Stefano Piccolo

List of Publications by Year
in descending order

103 papers	29,701 citations	22153 59 h-index	32842 100 g-index
108 all docs	108 docs citations	108 times ranked	33254 citing authors

#	Article	IF	Citations
1	Role of YAP/TAZ in mechanotransduction. Nature, 2011, 474, 179-183.	27.8	4,288
2	YAP/TAZ at the Roots of Cancer. Cancer Cell, 2016, 29, 783-803.	16.8	1,409
3	The Biology of YAP/TAZ: Hippo Signaling and Beyond. Physiological Reviews, 2014, 94, 1287-1312.	28.8	1,336
4	A Mechanical Checkpoint Controls Multicellular Growth through YAP/TAZ Regulation by Actin-Processing Factors. Cell, 2013, 154, 1047-1059.	28.9	1,278
5	MicroRNA control of signal transduction. Nature Reviews Molecular Cell Biology, 2010, 11, 252-263.	37.0	1,145
6	The Hippo Transducer TAZ Confers Cancer Stem Cell-Related Traits on Breast Cancer Cells. Cell, 2011, 147, 759-772.	28.9	1,115
7	Dorsoventral Patterning in Xenopus: Inhibition of Ventral Signals by Direct Binding of Chordin to BMP-4. Cell, 1996, 86, 589-598.	28.9	1,032
8	Mechanobiology of YAP and TAZ in physiology and disease. Nature Reviews Molecular Cell Biology, 2017, 18, 758-770.	37.0	879
9	YAP/TAZ Incorporation in the Î²-Catenin Destruction Complex Orchestrates the Wnt Response. Cell, 2014, 158, 157-170.	28.9	873
10	Genome-wide association between YAP/TAZ/TEAD andÂAP-1 at enhancers drives oncogenic growth. Nature Cell Biology, 2015, 17, 1218-1227.	10.3	865
11	Transduction of mechanical and cytoskeletal cues by YAP and TAZ. Nature Reviews Molecular Cell Biology, 2012, 13, 591-600.	37.0	788
12	The head inducer Cerberus is a multifunctional antagonist of Nodal, BMP and Wnt signals. Nature, 1999, 397, 707-710.	27.8	768
13	Mapping Wnt/Î²-catenin signaling during mouse development and in colorectal tumors. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3299-3304.	7.1	730
14	A Mutant-p53/Smad Complex Opposes p63 to Empower TGFÎ²-Induced Metastasis. Cell, 2009, 137, 87-98.	28.9	717
15	Frzb-1 Is a Secreted Antagonist of Wnt Signaling Expressed in the Spemann Organizer. Cell, 1997, 88, 747-756.	28.9	663
16	YAP/TAZ upstream signals and downstream responses. Nature Cell Biology, 2018, 20, 888-899.	10.3	647
17	Metabolic control of YAP and TAZ by the mevalonate pathway. Nature Cell Biology, 2014, 16, 357-366.	10.3	630
18	A MicroRNA Targeting Dicer for Metastasis Control. Cell, 2010, 141, 1195-1207.	28.9	619

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19	YAP/TAZ-Dependent Reprogramming of Colonic Epithelium Links ECM Remodeling to Tissue Regeneration. Cell Stem Cell, 2018, 22, 35-49.e7.	11.1	447
20	FAM/USP9x, a Deubiquitinating Enzyme Essential for TGFÎ² Signaling, Controls Smad4 Monoubiquitination. Cell, 2009, 136, 123-135.	28.9	442
21	Role of TAZ as Mediator of Wnt Signaling. Cell, 2012, 151, 1443-1456.	28.9	419
22	Glycogen Synthase Kinase-3Î² Haploinsufficiency Mimics the Behavioral and Molecular Effects of Lithium. Journal of Neuroscience, 2004, 24, 6791-6798.	3.6	411
23	Cleavage of Chordin by Xolloid Metalloprotease Suggests a Role for Proteolytic Processing in the Regulation of Spemann Organizer Activity. Cell, 1997, 91, 407-416.	28.9	384
24	BMP signaling controls muscle mass. Nature Genetics, 2013, 45, 1309-1318.	21.4	379
25	Links between Tumor Suppressors. Cell, 2003, 113, 301-314.	28.9	361
26	Î²-Catenin is required for endothelial-mesenchymal transformation during heart cushion development in the mouse. Journal of Cell Biology, 2004, 166, 359-367.	5.2	344
27	Wnt/Î²-catenin signaling directs multiple stages of tooth morphogenesis. Developmental Biology, 2008, 313, 210-224.	2.0	340
28	Germ-Layer Specification and Control of Cell Growth by Ectodermin, a Smad4 Ubiquitin Ligase. Cell, 2005, 121, 87-99.	28.9	316
29	Reciprocal Requirements for EDA/EDAR/NF-ÎºB and Wnt/Î²-Catenin Signaling Pathways in Hair Follicle Induction. Developmental Cell, 2009, 17, 49-61.	7.0	310
30	Wnt/Î²-catenin signaling acts upstream of N-myc, BMP4, and FGF signaling to regulate proximalâ€"distal patterning in the lung. Developmental Biology, 2005, 283, 226-239.	2.0	286
31	Emilin1 Links TGF-Î² Maturation to Blood Pressure Homeostasis. Cell, 2006, 124, 929-942.	28.9	274
32	Collagen VI deficiency induces early onset myopathy in the mouse: an animal model for Bethlem myopathy. Human Molecular Genetics, 1998, 7, 2135-2140.	2.9	260
33	YAP and TAZ: a signalling hub of the tumour microenvironment. Nature Reviews Cancer, 2019, 19, 454-464.	28.4	252
34	Transcriptional addiction in cancer cells is mediated by YAP/TAZ through BRD4. Nature Medicine, 2018, 24, 1599-1610.	30.7	228
35	YAP/TAZ link cell mechanics to Notch signalling to control epidermal stem cell fate. Nature Communications, 2017, 8, 15206.	12.8	225
36	The SWI/SNF complex is a mechanoregulated inhibitor of YAP and TAZ. Nature, 2018, 563, 265-269.	27.8	224

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37	SHARP1 suppresses breast cancer metastasis by promoting degradation of hypoxia-inducible factors. Nature, 2012, 487, 380-384.	27.8	213
38	Induction of Expandable Tissue-Specific Stem/Progenitor Cells through Transient Expression of YAP/TAZ. Cell Stem Cell, 2016, 19, 725-737.	11.1	204
39	Integration of TGF-Â and Ras/MAPK Signaling Through p53 Phosphorylation. Science, 2007, 315, 840-843.	12.6	199
40	USP15 is a deubiquitylating enzyme for receptor-activated SMADs. Nature Cell Biology, 2011, 13, 1368-1375.	10.3	182
41	Biomaterials and engineered microenvironments to control YAP/TAZ-dependent cell behaviour. Nature Materials, 2018, 17, 1063-1075.	27.5	181
42	Activation of Î²-catenin signaling programs embryonic epidermis to hair follicle fate. Development (Cambridge), 2008, 135, 2161-2172.	2.5	179
43	MicroRNA control of Nodal signalling. Nature, 2007, 449, 183-188.	27.8	177
44	YAP/TAZ as therapeutic targets in cancer. Current Opinion in Pharmacology, 2016, 29, 26-33.	3.5	174
45	Î²-catenin controls differentiation of the retinal pigment epithelium in the mouse optic cup by regulating Mitf and Otx2 expression. Development (Cambridge), 2009, 136, 2505-2510.	2.5	165
46	The Wnt/Î²-catenin pathway regulates Gli-mediated Myf5expression during somitogenesis. Development (Cambridge), 2006, 133, 3723-3732.	2.5	159
47	Reprogramming normal cells into tumour precursors requires ECM stiffness and oncogene-mediated changes of cell mechanical properties. Nature Materials, 2020, 19, 797-806.	27.5	140
48	Molecular Pathways: YAP and TAZ Take Center Stage in Organ Growth and Tumorigenesis. Clinical Cancer Research, 2013, 19, 4925-4930.	7.0	135
49	Epithelialâ€"mesenchymal transition in malignant mesothelioma. Modern Pathology, 2012, 25, 86-99.	5.5	130
50	Chronic inflammation imposes aberrant cell fate in regenerating epithelia through mechanotransduction. Nature Cell Biology, 2016, 18, 168-180.	10.3	127
51	LifeTime and improving European healthcare through cell-based interceptive medicine. Nature, 2020, 587, 377-386.	27.8	108
52	Targeting triple negative breast cancer: Is p53 the answer?. Cancer Treatment Reviews, 2013, 39, 541-550.	7.7	106
53	Crosstalk between YAP/TAZ and Notch Signaling. Trends in Cell Biology, 2018, 28, 560-573.	7.9	104
54	Mechanical cues control mutant p53 stability through a mevalonateâ€"RhoA axis. Nature Cell Biology, 2018, 20, 28-35.	10.3	104

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55	Cell phenotypic plasticity requires autophagic flux driven by YAP/TAZ mechanotransduction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17848-17857.	7.1	98
56	YAP/TAZ activity in stromal cells prevents ageing by controlling cGASâ€"STING. Nature, 2022, 607, 790-798.	27.8	89
57	Single-cell analyses reveal YAP/TAZ as regulators of stemness and cell plasticity in glioblastoma. Nature Cancer, 2021, 2, 174-188.	13.2	83
58	Negative control of Smad activity by ectodermin/Tif1Î³ patterns the mammalian embryo. Development (Cambridge), 2010, 137, 2571-2578.	2.5	79
59	Convergence of p53 and TGF-beta signaling networks. Cancer Letters, 2004, 213, 129-138.	7.2	66
60	Cooperating preâ€"T-cell receptor and TCF-1â€"dependent signals ensure thymocyte survival. Blood, 2005, 106, 1726-1733.	1.4	61
61	ATR is essential for preservation of cell mechanics and nuclear integrity during interstitial migration. Nature Communications, 2020, 11, 4828.	12.8	60
62	Developmental phenotypes and reduced Wnt signaling in mice deficient forpygopus 2. Genesis, 2007, 45, 318-325.	1.6	54
63	GSK3 Inhibits Macropinocytosis and Lysosomal Activity through the Wnt Destruction Complex Machinery. Cell Reports, 2020, 32, 107973.	6.4	52
64	Disabled Homolog 2 Controls Prometastatic Activity of Tumor-Associated Macrophages. Cancer Discovery, 2020, 10, 1758-1773.	9.4	44
65	Epigenomic landscape of human colorectal cancer unveils an aberrant core of pan-cancer enhancers orchestrated by YAP/TAZ. Nature Communications, 2021, 12, 2340.	12.8	43
66	Identification of New p63 Targets in Human Keratinocytes. Cell Cycle, 2006, 5, 2805-2811.	2.6	41
67	Activation of the Wnt ÂCatenin Pathway in a Cell Population on the Surface of the Forebrain Is Essential for the Establishment of Olfactory Axon Connections. Journal of Neuroscience, 2007, 27, 9757-9768.	3.6	41
68	p53 Regulation Orchestrates the TGF-Î² Response. Cell, 2008, 133, 767-769.	28.9	29
69	Transcriptional Activation of the Î±1(VI) Collagen Gene during Myoblast Differentiation Is Mediated by Multiple GA Boxes. Journal of Biological Chemistry, 1995, 270, 19583-19590.	3.4	27
70	Mechanisms of YAP/TAZ transcriptional control. Cell Stress, 2021, 5, 167-172.	3.2	25
71	Self-regulation of the head-inducing properties of the Spemann organizer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15354-15359.	7.1	24
72	Fat facets deubiquitylation of Medea/Smad4 modulates interpretation of a Dpp morphogen gradient. Development (Cambridge), 2012, 139, 2721-2729.	2.5	22

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73	miRNAs and morphogen gradients. Current Opinion in Cell Biology, 2012, 24, 194-201.	5.4	22
74	Eradicating tumor drug resistance at its <scp>YAP</scp>â€biomechanical roots. EMBO Journal, 2016, 35, 459-461.	7.8	22
75	p63, Sharp1, and HIFs: Master Regulators of Metastasis in Triple-Negative Breast Cancer. Cancer Research, 2013, 73, 4978-4981.	0.9	20
76	Mechanics in the embryo. Nature, 2013, 504, 223-225.	27.8	20
77	Single cell-derived spheroids capture the self-renewing subpopulations of metastatic ovarian cancer. Cell Death and Differentiation, 2022, 29, 614-626.	11.2	20
78	A YAP/TAZ-TEAD signalling module links endothelial nutrient acquisition to angiogenic growth. Nature Metabolism, 2022, 4, 672-682.	11.9	20
79	Murine Î±1(VI) Collagen Chain. Complete Amino Acid Sequence and Identification of the Gene Promoter Region. Matrix Biology, 1993, 13, 223-233.	1.7	17
80	Cell Type-specific Transcription of the Î±1(VI) Collagen Gene. Journal of Biological Chemistry, 1999, 274, 1759-1766.	3.4	15
81	Tissue-Specific Expression of Promoter Regions of the alphar1(VI) Collagen Gene in Cell Cultures and Transgenic Mice. FEBS Journal, 1997, 247, 200-208.	0.2	13
82	The apical ectodermal ridge of the mouse model of ectrodactylyDlx5;Dlx6â^'/â^'shows altered stratification and cell polarity, which are restored by exogenous Wnt5a ligand. Human Molecular Genetics, 2016, 25, 740-754.	2.9	13
83	LIF-ting Hippo averts metastasis. Nature Medicine, 2012, 18, 1463-1465.	30.7	12
84	Monitoring Smad Activity In Vivo Using the Xenopus Model System. Methods in Molecular Biology, 2016, 1344, 245-259.	0.9	12
85	Mechanosignaling in vertebrate development. Developmental Biology, 2022, 488, 54-67.	2.0	12
86	Redox status in a model of cancer stem cells. Archives of Biochemistry and Biophysics, 2017, 617, 120-128.	3.0	10
87	Unilateral rosacea in patients with facial nerve palsy: A mere example of immunocompromised district. Journal of Dermatology, 2013, 40, 850-850.	1.2	9
88	Simple yet effective methods to probe hydrogel stiffness for mechanobiology. Scientific Reports, 2021, 11, 22668.	3.3	9
89	Embracing mechanical forces in cell biology. Differentiation, 2013, 86, 75-76.	1.9	7
90	Lâ€™inducteur cÃ©phalique Cerberus est un inhibiteur multivalent extracellulaire. SociÃ©tÃ© De Biologie Journal, 1999, 193, 347-354.	0.3	4

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91	Broadly Applicable Hydrogel Fabrication Procedures Guided by Yap/Tazâ€Activity Reveal Stiffness, Adhesiveness and Nuclear Projected Area as Checkpoints for Mechanosensing. Advanced Healthcare Materials, 2021, , 2102276.	7.6	4
92	Twists of Fate. Scientific American, 2014, 311, 74-81.	1.0	3
93	A TIAM Double Hit to Oppose YAP/TAZ. Cancer Cell, 2017, 31, 607-608.	16.8	3
94	Linking cancer transcriptional addictions by CDK7 to YAP/TAZ. Genes and Development, 2020, 34, 4-6.	5.9	3
95	Yoshiki Sasai: stem cell Sensei. Development (Cambridge), 2014, 141, 3613-3614.	2.5	2
96	De Novo Generation of Somatic Stem Cells by YAP/TAZ. Journal of Visualized Experiments, 2018, , .	0.3	2
97	Phosphatidic Acid Enters into the YAP/TAZ Arena. Trends in Molecular Medicine, 2019, 25, 5-7.	6.7	2
98	Identification of a recognition element for CAAT-enhancer binding proteins (C/EBPs) in the elastin promoter. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1264, 40-44.	2.4	1
99	Regulation of YAP and TAZ by Epithelial Plasticity. , 2013, , 89-113.		1
100	Fearlessly tackling the organizer. Nature Reviews Molecular Cell Biology, 2011, 12, 282-282.	37.0	0
101	Editorial overview: Cell cycle, differentiation and disease. Current Opinion in Cell Biology, 2014, 31, v-vi.	5.4	0
102	Ever developing TGF-Î². Seminars in Cell and Developmental Biology, 2014, 32, 71-72.	5.0	0
103	Size in development. Development Growth and Differentiation, 2017, 59, 3-3.	1.5	0