

Guy Tanentzapf

List of Publications by Year in descending order

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44
papers

3,150
citations

257101

24
h-index

264894

42
g-index

48
all docs

48
docs citations

48
times ranked

3243
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelial Cell Polarity and Cell Junctions in <i>Drosophila</i> . <i>Annual Review of Genetics</i> , 2001, 35, 747-784.	3.2	502
2	Crumbs, the <i>Drosophila</i> homologue of human CRB1/RP12, is essential for photoreceptor morphogenesis. <i>Nature</i> , 2002, 416, 143-149.	13.7	397
3	Interactions between the crumbs, lethal giant larvae and bazooka pathways in epithelial polarization. <i>Nature Cell Biology</i> , 2003, 5, 46-52.	4.6	333
4	Epithelial rotation promotes the global alignment of contractile actin bundles during <i>Drosophila</i> egg chamber elongation. <i>Nature Communications</i> , 2014, 5, 5511.	5.8	199
5	Integrin-dependent anchoring of a stem-cell niche. <i>Nature Cell Biology</i> , 2007, 9, 1413-1418.	4.6	196
6	Apical, Lateral, and Basal Polarization Cues Contribute to the Development of the Follicular Epithelium during <i>Drosophila</i> Oogenesis. <i>Journal of Cell Biology</i> , 2000, 151, 891-904.	2.3	187
7	An interaction between integrin and the talin FERM domain mediates integrin activation but not linkage to the cytoskeleton. <i>Nature Cell Biology</i> , 2006, 8, 601-606.	4.6	112
8	Integrin-mediated adhesion and stem-cell-niche interactions. <i>Cell and Tissue Research</i> , 2010, 339, 121-130.	1.5	107
9	Mechanical force regulates integrin turnover in <i>Drosophila</i> in vivo. <i>Nature Cell Biology</i> , 2012, 14, 935-943.	4.6	85
10	A New Family of <i>Drosophila</i> Balancer Chromosomes With a ω^{y} dfd-GMR Yellow Fluorescent Protein Marker. <i>Genetics</i> , 2006, 174, 2255-2257.	1.2	80
11	Integrin-independent repression of cadherin transcription by talin during axis formation in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2005, 7, 510-516.	4.6	66
12	Phosphoinositide Regulation of Integrin Trafficking Required for Muscle Attachment and Maintenance. <i>PLoS Genetics</i> , 2011, 7, e1001295.	1.5	66
13	Analysis of integrin turnover in fly myotendinous junctions. <i>Journal of Cell Science</i> , 2010, 123, 939-946.	1.2	57
14	Multiple factors contribute to integrin-talin interactions in vivo. <i>Journal of Cell Science</i> , 2006, 119, 1632-1644.	1.2	56
15	A somatic permeability barrier around the germline is essential for <i>Drosophila</i> spermatogenesis. <i>Development (Cambridge)</i> , 2015, 142, 268-81.	1.2	55
16	Basal Cell-Extracellular Matrix Adhesion Regulates Force Transmission during Tissue Morphogenesis. <i>Developmental Cell</i> , 2016, 39, 611-625.	3.1	52
17	Cell-cell and cell-extracellular matrix adhesions cooperate to organize actomyosin networks and maintain force transmission during dorsal closure. <i>Molecular Biology of the Cell</i> , 2017, 28, 1301-1310.	0.9	47
18	Talin Autoinhibition Is Required for Morphogenesis. <i>Current Biology</i> , 2013, 23, 1825-1833.	1.8	43

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19	Integrin-mediated adhesion maintains sarcomeric integrity. <i>Developmental Biology</i> , 2010, 338, 15-27.	0.9	41
20	Bi-directional gap junction-mediated Soma-Germline communication is essential for spermatogenesis. <i>Development (Cambridge)</i> , 2015, 142, 2598-609.	1.2	37
21	Talin Autoinhibition Regulates Cell-ECM Adhesion Dynamics and Wound Healing In Vivo. <i>Cell Reports</i> , 2018, 25, 2401-2416.e5.	2.9	34
22	Dynamic protein hydrogels with reversibly tunable stiffness regulate human lung fibroblast spreading reversibly. <i>Chemical Communications</i> , 2019, 55, 5235-5238.	2.2	33
23	Modulation of occluding junctions alters the hematopoietic niche to trigger immune activation. <i>ELife</i> , 2017, 6, .	2.8	31
24	In vivo functional analysis reveals specific roles for the integrin-binding sites of talin. <i>Journal of Cell Science</i> , 2011, 124, 1844-1856.	1.2	28
25	Direct binding of Talin to Rap1 is required for cell-ECM adhesion in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2018, 131, .	1.2	28
26	The Talin Head Domain Reinforces Integrin-Mediated Adhesion by Promoting Adhesion Complex Stability and Clustering. <i>PLoS Genetics</i> , 2014, 10, e1004756.	1.5	27
27	Identification of genetic networks that act in the somatic cells of the testis to mediate the developmental program of spermatogenesis. <i>PLoS Genetics</i> , 2017, 13, e1007026.	1.5	27
28	Integrins Modulate Extracellular Matrix Organization to Control Cell Signaling during Hematopoiesis. <i>Current Biology</i> , 2020, 30, 3316-3329.e5.	1.8	25
29	In vivo quantitative analysis of Talin turnover in response to force. <i>Molecular Biology of the Cell</i> , 2015, 26, 4149-4162.	0.9	21
30	Occluding Junctions Maintain Stem Cell Niche Homeostasis in the Fly Testes. <i>Current Biology</i> , 2016, 26, 2492-2499.	1.8	21
31	Distinct developmental roles for direct and indirect talin-mediated linkage to actin. <i>Developmental Biology</i> , 2010, 345, 64-77.	0.9	20
32	An Ongoing Role for Structural Sarcomeric Components in Maintaining <i>Drosophila melanogaster</i> Muscle Function and Structure. <i>PLoS ONE</i> , 2014, 9, e99362.	1.1	19
33	A gap-junction-mediated, calcium-signaling network controls blood progenitor fate decisions in hematopoiesis. <i>Current Biology</i> , 2021, 31, 4697-4712.e6.	1.8	18
34	Zasp regulates integrin activation. <i>Journal of Cell Science</i> , 2012, 125, 5647-57.	1.2	17
35	Septate junction components control <i>Drosophila</i> hematopoiesis through the Hippo pathway. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	16
36	Distinct regulatory mechanisms control integrin adhesive processes during tissue morphogenesis. <i>Developmental Dynamics</i> , 2011, 240, 36-51.	0.8	14

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37	<i>In vivo</i> regulation of integrin turnover by outside-in activation. <i>Journal of Cell Science</i> , 2016, 129, 2912-24.	1.2	13
38	Precise coordination of cell-ECM adhesion is essential for efficient melanoblast migration during development. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	11
39	A cargo model of yolk syncytial nuclear migration during zebrafish epiboly. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	10
40	The systematic identification of cytoskeletal genes required for <i>Drosophila melanogaster</i> muscle maintenance. <i>Scientific Data</i> , 2014, 1, 140002.	2.4	7
41	Crystal Structure of the Talin Integrin Binding Domain 2. <i>Journal of Molecular Biology</i> , 2009, 387, 787-793.	2.0	6
42	Crosstalk with keratinocytes causes GNAQ oncogene specificity in melanoma. <i>ELife</i> , 2021, 10, .	2.8	5
43	Bi-directional gap junction-mediated soma-germline communication is essential for spermatogenesis. <i>Journal of Cell Science</i> , 2015, 128, e1.1-e1.1.	1.2	0
44	<i>In vivo</i> regulation of integrin turnover by outside-in activation. <i>Development (Cambridge)</i> , 2016, 143, e1.1-e1.1.	1.2	0