

Yulia A Komarova

List of Publications by Year in descending order

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48
papers

2,347
citations

331670

21
h-index

377865

34
g-index

49
all docs

49
docs citations

49
times ranked

3699
citing authors

#	ARTICLE	IF	CITATIONS
1	CLIC1 and CLIC4 mediate endothelial S1P receptor signaling to facilitate Rac1 and RhoA activity and function. <i>Science Signaling</i> , 2021, 14, .	3.6	17
2	Piezo1 promotes ER Ca ²⁺ transport to regulate the cellular responses of endothelial cells to shear stress. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
3	Tyrosine phosphorylation of S1PR1 leads to chaperone BiP-mediated import to the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	3
4	NMR resonance assignment and structure prediction of the C-terminal domain of the microtubule end-binding protein 3. <i>PLoS ONE</i> , 2020, 15, e0232338.	2.5	1
5	Phospholipase D2 restores endothelial barrier function by promoting PTPN14-mediated VE-cadherin dephosphorylation. <i>Journal of Biological Chemistry</i> , 2020, 295, 7669-7685.	3.4	17
6	Title is missing!. , 2020, 15, e0232338.		0
7	Title is missing!. , 2020, 15, e0232338.		0
8	Title is missing!. , 2020, 15, e0232338.		0
9	Title is missing!. , 2020, 15, e0232338.		0
10	Analysis of biological networks in the endothelium with biomimetic microsystem platform. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L392-L401.	2.9	1
11	Endothelial cell Piezo1 mediates pressure-induced lung vascular hyperpermeability via disruption of adherens junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12980-12985.	7.1	154
12	VE-PTP stabilizes VE-cadherin junctions and the endothelial barrier via a phosphatase-independent mechanism. <i>Journal of Cell Biology</i> , 2019, 218, 1725-1742.	5.2	40
13	<i>Pseudomonas aeruginosa</i> stimulates nuclear sphingosine-1-phosphate generation and epigenetic regulation of lung inflammatory injury. <i>Thorax</i> , 2019, 74, 579-591.	5.6	38
14	N-cadherin signaling via Trio assembles adherens junctions to restrict endothelial permeability. <i>Journal of Cell Biology</i> , 2019, 218, 299-316.	5.2	49
15	Role of Piezo1 in cAMP-Dependent Calcium Release From ER Stores in Endothelial Cells. <i>FASEB Journal</i> , 2019, 33, 809.9.	0.5	3
16	SIRT2 stabilizes endothelial adherens junctions. <i>FASEB Journal</i> , 2019, 33, 682.8.	0.5	1
17	The HCMV Assembly Compartment Is a Dynamic Golgi-Derived MTOC that Controls Nuclear Rotation and Virus Spread. <i>Developmental Cell</i> , 2018, 45, 83-100.e7.	7.0	59
18	Mechanosensing Piezo channels in tissue homeostasis including their role in lungs. <i>Pulmonary Circulation</i> , 2018, 8, 1-6.	1.7	49

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19	Nâ€Cadherin Juxtacrine Signaling Maintains Blood Brain Barrier and Cognitive Function. FASEB Journal, 2018, 32, 922.4.	0.5	0
20	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.	0.5	0
21	Protein Interactions at Endothelial Junctions and Signaling Mechanisms Regulating Endothelial Permeability. Circulation Research, 2017, 120, 179-206.	4.5	345
22	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.	4.5	1
23	STIM1 Phosphorylation at Y361 Recruits Orai1 to STIM1 Puncta and Induces Ca2+ Entry. Scientific Reports, 2017, 7, 42758.	3.3	48
24	IP3 receptor signaling and endothelial barrier function. Cellular and Molecular Life Sciences, 2017, 74, 4189-4207.	5.4	12
25	Microtubule-Associated Protein EB3 Regulates IP3 Receptor Clustering and Ca2+ Signaling in Endothelial Cells. Cell Reports, 2015, 12, 79-89.	6.4	35
26	Rac1 functions as a reversible tension modulator to stabilize VE-cadherin trans-interaction. Journal of Cell Biology, 2015, 208, 23-32.	5.2	63
27	Novel Role of Reactive Oxygen Speciesâ€Activated <i>trp</i> Melastatin Channel-2 in Mediating Angiogenesis and Postischemic Neovascularization. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 877-887.	2.4	40
28	Histone Demethylases KDM4A and KDM4C Regulate Differentiation of Embryonic Stem Cells to Endothelial Cells. Stem Cell Reports, 2015, 5, 10-21.	4.8	40
29	HIF2â€ signaling inhibits adherens junctional disruption in acute lung injury. Journal of Clinical Investigation, 2015, 125, 652-664.	8.2	105
30	Tension across adherens junctions: when less is more. Oncotarget, 2015, 6, 30433-30434.	1.8	4
31	Evidence of a common mechanism of disassembly of adherens junctions through Gâ€13 targeting of VE-cadherin. Journal of Experimental Medicine, 2014, 211, 579-591.	8.5	60
32	KIF13B regulates angiogenesis through golgi-plasma membrane trafficking of VEGFR2. Journal of Cell Science, 2014, 127, 4518-30.	2.0	40
33	Activation of Rac1 at adherens junctions promotes VEâ€cadherin trans interaction. FASEB Journal, 2013, 27, 875.3.	0.5	0
34	End Binding protein 3 regulates calcium signaling and permeability of the endothelial barrier. FASEB Journal, 2013, 27, 875.5.	0.5	0
35	VE-Cadherin Signaling Induces EB3 Phosphorylation to Suppress Microtubule Growth and Assemble Adherens Junctions. Molecular Cell, 2012, 48, 914-925.	9.7	49
36	PKCâ€ Activation of p120-Catenin Serine 879 Phospho-Switch Disassembles VE-Cadherin Junctions and Disrupts Vascular Integrity. Circulation Research, 2012, 111, 739-749.	4.5	83

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37	Localized activation of Rac1 promotes IQGAP1-dependent VE-cadherin trans interaction: Role in junction stabilization. FASEB Journal, 2012, 26, 1063.5.	0.5	0
38	Downstream Effects of the Homophilic PECAM-1 Interaction in Neutrophils. FASEB Journal, 2012, 26, 55.7.	0.5	0
39	Role of adaptor protein IQGAP1 in regulating endothelial permeability of lung vessels. FASEB Journal, 2012, 26, 671.9.	0.5	0
40	Caveolin-1-eNOS signaling promotes p190RhoGAP-A nitration and endothelial permeability. Journal of Cell Biology, 2011, 193, 841-850.	5.2	90
41	Microtubule-associated protein EB3 regulates calcium signaling and facilitates increase in endothelial permeability. FASEB Journal, 2011, 25, 1b496.	0.5	0
42	Regulation of Endothelial Permeability via Paracellular and Transcellular Transport Pathways. Annual Review of Physiology, 2010, 72, 463-493.	13.1	553
43	Nitration of p190RhoGAP secondary to caveolae-mediated endocytosis increases endothelial junctional permeability. FASEB Journal, 2009, 23, 121.8.	0.5	1
44	VE-cadherin-mediated signaling regulates microtubule dynamics. FASEB Journal, 2009, 23, 357.8.	0.5	0
45	FGF Signaling Preserves the Integrity of Endothelial Adherens Junctions. Developmental Cell, 2008, 15, 335-336.	7.0	9
46	Deletion of PKCalpha in mice attenuates the thrombin-induced increase in lung vascular permeability. FASEB Journal, 2008, 22, 1200.4.	0.5	0
47	Dual Regulation of Endothelial Junctional Permeability. Science's STKE: Signal Transduction Knowledge Environment, 2007, 2007, re8.	3.9	166
48	Conformational changes in CLIP-170 regulate its binding to microtubules and dynactin localization. Journal of Cell Biology, 2004, 166, 1003-1014.	5.2	159