

ellie tzima

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4041336/publications.pdf>

Version: 2024-02-01

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	A mechanosensory complex that mediates the endothelial cell response to fluid shear stress. <i>Nature</i> , 2005, 437, 426-431.	27.8	1,457
2	Integrins in Mechanotransduction. <i>Journal of Biological Chemistry</i> , 2004, 279, 12001-12004.	3.4	590
3	Activation of integrins in endothelial cells by fluid shear stress mediates Rho-dependent cytoskeletal alignment. <i>EMBO Journal</i> , 2001, 20, 4639-4647.	7.8	490
4	Activation of Rac1 by shear stress in endothelial cells mediates both cytoskeletal reorganization and effects on gene expression. <i>EMBO Journal</i> , 2002, 21, 6791-6800.	7.8	297
5	Role of Small GTPases in Endothelial Cytoskeletal Dynamics and the Shear Stress Response. <i>Circulation Research</i> , 2006, 98, 176-185.	4.5	235
6	Localized Cdc42 Activation, Detected Using a Novel Assay, Mediates Microtubule Organizing Center Positioning in Endothelial Cells in Response to Fluid Shear Stress. <i>Journal of Biological Chemistry</i> , 2003, 278, 31020-31023.	3.4	165
7	Localized Tensional Forces on PECAM-1 Elicit a Global Mechanotransduction Response via the Integrin-RhoA Pathway. <i>Current Biology</i> , 2012, 22, 2087-2094.	3.9	153
8	Endothelial Mechanosignaling: Does One Sensor Fit All?. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 373-388.	5.4	128
9	The guidance receptor plexin D1 is a mechanosensor in endothelial cells. <i>Nature</i> , 2020, 578, 290-295.	27.8	126
10	Cardiac contraction activates endocardial Notch signaling to modulate chamber maturation in zebrafish. <i>Development (Cambridge)</i> , 2015, 142, 4080-4091.	2.5	117
11	PECAM-1 Is Necessary for Flow-Induced Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1067-1073.	2.4	95
12	Pericytes Regulate Vascular Basement Membrane Remodeling and Govern Neutrophil Extravasation during Inflammation. <i>PLoS ONE</i> , 2012, 7, e45499.	2.5	95
13	Haemodynamic and extracellular matrix cues regulate the mechanical phenotype and stiffness of aortic endothelial cells. <i>Nature Communications</i> , 2014, 5, 3984.	12.8	95
14	VE-cadherin Links tRNA Synthetase Cytokine to Anti-angiogenic Function. <i>Journal of Biological Chemistry</i> , 2005, 280, 2405-2408.	3.4	89
15	Role of PECAM-1 in Arteriogenesis and Specification of Preexisting Collaterals. <i>Circulation Research</i> , 2010, 107, 1355-1363.	4.5	75
16	The novel fragment of tyrosyl tRNA synthetase, mini-TyrRS, is secreted to induce an angiogenic response in endothelial cells. <i>FASEB Journal</i> , 2008, 22, 1597-1605.	0.5	59
17	Hemodynamic forces in endothelial dysfunction and vascular aging. <i>Experimental Gerontology</i> , 2011, 46, 185-188.	2.8	58
18	A novel pathway spatiotemporally activates Rac1 and redox signaling in response to fluid shear stress. <i>Journal of Cell Biology</i> , 2013, 201, 863-873.	5.2	58

#	ARTICLE	IF	CITATIONS
19	Biologically active fragment of a human tRNA synthetase inhibits fluid shear stress-activated responses of endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14903-14907.	7.1	56
20	Shc coordinates signals from intercellular junctions and integrins to regulate flow-induced inflammation. <i>Journal of Cell Biology</i> , 2008, 182, 185-196.	5.2	54
21	Annexin V relocates to the platelet cytoskeleton upon activation and binds to a specific isoform of actin. <i>FEBS Journal</i> , 2000, 267, 4720-4730.	0.2	50
22	Localized \pm 4 Integrin Phosphorylation Directs Shear Stress-Induced Endothelial Cell Alignment. <i>Circulation Research</i> , 2008, 103, 177-185.	4.5	50
23	Platelet annexin V: the ins and outs. <i>Platelets</i> , 2000, 11, 245-251.	2.3	37
24	Inhibition of tumor angiogenesis by a natural fragment of a tRNA synthetase. <i>Trends in Biochemical Sciences</i> , 2006, 31, 7-10.	7.5	37
25	Mechanical forces regulate endothelial-to-mesenchymal transition and atherosclerosis via an Alk5-Shc mechanotransduction pathway. <i>Science Advances</i> , 2021, 7, .	10.3	37
26	Platelet-Endothelial Cell Adhesion Molecule-1 Regulates Endothelial NO Synthase Activity and Localization Through Signal Transducers and Activators of Transcription 3-Dependent NOSTRIN Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 643-649.	2.4	36
27	Evidence for Annexin II-S100A10 Complex and Plasmin in Mobilization of Cytokine Activity of Human TrpRS. <i>Journal of Biological Chemistry</i> , 2008, 283, 2070-2077.	3.4	35
28	Endothelial Shc Regulates Arteriogenesis Through Dual Control of Arterial Specification and Inflammation via the Notch and Nuclear Factor- κ B-Light-Chain-Enhancer of Activated B-Cell Pathways. <i>Circulation Research</i> , 2013, 113, 32-39.	4.5	35
29	Bmper Inhibits Endothelial Expression of Inflammatory Adhesion Molecules and Protects Against Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2214-2222.	2.4	32
30	Mammalian aminoacyl-tRNA synthetases: Cell signaling functions of the protein translation machinery. <i>Vascular Pharmacology</i> , 2010, 52, 21-26.	2.1	29
31	Annexin V Binds to the Actin-Based Cytoskeleton at the Plasma Membrane of Activated Platelets. <i>Experimental Cell Research</i> , 1999, 251, 185-193.	2.6	21
32	The adaptor protein Shc integrates growth factor and ECM signaling during postnatal angiogenesis. <i>Blood</i> , 2012, 119, 1946-1955.	1.4	21
33	Platelet Endothelial Cell Adhesion Molecule-1 Mediates Endothelial-Cardiomyocyte Communication and Regulates Cardiac Function. <i>Journal of the American Heart Association</i> , 2015, 4, e001210.	3.7	19
34	A turbulent path to plaque formation. <i>Nature</i> , 2016, 540, 531-532.	27.8	19
35	Rac[e] to the pole. <i>Small GTPases</i> , 2014, 5, e28650.	1.6	17
36	Pulling on my heartstrings. <i>Current Opinion in Hematology</i> , 2016, 23, 235-242.	2.5	16

#	ARTICLE	IF	CITATIONS
37	Effect of mini-tyrosyl-tRNA synthetase on ischemic angiogenesis, leukocyte recruitment, and vascular permeability. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R1138-R1146.	1.8	13
38	ANNEXIN V RELOCATES TO THE PERIPHERY OF ACTIVATED PLATELETS FOLLOWING THROMBIN ACTIVATION: AN ULTRASTRUCTURAL IMMUNOHISTOCHEMICAL APPROACH. <i>Cell Biology International</i> , 1999, 23, 629-635.	3.0	12
39	Investigation of the Relocation of Cytosolic Phospholipase A2 and Annexin V in Activated Platelets. <i>Thrombosis Research</i> , 2000, 97, 421-429.	1.7	12
40	Spatial signaling networks converge at the adaptor protein Shc. <i>Cell Cycle</i> , 2009, 8, 231-235.	2.6	10
41	Haemodynamics Regulate Fibronectin Assembly via PECAM. <i>Scientific Reports</i> , 2017, 7, 41223.	3.3	8
42	Natural Aminoacyl tRNA Synthetase Fragment Enhances Cardiac Function after Myocardial Infarction. <i>PLoS ONE</i> , 2014, 9, e109325.	2.5	7
43	Vessels With Cingulin Are Leakproof. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 584-585.	2.4	6
44	Eukaryotic initiation factor 6 regulates mechanical responses in endothelial cells. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	6
45	RhoA goes GLOBAL. <i>Small GTPases</i> , 2013, 4, 123-126.	1.6	4
46	S1P1 Bridges Mechanotransduction and Angiogenesis during Vascular Development. <i>Developmental Cell</i> , 2012, 23, 451-452.	7.0	2
47	To Fuse or Not to Fuse. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1959-1960.	2.4	0