Shigenobu Yonemura

List of Publications by Year
in descending order

42 papers	11,338 citations	159585 30 h-index	289244 40 g-index
42 all docs	42 docs citations	42 times ranked	11941 citing authors

#	Article	IF	Citations
1	Appropriate tension sensitivity of Î±-catenin ensures rounding morphogenesis of epithelial spheroids. Cell Structure and Function, 2022, 47, 55-73.	1.1	1
2	Afadin regulates actomyosin organization through Î±E-catenin at adherens junctions. Journal of Cell Biology, 2020, 219, .	5.2	31
3	Vinculin is critical for the robustness of the epithelial cell sheet paracellular barrier for ions. Life Science Alliance, 2019, 2, e201900414.	2.8	13
4	Establishment of Immunodeficient Retinal Degeneration Model Mice and Functional Maturation of Human ESC-Derived Retinal Sheets after Transplantation. Stem Cell Reports, 2018, 10, 1059-1074.	4.8	87
5	The forceâ€sensing device region of Î±â€catenin is an intrinsically disordered segment in the absence of intramolecular stabilization of the autoinhibitory form. Genes To Cells, 2018, 23, 370-385.	1.2	15
6	Real-time TIRF observation of vinculin recruitment to stretched Î±-catenin by AFM. Scientific Reports, 2018, 8, 1575.	3.3	21
7	Force-dependent allostery of the Î±-catenin actin-binding domain controls adherens junction dynamics and functions. Nature Communications, 2018, 9, 5121.	12.8	86
8	Medaka and zebrafish contactin1 mutants as a model for understanding neural circuits for motor coordination. Genes To Cells, 2017, 22, 723-741.	1.2	10
9	Actin filament association at adherens junctions. Journal of Medical Investigation, 2017, 64, 14-19.	0.5	19
10	Functional anterior pituitary generated in self-organizing culture of human embryonic stem cells. Nature Communications, 2016, 7, 10351.	12.8	153
11	Mechano-adaptive sensory mechanism of Î±-catenin under tension. Scientific Reports, 2016, 6, 24878.	3.3	55
12	Transplantation of human embryonic stem cell-derived retinal tissue in two primate models of retinal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E81-90.	7.1	268
13	Differentiation/Purification Protocol for Retinal Pigment Epithelium from Mouse Induced Pluripotent Stem Cells as a Research Tool. PLoS ONE, 2016, 11, e0158282.	2.5	15
14	Differential Sensitivity of Epithelial Cells to Extracellular Matrix in Polarity Establishment. PLoS ONE, 2014, 9, e112922.	2.5	36
15	Self-Formation of Optic Cups and Storable Stratified Neural Retina from Human ESCs. Cell Stem Cell, 2012, 10, 771-785.	11.1	1,243
16	Modulating F-actin organization induces organ growth by affecting the Hippo pathway. EMBO Journal, 2011, 30, 2325-2335.	7.8	376
17	Cadherinâ€“actin interactions at adherens junctions. Current Opinion in Cell Biology, 2011, 23, 515-522.	5.4	162
18	Self-formation of functional adenohypophysis in three-dimensional culture. Nature, 2011, 480, 57-62.	27.8	441

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19	A mechanism of mechanotransduction at the cellâ€cell interface. BioEssays, 2011, 33, 732-736.	2.5	25
20	Hippo pathway regulation by cell morphology and stress fibers. Development (Cambridge), 2011, 138, 3907-3914.	2.5	707
21	Tension as Important Information for Signal Transduction at Cell-cell Adhesion. Seibutsu Butsuri, 2011, 51, 162-167.	0.1	0
22	Î±-Catenin as a tension transducer that induces adherens junction development. Nature Cell Biology, 2010, 12, 533-542.	10.3	864
23	Self-Organized Formation of Polarized Cortical Tissues from ESCs and Its Active Manipulation by ExtrinsicÂSignals. Cell Stem Cell, 2008, 3, 519-532.	11.1	1,216
24	Regulation of Myosin II Dynamics by Phosphorylation and Dephosphorylation of Its Light Chain in Epithelial Cells. Molecular Biology of the Cell, 2007, 18, 605-616.	2.1	136
25	Actomyosin tension is required for correct recruitment of adherens junction components and zonula occludens formation. Experimental Cell Research, 2006, 312, 1637-1650.	2.6	154
26	Apical membrane and junctional complex formation during simple epithelial cell differentiation of F9 cells. Genes To Cells, 2005, 10, 1065-1080.	1.2	20
27	HSF4 is required for normal cell growth and differentiation during mouse lens development. EMBO Journal, 2004, 23, 4297-4306.	7.8	221
28	Structural basis of adhesion-molecule recognition by ERM proteins revealed by the crystal structure of the radixin-ICAM-2 complex. EMBO Journal, 2003, 22, 502-514.	7.8	145
29	Differentiation of embryonic stem cells is induced by GATA factors. Genes and Development, 2002, 16, 784-789.	5.9	460
30	Radixin deficiency causes conjugated hyperbilirubinemia with loss of Mrp2 from bile canalicular membranes. Nature Genetics, 2002, 31, 320-325.	21.4	298
31	Rho-dependent and -independent activation mechanisms of ezrin/radixin/moesin proteins: an essential role for polyphosphoinositides in vivo. Journal of Cell Science, 2002, 115, 2569-80.	2.0	189
32	Clostridium perfringens Enterotoxin Fragment Removes Specific Claudins from Tight Junction Strands. Journal of Cell Biology, 1999, 147, 195-204.	5.2	592
33	Direct Involvement of Ezrin/Radixin/Moesin (ERM)-binding Membrane Proteins in the Organization of Microvilli in Collaboration with Activated ERM Proteins. Journal of Cell Biology, 1999, 145, 1497-1509.	5.2	196
34	Normal Development of Mice and Unimpaired Cell Adhesion/Cell Motility/Actin-based Cytoskeleton without Compensatory Up-regulation of Ezrin or Radixin in Moesin Gene Knockout. Journal of Biological Chemistry, 1999, 274, 2315-2321.	3.4	147
35	Activation of ERM proteins in vivo by Rho involves phosphatidyl-inositol 4-phosphate 5-kinase and not ROCK kinases. Current Biology, 1999, 9, 1259-S3.	3.9	242
36	Differential behavior of E-cadherin and occludin in their colocalization with ZO-1 during the establishment of epithelial cell polarity. , 1999, 179, 115-125.		151

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37	Cortical Actin Organization: Lessons from ERM (Ezrin/Radixin/Moesin) Proteins. Journal of Biological Chemistry, 1999, 274, 34507-34510.	3.4	419
38	Ezrin/Radixin/Moesin (ERM) Proteins Bind to a Positively Charged Amino Acid Cluster in the Juxta-Membrane Cytoplasmic Domain of CD44, CD43, and ICAM-2. Journal of Cell Biology, 1998, 140, 885-895.	5.2	544
39	Rho-Kinase Phosphorylates COOH-terminal Threonines of Ezrin/Radixin/Moesin (ERM) Proteins and Regulates Their Head-to-Tail Association. Journal of Cell Biology, 1998, 140, 647-657.	5.2	788
40	ERM (Ezrin/Radixin/Moesin)-based Molecular Mechanism of Microvillar Breakdown at an Early Stage of Apoptosis. Journal of Cell Biology, 1997, 139, 749-758.	5.2	154
41	ERM proteins: head-to-tail regulation of actin-plasma membrane interaction. Trends in Biochemical Sciences, 1997, 22, 53-58.	7.5	292
42	Molecular linkage between cadherins and actin filaments in cellâ€”cell adherens junctions. Current Opinion in Cell Biology, 1992, 4, 834-839.	5.4	346