ellie tzima

List of Publications by Year
in descending order

47 papers	5,063 citations	172457 29 h-index	223800 46 g-index
47 all docs	47 docs citations	47 times ranked	6252 citing authors

#	Article	IF	Citations
1	Eukaryotic initiation factor 6 regulates mechanical responses in endothelial cells. Journal of Cell Biology, 2022, 221, .	5.2	6
2	Mechanical forces regulate endothelial-to-mesenchymal transition and atherosclerosis via an Alk5-Shc mechanotransduction pathway. Science Advances, 2021, 7, .	10.3	37
3	The guidance receptor plexin D1 is a mechanosensor in endothelial cells. Nature, 2020, 578, 290-295.	27.8	126
4	To Fuse or Not to Fuse. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1959-1960.	2.4	0
5	Haemodynamics Regulate Fibronectin Assembly via PECAM. Scientific Reports, 2017, 7, 41223.	3.3	8
6	Pulling on my heartstrings. Current Opinion in Hematology, 2016, 23, 235-242.	2.5	16
7	Endothelial Mechanosignaling: Does One Sensor Fit All?. Antioxidants and Redox Signaling, 2016, 25, 373-388.	5.4	128
8	A turbulent path to plaque formation. Nature, 2016, 540, 531-532.	27.8	19
9	Vessels With Cingulin Are Leakproof. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 584-585.	2.4	6
10	Platelet Endothelial Cell Adhesion Moleculeâ€•1 Mediates Endothelialâ€•Cardiomyocyte Communication and Regulates Cardiac Function. Journal of the American Heart Association, 2015, 4, e001210.	3.7	19
11	Cardiac contraction activates endocardial Notch signaling to modulate chamber maturation in zebrafish. Development (Cambridge), 2015, 142, 4080-4091.	2.5	117
12	Haemodynamic and extracellular matrix cues regulate the mechanical phenotype and stiffness of aortic endothelial cells. Nature Communications, 2014, 5, 3984.	12.8	95
13	Rac[e] to the pole. Small GTPases, 2014, 5, e28650.	1.6	17
14	Natural Aminoacyl tRNA Synthetase Fragment Enhances Cardiac Function after Myocardial Infarction. PLoS ONE, 2014, 9, e109325.	2.5	7
15	A novel pathway spatiotemporally activates Rac1 and redox signaling in response to fluid shear stress. Journal of Cell Biology, 2013, 201, 863-873.	5.2	58
16	Endothelial Shc Regulates Arteriogenesis Through Dual Control of Arterial Specification and Inflammation via the Notch and Nuclear Factor-Îºâ€“Light-Chain-Enhancer of Activated B-Cell Pathways. Circulation Research, 2013, 113, 32-39.	4.5	35
17	RhoA goes GLOBAL. Small GTPases, 2013, 4, 123-126.	1.6	4
18	Bmper Inhibits Endothelial Expression of Inflammatory Adhesion Molecules and Protects Against Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2214-2222.	2.4	32

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19	The adaptor protein Shc integrates growth factor and ECM signaling during postnatal angiogenesis. Blood, 2012, 119, 1946-1955.	1.4	21
20	Localized Tensional Forces on PECAM-1 Elicit a Global Mechanotransduction Response via the Integrin-RhoA Pathway. Current Biology, 2012, 22, 2087-2094.	3.9	153
21	S1P1 Bridges Mechanotransduction and Angiogenesis during Vascular Development. Developmental Cell, 2012, 23, 451-452.	7.0	2
22	Pericytes Regulate Vascular Basement Membrane Remodeling and Govern Neutrophil Extravasation during Inflammation. PLoS ONE, 2012, 7, e45499.	2.5	95
23	Hemodynamic forces in endothelial dysfunction and vascular aging. Experimental Gerontology, 2011, 46, 185-188.	2.8	58
24	Platelet-Endothelial Cell Adhesion Molecule-1 Regulates Endothelial NO Synthase Activity and Localization Through Signal Transducers and Activators of Transcription 3â€"Dependent NOSTRIN Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 643-649.	2.4	36
25	Mammalian aminoacyl-tRNA synthetases: Cell signaling functions of the protein translation machinery. Vascular Pharmacology, 2010, 52, 21-26.	2.1	29
26	Role of PECAM-1 in Arteriogenesis and Specification of Preexisting Collaterals. Circulation Research, 2010, 107, 1355-1363.	4.5	75
27	Spatial signaling networks converge at the adaptor protein Shc. Cell Cycle, 2009, 8, 231-235.	2.6	10
28	PECAM-1 Is Necessary for Flow-Induced Vascular Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1067-1073.	2.4	95
29	Localized Î±4 Integrin Phosphorylation Directs Shear Stressâ€"Induced Endothelial Cell Alignment. Circulation Research, 2008, 103, 177-185.	4.5	50
30	Shc coordinates signals from intercellular junctions and integrins to regulate flow-induced inflammation. Journal of Cell Biology, 2008, 182, 185-196.	5.2	54
31	The novel fragment of tyrosyl tRNA synthetase, miniâ€•TyrRS, is secreted to induce an angiogenic response in endothelial cells. FASEB Journal, 2008, 22, 1597-1605.	0.5	59
32	Evidence for Annexin II-S100A10 Complex and Plasmin in Mobilization of Cytokine Activity of Human TrpRS. Journal of Biological Chemistry, 2008, 283, 2070-2077.	3.4	35
33	Effect of mini-tyrosyl-tRNA synthetase on ischemic angiogenesis, leukocyte recruitment, and vascular permeability. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1138-R1146.	1.8	13
34	Role of Small GTPases in Endothelial Cytoskeletal Dynamics and the Shear Stress Response. Circulation Research, 2006, 98, 176-185.	4.5	235
35	Inhibition of tumor angiogenesis by a natural fragment of a tRNA synthetase. Trends in Biochemical Sciences, 2006, 31, 7-10.	7.5	37
36	A mechanosensory complex that mediates the endothelial cell response to fluid shear stress. Nature, 2005, 437, 426-431.	27.8	1,457

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37	VE-cadherin Links tRNA Synthetase Cytokine to Anti-angiogenic Function. Journal of Biological Chemistry, 2005, 280, 2405-2408.	3.4	89
38	Integrins in Mechanotransduction. Journal of Biological Chemistry, 2004, 279, 12001-12004.	3.4	590
39	Localized Cdc42 Activation, Detected Using a Novel Assay, Mediates Microtubule Organizing Center Positioning in Endothelial Cells in Response to Fluid Shear Stress. Journal of Biological Chemistry, 2003, 278, 31020-31023.	3.4	165
40	Biologically active fragment of a human tRNA synthetase inhibits fluid shear stress-activated responses of endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14903-14907.	7.1	56
41	Activation of Rac1 by shear stress in endothelial cells mediates both cytoskeletal reorganization and effects on gene expression. EMBO Journal, 2002, 21, 6791-6800.	7.8	297
42	Activation of integrins in endothelial cells by fluid shear stress mediates Rho-dependent cytoskeletal alignment. EMBO Journal, 2001, 20, 4639-4647.	7.8	490
43	Annexin V relocates to the platelet cytoskeleton upon activation and binds to a specific isoform of actin. FEBS Journal, 2000, 267, 4720-4730.	0.2	50
44	Platelet annexin V: the ins and outs. Platelets, 2000, 11, 245-251.	2.3	37
45	Investigation of the Relocation of Cytosolic Phospholipase A2 and Annexin V in Activated Platelets. Thrombosis Research, 2000, 97, 421-429.	1.7	12
46	ANNEXIN V RELOCATES TO THE PERIPHERY OF ACTIVATED PLATELETS FOLLOWING THROMBIN ACTIVATION: AN ULTRASTRUCTURAL IMMUNOHISTOCHEMICAL APPROACH. Cell Biology International, 1999, 23, 629-635.	3.0	12
47	Annexin V Binds to the Actin-Based Cytoskeleton at the Plasma Membrane of Activated Platelets. Experimental Cell Research, 1999, 251, 185-193.	2.6	21