
13	Endothelial Trauma From Mechanical Thrombectomy in Acute Stroke. <i>Stroke</i> , 2015, 46, 1099-1106.	2.0	108
14	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.	2.1	73
15	Biomechanical regulation of matrix metalloproteinase-9 in cultured chondrocytes. <i>Journal of Orthopaedic Research</i> , 2000, 18, 899-908.	2.3	66
16	Extracellular MicroRNA-92a Mediates Endothelial Cell-Macrophage Communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2492-2504.	2.4	65
17	Shear stress and VEGF activate IKK via the Flk-1/Cbl/Akt signaling pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H685-H692.	3.2	55
18	Molecular basis of mechanical modulation of endothelial cell migration. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1985.	3.0	53

#	ARTICLE	IF	CITATIONS
19	LINC00341 exerts an anti-inflammatory effect on endothelial cells by repressing VCAM1. <i>Physiological Genomics</i> , 2017, 49, 339-345.	2.3	53
20	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.	7.1	40
21	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, 1437-1445.	2.4	33
22	Improved significance test for DNA microarray data: temporal effects of shear stress on endothelial genes. <i>Physiological Genomics</i> , 2002, 12, 1-11.	2.3	30
23	DNA microarray study on gene expression profiles in co-cultured endothelial and smooth muscle cells in response to 4- and 24-h shear stress. <i>Molecular and Cellular Biochemistry</i> , 2006, 281, 1-15.	3.1	28
24	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.	7.1	26
25	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.	3.3	23
26	Shear Stress Regulates the Flk-1/Cbl/PI3K/NF- κ B Pathway Via Actin and Tyrosine Kinases. <i>Cellular and Molecular Bioengineering</i> , 2009, 2, 341-350.	2.1	21