Dolly Mehta

List of Publications by Year
in descending order

68	4,467	218381	243296
papers	citations	26 h-index	44 g-index

68	68	68	5941
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endothelial ERG determines the Immune Niche and Vascular Homeostasis. FASEB Journal, 2021, 35, .	0.2	0
2	Piezo1 promotes ER Ca 2+ transport to regulate the cellular responses of endothelial cells to shear stress. FASEB Journal, 2021, 35, .	0.2	0
3	Nrf2 Regulates Anti-Inflammatory A20 Deubiquitinase Induction by LPS in Macrophages in Contextual Manner. Antioxidants, 2021, 10, 847.	2.2	4
4	Hyperoxia-induced S1P1 signaling reduced angiogenesis by suppression of TIE-2 leading to experimental bronchopulmonary dysplasia. Cell Biochemistry and Biophysics, 2021, 79, 561-573.	0.9	7
5	Programming to S1PR1 ⁺ Endothelial Cells Promotes Restoration of Vascular Integrity. Circulation Research, 2021, 129, 221-236.	2.0	23
6	Evidence for reprogramming of monocytes into reparative alveolar macrophages in vivo by targeting PDE4b. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L686-L702.	1.3	5
7	Tyrosine phosphorylation of S1PR1 leads to chaperone BiP-mediated import to the endoplasmic reticulum. Journal of Cell Biology, 2021, 220, .	2.3	3
8	TERTing the hyperoxic lung. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1103-H1105.	1.5	1
9	S1P Generation by Sphingosine Kinase-2 in Recruited Macrophages Resolves Lung Inflammation by Blocking STING Signaling in Alveolar Macrophages. Journal of Cellular Signaling, 2021, 2, 47-51.	0.5	0
10	Macrophage TLR4 and PAR2 Signaling: Role in Regulating Vascular Inflammatory Injury and Repair. Frontiers in Immunology, 2020, 11, 2091.	2.2	39
11	S1PR1 and VEGFR2 â€“ a synergy that promotes tumor angiogenesis?. Molecular and Cellular Oncology, 2020, 7, 1746131.	0.3	3
12	SPHK2-Generated S1P in CD11b+ Macrophages Blocks STING to Suppress the Inflammatory Function of Alveolar Macrophages. Cell Reports, 2020, 30, 4096-4109.e5.	2.9	40
13	Post-translational modifications of S1PR1 and endothelial barrier regulation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158760.	1.2	11
14	IL-1Î² suppression of VE-cadherin transcription underlies sepsis-induced inflammatory lung injury. Journal of Clinical Investigation, 2020, 130, 3684-3698.	3.9	116
15	PAR2-Mediated cAMP Generation Suppresses TRPV4-Dependent Ca2+ Signaling in Alveolar Macrophages to Resolve TLR4-Induced Inflammation. Cell Reports, 2019, 27, 793-805.e4.	2.9	52
16	Sphingosine-1-Phosphate Receptor 1 Activity Promotes Tumor Growth by Amplifying VEGF-VEGFR2 Angiogenic Signaling. Cell Reports, 2019, 29, 3472-3487.e4.	2.9	41
17	Piezo1 mediates angiogenesis through activation of MT1-MMP signaling. American Journal of Physiology - Cell Physiology, 2019, 316, C92-C103.	2.1	97
18	Role of Piezo1 in cAMPâ€Đependent Calcium Release From ER Stores in Endothelial Cells. FASEB Journal, 2019, 33, 809.9.	0.2	3

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19	PTEN suppresses epigenetic modulation of ERG transcription factor to maintain endothelial lineage and vascular integrity. FASEB Journal, 2018, 32, 746.10.	0.2	0
20	Sphingosine Kinase 2 Expression in CD11b + Macrophages Negatively Regulates cGASSTING Activity and Resolves Lung Injury. FASEB Journal, 2018, 32, 832.18.	0.2	0
21	FAK maintenance of endothelial mechanotransduction controls epigenetic repression of KLF2 and S1PR1 transcription. FASEB Journal, 2018, 32, 837.7.	0.2	0
22	Protease activated receptor 2 deficiency in alveolar macrophages impairs cAMP generation leading to NFATâ€dependent proâ€inflammatory signalling and lung injury. FASEB Journal, 2018, 32, 746.6.	0.2	0
23	Dynamin internalizes tyrosine phosphorylated sphingosine 1 phosphate receptor 1 and impair downstream signaling. FASEB Journal, 2018, 32, 557.13.	0.2	0
24	Myosin Light Chain Kinaseâ€210 Induces ERâ€PM Junctions and STIM1 Puncta Formation to Augment Storeâ€Operated Ca 2+ Entry. FASEB Journal, 2018, 32, 865.1.	0.2	0
25	Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability. Circulation Research, 2017, 120, 179-206.	2.0	345
26	Response by Komarova et al to Letter Regarding Article, â€œProtein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeabilityâ€. Circulation Research, 2017, 120, e28.	2.0	1
27	STIM1 Phosphorylation at Y361 Recruits Orai1 to STIM1 Puncta and Induces Ca2+ Entry. Scientific Reports, 2017, 7, 42758.	1.6	48
28	Embryonic Stem Cell Differentiation to Functional Arterial Endothelial Cells through Sequential Activation of ETV2 and NOTCH1 Signaling by HIF1Î±. Stem Cell Reports, 2017, 9, 796-806.	2.3	35
29	oxLDL induces endothelial cell proliferation via Rho/ROCK/Akt/p27kip1 signaling: opposite effects of oxLDL and cholesterol loading. American Journal of Physiology - Cell Physiology, 2017, 313, C340-C351.	2.1	22
30	Synaptopodin Limits TRPC6 Podocyte Surface Expression and Attenuates Proteinuria. Journal of the American Society of Nephrology: JASN, 2016, 27, 3308-3319.	3.0	47
31	MicroRNA-150 Suppression of Angiopoetin-2 Generation and Signaling Is Crucial for Resolving Vascular Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 380-388.	1.1	43
32	ROS-activated calcium signaling mechanisms regulating endothelial barrier function. Cell Calcium, 2016, 60, 163-171.	1.1	73
33	Transient receptor potential channel 1 maintains adherens junction plasticity by suppressing sphingosine kinase 1 expression to induce endothelial hyperpermeability. FASEB Journal, 2016, 30, 102-110.	0.2	17
34	All-Trans Retinoic Acid Induces TGF-Î²2 in Intestinal Epithelial Cells via RhoA- and p38Î± MAPK-Mediated Activation of the Transcription Factor ATF2. PLoS ONE, 2015, 10, e0134003.	1.1	20
35	p120-Catenin Expressed in Alveolar Type II Cells Is Essential for the Regulation of Lung Innate Immune Response. American Journal of Pathology, 2015, 185, 1251-1263.	1.9	18
36	Visualization of Fra-1/AP-1 activation during LPS-induced inflammatory lung injury using fluorescence optical imaging. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L414-L424.	1.3	7

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37	Upregulated expression of STIM2, TRPC6, and Orai2 contributes to the transition of pulmonary arterial smooth muscle cells from a contractile to proliferative phenotype. American Journal of Physiology - Cell Physiology, 2015, 308, C581-C593.	2.1	91
38	Role of Tyr143 phosphorylation of S1PR1 in downregulating endothelial cell surface S1PR1 expression and responsiveness. Journal of Cell Science, 2015, 128, 878-87.	1.2	22
39	ROCK2 primes the endothelium for vascular hyperpermeability responses by raising baseline junctional tension. Vascular Pharmacology, 2015, 70, 45-54.	1.0	33
40	ADAM 17 Regulates S1PR1 Surface Expression by its Ectodomain Shedding thereby Disrupting Endothelial Barrier Function. FASEB Journal, 2015, 29, 627.7.	0.2	0
41	AP2M1 induced internalization of TRPC6 regulates calcium influx. FASEB Journal, 2015, 29, 627.10.	0.2	0
42	Pyk2â€induced Tyrosine Phosphorylation of STIM1 at Y361 Residue Regulates Puncta Formation, Storeâ€Operated Calcium Entry and Lung Vascular Permeability. FASEB Journal, 2015, 29, 661.9.	0.2	0
43	Mechanisms Regulating Endothelial Permeability. Pulmonary Circulation, 2014, 4, 535-551.	0.8	218
44	The role of mechanical tension on lipid raft dependent PDGF-induced TRPC6 activation. Biomaterials, 2014, 35, 2868-2877.	5.7	24
45	Novel regulators of endothelial barrier function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L924-L935.	1.3	109
46	Conditional deletion of FAK in mice endothelium disrupts lung vascular barrier function due to destabilization of RhoA and Rac1 activities. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L291-L300.	1.3	47
47	Long Isoform of Myosin Light Chain Kinase Interacts with Calcium Releaseâ€Activated Calcium Channel Constituents to Induce an Amplified and Protracted Increase in Intracellular Calcium. FASEB Journal, 2013, 27, 724.8.	0.2	0
48	TLR4 activation of TRPC6-dependent calcium signaling mediates endotoxin-induced lung vascular permeability and inflammation. Journal of Experimental Medicine, 2012, 209, 1953-1968.	4.2	191
49	Cyclic AMP response element-binding protein prevents endothelial permeability increase through transcriptional controlling p190RhoGAP expression. Blood, 2012, 119, 308-319.	0.6	36
50	Endothelial Focal adhesion kinase maintains lung fluid balance and prevents cytokine storm. FASEB Journal, 2012, 26, 1063.8.	0.2	0
51	Sphingosine Kinaseâ€1 regulates VEGFâ€A induced angiogenesis by mediating the interaction between VEGFR2 and S1P1. FASEB Journal, 2012, 26, .	0.2	0
52	Cation channel TRPC6 activation of TLR4 in endothelial cells mediates sepsisâ€induced acute lung injury. FASEB Journal, 2012, 26, 1130.5.	0.2	0
53	Endothelial FAK suppresses NADPH oxidase activity and ROS generation to prevent ALI. FASEB Journal, 2011, 25, 1100.4.	0.2	0
54	A novel role of macrophages in turningâ€off endotoxinâ€induced neutrophiliclung inflammation and thereby preventing acute lung injury associated withGram negative bacteria. FASEB Journal, 2011, 25, 1017.3.	0.2	0

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55	A New Role for PTEN in Regulating Transient Receptor Potential Canonical Channel 6-mediated Ca2+ Entry, Endothelial Permeability, and Angiogenesis*. Journal of Biological Chemistry, 2010, 285, 33082-33091.	1.6	72
56	Cyclic AMP response element binding protein, CREB, induces endothelial cell proliferation and angiogenesis in response to thrombin. FASEB Journal, 2010, 24, 956.7.	0.2	0
57	Endothelial Focal Adhesion Kinase Depletion Augments Lung Vascular Permeability by Impairing Sphingosineâ€1â€Phosphate Receptorâ€1 Function. FASEB Journal, 2009, 23, 581.12.	0.2	0
58	TRPC1â€Mediated Ca2+ Entry Increases Lung Microvascular Permeability. FASEB Journal, 2009, 23, 964.9.	0.2	0
59	Regulation of Endothelial Junctional Permeability. Annals of the New York Academy of Sciences, 2008, 1123, 134-145.	1.8	501
60	Activation of Sphingosine Kinase-1 Reverses the Increase in Lung Vascular Permeability Through Sphingosine-1-Phosphate Receptor Signaling in Endothelial Cells. Circulation Research, 2008, 103, 1164-1172.	2.0	174
61	The Role of Focal Adhesion Kinase in Sphingosineâ€1â€Phosphate Induced Endothelial Barrier Enhancement. FASEB Journal, 2008, 22, 1178.1.	0.2	1
62	A novel role of phosphatase and tensin homolog in regulating transient receptor potential channel 6â€mediated Ca2+â€entry and endothelial permeability. FASEB Journal, 2008, 22, 1178.4.	0.2	0
63	Signaling Mechanisms Regulating Endothelial Permeability. Physiological Reviews, 2006, 86, 279-367.	13.1	1,496
64	Regulator of G Protein Signaling 2 (RGS2) Inhibits Intracellular Ca2+ Mobilization and RhoA Activation: Role in Regulation of Endothelial Permeability. FASEB Journal, 2006, 20, A256.	0.2	0
65	Sphingosine 1-Phosphate-induced Mobilization of Intracellular Ca2+ Mediates Rac Activation and Adherens Junction Assembly in Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 17320-17328.	1.6	137
66	Requirement for Ca²⁺signaling in the mechanism of thrombin-induced increase in endothelial permeability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L239-L247.	1.3	61
67	Abrogation of thrombin-induced increase in pulmonary microvascular permeability in PAR-1 knockout mice. Physiological Genomics, 2000, 4, 137-145.	1.0	133
68	Pulmonary Endothelial Cell Calcium Signaling and Regulation of Lung Vascular Barrier Function. , 0, , 73-88.		0