Sandra Citi

List of Publications by Year
in descending order

82 papers	5,610 citations	70961 41 h-index	79541 73 g-index
99 all docs	99 docs citations	99 times ranked	4629 citing authors

#	Article	IF	Citations
1	Cingulin, a new peripheral component of tight junctions. Nature, 1988, 333, 272-276.	13.7	490
2	Interaction of Junctional Adhesion Molecule with the Tight Junction Components ZO-1, Cingulin, and Occludin. Journal of Biological Chemistry, 2000, 275, 20520-20526.	1.6	411
3	Protein kinase inhibitors prevent junction dissociation induced by low extracellular calcium in MDCK epithelial cells. Journal of Cell Biology, 1992, 117, 169-178.	2.3	276
4	Cingulin Contains Globular and Coiled-Coil Domains and Interacts with Zo-1, Zo-2, Zo-3, and Myosin. Journal of Cell Biology, 1999, 147, 1569-1582.	2.3	267
5	The molecular organization of tight junctions.. Journal of Cell Biology, 1993, 121, 485-489.	2.3	201
6	Binding of GEF-H1 to the Tight Junction-Associated Adaptor Cingulin Results in Inhibition of Rho Signaling and G1/S Phase Transition. Developmental Cell, 2005, 8, 777-786.	3.1	182
7	Intestinal barriers protect against disease. Science, 2018, 359, 1097-1098.	6.0	171
8	The cytoplasmic plaque of tight junctions: A scaffolding and signalling center. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 601-613.	1.4	166
9	Epithelial junctions and Rho family GTPases: the zonular signalosome. Small GTPases, 2014, 5, e973760.	0.7	152
10	Histone Deacetylase Inhibitors Up-Regulate the Expression of Tight Junction Proteins. Molecular Cancer Research, 2004, 2, 692-701.	1.5	128
11	Tension-Dependent Stretching Activates ZO-1 to Control the Junctional Localization of Its Interactors. Current Biology, 2017, 27, 3783-3795.e8.	1.8	123
12	Effect of protein kinase inhibitor H-7 on the contractility, integrity, and membrane anchorage of the microfilament system. Cytoskeleton, 1994, 29, 321-338.	4.4	106
13	Molecular complexity of vertebrate tight junctions (Review). Molecular Membrane Biology, 2002, 19, 103-112.	2.0	104
14	Cingulin Regulates Claudin-2 Expression and Cell Proliferation through the Small GTPase RhoA. Molecular Biology of the Cell, 2006, 17, 3569-3577.	0.9	96
15	The mechanobiology of tight junctions. Biophysical Reviews, 2019, 11, 783-793.	1.5	96
16	Distinct E-cadherin-based complexes regulate cell behaviour through miRNA processing or Src and p120Âcatenin activity. Nature Cell Biology, 2015, 17, 1145-1157.	4.6	93
17	Differentiation of the epithelial apical junctional complex during mouse preimplantation development: a role for rab13 in the early maturation of the tight junction. Mechanisms of Development, 2000, 97, 93-104.	1.7	91
18	Polymerization of vertebrate non-muscle and smooth muscle myosins. Journal of Molecular Biology, 1987, 198, 241-252.	2.0	89

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19	Claudin-1 and claudin-5 expression patterns differentiate lung squamous cell carcinomas from adenocarcinomas. Modern Pathology, 2007, 20, 947-954.	2.9	88
20	Tight junction proteins1This review is dedicated to the memory of Thomas Kreis.1. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1448, 1-11.	1.9	85
21	The role of phosphorylation in development of tight junctions in cultured renal epithelial (MDCK) cells. Biochemical and Biophysical Research Communications, 1991, 181, 548-553.	1.0	82
22	Disruption of the cingulin gene does not prevent tight junction formation but alters gene expression. Journal of Cell Science, 2004, 117, 5245-5256.	1.2	81
23	Cingulin and actin mediate midbody-dependent apical lumen formation during polarization of epithelial cells. Nature Communications, 2016, 7, 12426.	5.8	80
24	Paracingulin Regulates the Activity of Rac1 and RhoA GTPases by Recruiting Tiam1 and GEF-H1 to Epithelial Junctions. Molecular Biology of the Cell, 2008, 19, 4442-4453.	0.9	78
25	PLEKHA7 Is an Adherens Junction Protein with a Tissue Distribution and Subcellular Localization Distinct from ZO-1 and E-Cadherin. PLoS ONE, 2010, 5, e12207.	1.1	78
26	Regulation of non-muscle myosin structure and function. BioEssays, 1987, 7, 155-159.	1.2	74
27	Cingulin interacts with F-actin in vitro. FEBS Letters, 2001, 507, 21-24.	1.3	74
28	Xenopus laevis occludin . Identification of in vitro phosphorylation sites by protein kinase CK2 and association with cingulin. FEBS Journal, 1999, 264, 374-384.	0.2	73
29	The adherens junctions control susceptibility to <i>Staphylococcus aureus</i> Î±-toxin. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14337-14342.	3.3	68
30	LncRNA EPR controls epithelial proliferation by coordinating Cdkn1a transcription and mRNA decay response to TGF-Î². Nature Communications, 2019, 10, 1969.	5.8	68
31	Tight junction biogenesis in the early Xenopus embryo. Mechanisms of Development, 2000, 96, 51-65.	1.7	65
32	Histone deacetylase inhibitors up-regulate the expression of tight junction proteins. Molecular Cancer Research, 2004, 2, 692-701.	1.5	62
33	Evidence for a Functional Interaction between Cingulin and ZO-1 in Cultured Cells. Journal of Biological Chemistry, 2002, 277, 27757-27764.	1.6	60
34	The role of apical cellâ€“cell junctions and associated cytoskeleton in mechanotransduction. Biology of the Cell, 2017, 109, 139-161.	0.7	60
35	Regulation in vitro of brush border myosin by light chain phosphorylation. Journal of Molecular Biology, 1986, 188, 369-382.	2.0	59
36	A Role for ZO-1 and PLEKHA7 in Recruiting Paracingulin to Tight and Adherens Junctions of Epithelial Cells. Journal of Biological Chemistry, 2011, 286, 16743-16750.	1.6	59

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37	Regulation of small GTPases at epithelial cell-cell junctions. Molecular Membrane Biology, 2011, 28, 427-444.	2.0	58
38	Scaffolding proteins of vertebrate apical junctions: structure, functions and biophysics. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183399.	1.4	58
39	Tight junctions in early amphibian development: Detection of junctional cingulin from the 2-cell stage and its localization at the boundary of distinct membrane domains in dividing blastomeres in low calcium. Developmental Dynamics, 1996, 207, 104-113.	0.8	54
40	Cingulin, paracingulin, and PLEKHA7: signaling and cytoskeletal adaptors at the apical junctional complex. Annals of the New York Academy of Sciences, 2012, 1257, 125-132.	1.8	49
41	The role of microtubules in the regulation of epithelial junctions. Tissue Barriers, 2018, 6, 1539596.	1.6	48
42	MgcRacGAP interacts with cingulin and paracingulin to regulate Rac1 activation and development of the tight junction barrier during epithelial junction assembly. Molecular Biology of the Cell, 2014, 25, 1995-2005.	0.9	47
43	Cingulin is dispensable for epithelial barrier function and tight junction structure, and plays a role in the control of claudin-2 expression and response to duodenal mucosa injury. Journal of Cell Science, 2012, 125, 5005-14.	1.2	43
44	PLEKHA7 modulates epithelial tight junction barrier function. Tissue Barriers, 2014, 2, e28755.	1.6	43
45	Evidence That Cingulin Regulates Endothelial Barrier Function In Vitro and In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 647-654.	1.1	42
46	The Tight Junction Protein Cingulin Regulates Gene Expression and RhoA Signaling. Annals of the New York Academy of Sciences, 2009, 1165, 88-98.	1.8	41
47	A Dock-and-Lock Mechanism Clusters ADAM10 at Cell-Cell Junctions to Promote Î±-Toxin Cytotoxicity. Cell Reports, 2018, 25, 2132-2147.e7.	2.9	40
48	ZO Proteins Redundantly Regulate the Transcription Factor DbpA/ZONAB. Journal of Biological Chemistry, 2014, 289, 22500-22511.	1.6	38
49	Vascular Smooth Muscle Cells of H-2K ^b -tsA58 Transgenic Mice. Circulation, 1995, 92, 3289-3296.	1.6	36
50	Inducible overexpression of cingulin in stably transfected MDCK cells does not affect tight junction organization and gene expression. Molecular Membrane Biology, 2008, 25, 1-13.	2.0	34
51	Toll-like receptor 2 regulates the barrier function of human bronchial epithelial monolayers through atypical protein kinase C zeta, and an increase in expression of claudin-1. Tissue Barriers, 2014, 2, e29166.	1.6	33
52	Human and Xenopus Cingulin Share a Modular Organization of the Coiled-Coil Rod Domain: Predictions for Intra- and Intermolecular Assembly. Journal of Structural Biology, 2000, 131, 135-145.	1.3	31
53	Cingulin and paracingulin show similar dynamic behaviour, but are recruited independently to junctions. Molecular Membrane Biology, 2011, 28, 123-135.	2.0	30
54	PLEKHA7 Recruits PDZD11 to Adherens Junctions to Stabilize Nectins. Journal of Biological Chemistry, 2016, 291, 11016-11029.	1.6	28

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55	The control of gene expression and cell proliferation by the epithelial apical junctional complex. Essays in Biochemistry, 2012, 53, 83-93.	2.1	27
56	The Junctional Proteins Cingulin and Paracingulin Modulate the Expression of Tight Junction Protein Genes through GATA-4. PLoS ONE, 2013, 8, e55873.	1.1	24
57	Studies on the structure and conformation of brush border myosin using monoclonal antibodies. FEBS Journal, 1987, 165, 315-325.	0.2	22
58	PLEKHA7: Cytoskeletal adaptor protein at center stage in junctional organization and signaling. International Journal of Biochemistry and Cell Biology, 2016, 75, 112-116.	1.2	22
59	Role of Cingulin in Agonist-induced Vascular Endothelial Permeability. Journal of Biological Chemistry, 2016, 291, 23681-23692.	1.6	20
60	The Expression of the Zonula Adhaerens Protein PLEKHA7 Is Strongly Decreased in High Grade Ductal and Lobular Breast Carcinomas. PLoS ONE, 2015, 10, e0135442.	1.1	19
61	Cellâ€specific diversity in the expression and organization of cytoplasmic plaque proteins of apical junctions. Annals of the New York Academy of Sciences, 2017, 1405, 160-176.	1.8	19
62	PLEKHA5, PLEKHA6, and PLEKHA7 bind to PDZD11 to target the Menkes ATPase ATP7A to the cell periphery and regulate copper homeostasis. Molecular Biology of the Cell, 2021, 32, ar34.	0.9	16
63	Effects of light chain phosphorylation and skeletal myosin on the stability of non-muscle myosin filaments. Journal of Molecular Biology, 1987, 198, 253-262.	2.0	15
64	The ACE2 Receptor for Coronavirus Entry Is Localized at Apical Cellâ€"Cell Junctions of Epithelial Cells. Cells, 2022, 11, 627.	1.8	13
65	Cingulin binds to the ZU5 domain of scaffolding protein ZO-1 to promote its extended conformation, stabilization, and tight junction accumulation. Journal of Biological Chemistry, 2022, 298, 101797.	1.6	12
66	Brush border myosin filament assembly and interaction with actin investigated with monoclonal antibodies. Journal of Muscle Research and Cell Motility, 1988, 9, 306-319.	0.9	11
67	Distinct Domains of Paracingulin Are Involved in Its Targeting to the Actin Cytoskeleton and Regulation of Apical Junction Assembly. Journal of Biological Chemistry, 2012, 287, 13159-13169.	1.6	11
68	Cell Biology: Tight Junctions as Biomolecular Condensates. Current Biology, 2020, 30, R83-R86.	1.8	11
69	Cingulin, a Cytoskeleton-Associated Protein of the Tight Junction. , 2006, , 54-63.		10
70	The tight junction protein cingulin regulates the vascular response to burn injury in a mouse model. Microvascular Research, 2020, 132, 104067.	1.1	9
71	R40.76 binds to the Î± domain of ZO-1: role of ZO-1 (Î±+) in epithelial differentiation and mechano-sensing. Tissue Barriers, 2019, 7, e1653748.	1.6	8
72	How phosphorylation controls the self-assembly of vertebrate smooth and non-muscle myosins. Biochemical Society Transactions, 1988, 16, 501-503.	1.6	7

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73	The Molecular Basis for the Structure, Function, and Regulation of Tight Junctions. Advances in Molecular and Cell Biology, 1999, 28, 203-233.	0.1	6
74	Cooperative binding of the tandem WW domains of PLEKHA7 to PDZD11 promotes conformation-dependent interaction with tetraspanin 33. Journal of Biological Chemistry, 2020, 295, 9299-9312.	1.6	6
75	WW, PH and C-Terminal Domains Cooperate to Direct the Subcellular Localizations of PLEKHA5, PLEKHA6 and PLEKHA7. Frontiers in Cell and Developmental Biology, 2021, 9, 729444.	1.8	6
76	Tight junction formation in early Xenopus laevis embryos: identification and ultrastructural characterization of junctional crests and junctional vesicles. Cell and Tissue Research, 2007, 330, 247-256.	1.5	5
77	The Cytoplasmic Plaque Proteins of the Tight Junction. , 2001, , .		5
78	Introduction: opening up tight junctions. Seminars in Cell and Developmental Biology, 2000, 11, 277-279.	2.3	4
79	Grete Kellenberger-Gujer: Molecular biology research pioneer. Bacteriophage, 2016, 6, 1-12.	1.9	2
80	The PLEKHA7â€"PDZD11 complex regulates the localization of the calcium pump PMCA and calcium handling in cultured cells. Journal of Biological Chemistry, 2022, 298, 102138.	1.6	2
81	Tight junctions in early amphibian development: Detection of junctional cingulin from the 2-cell stage and its localization at the boundary of distinct membrane domains in dividing blastomeres in low calcium. , 1996, 207, 104.		1
82	Molecular analysis of the tight junction. Proceedings Annual Meeting Electron Microscopy Society of America, 1989, 47, 810-811.	0.0	0