

Barry M Gumbiner

List of Publications by Year in descending order

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papers

10,031
citations

304743

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454955

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docs citations

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times ranked

11622
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Adhesion: The Molecular Basis of Tissue Architecture and Morphogenesis. <i>Cell</i> , 1996, 84, 345-357.	28.9	3,185
2	Regulation of cadherin-mediated adhesion in morphogenesis. <i>Nature Reviews Molecular Cell Biology</i> , 2005, 6, 622-634.	37.0	1,342
3	C-Cadherin Ectodomain Structure and Implications for Cell Adhesion Mechanisms. <i>Science</i> , 2002, 296, 1308-1313.	12.6	616
4	E-cadherin mediates contact inhibition of proliferation through Hippo signaling-pathway components. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11930-11935.	7.1	576
5	E-Cadherin Suppresses Cellular Transformation by Inhibiting β -Catenin Signaling in an Adhesion-Independent Manner. <i>Journal of Cell Biology</i> , 2001, 153, 1049-1060.	5.2	511
6	A single amino acid in E-cadherin responsible for host specificity towards the human pathogen <i>Listeria monocytogenes</i> . <i>EMBO Journal</i> , 1999, 18, 3956-3963.	7.8	442
7	Cadherin Engagement Regulates Rho family GTPases. <i>Journal of Biological Chemistry</i> , 2001, 276, 33305-33308.	3.4	383
8	E-cadherin in contact inhibition and cancer. <i>Oncogene</i> , 2018, 37, 4769-4780.	5.9	335
9	Lateral clustering of the adhesive ectodomain: a fundamental determinant of cadherin function. <i>Current Biology</i> , 1997, 7, 308-315.	3.9	333
10	Adhesion to fibronectin regulates Hippo signaling via the FAK-Src-PI3K pathway. <i>Journal of Cell Biology</i> , 2015, 210, 503-515.	5.2	333
11	Regulation of Hippo pathway by mitogenic growth factors via phosphoinositide 3-kinase and phosphoinositide-dependent kinase-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2569-2574.	7.1	290
12	The Hippo-YAP signaling pathway and contact inhibition of growth. <i>Journal of Cell Science</i> , 2014, 127, 709-717.	2.0	279
13	Roles for E-cadherin cell surface regulation in cancer. <i>Molecular Biology of the Cell</i> , 2016, 27, 3233-3244.	2.1	206
14	The functional activity of E-cadherin controls tumor cell metastasis at multiple steps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5931-5937.	7.1	203
15	Multiple cadherin extracellular repeats mediate homophilic binding and adhesion. <i>Journal of Cell Biology</i> , 2001, 154, 231-243.	5.2	202
16	Cell Contact-Dependent Signaling. <i>Developmental Biology</i> , 1996, 180, 445-454.	2.0	200
17	E-Cadherin Homophilic Ligation Inhibits Cell Growth and Epidermal Growth Factor Receptor Signaling Independently of Other Cell Interactions. <i>Molecular Biology of the Cell</i> , 2007, 18, 2013-2025.	2.1	193
18	Analysis of C-cadherin Regulation during Tissue Morphogenesis with an Activating Antibody. <i>Journal of Cell Biology</i> , 1999, 144, 351-359.	5.2	104

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19	Conformational epitopes at cadherin calcium-binding sites and p120-catenin phosphorylation regulate cell adhesion. <i>Molecular Biology of the Cell</i> , 2012, 23, 2092-2108.	2.1	67
20	Cell contact and Nf2/Merlin-dependent regulation of TEAD palmitoylation and activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9877-9882.	7.1	59
21	Propagation and localization of Wnt signaling. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 430-435.	3.3	53
22	Allosteric Regulation of E-Cadherin Adhesion. <i>Journal of Biological Chemistry</i> , 2015, 290, 21749-21761.	3.4	41
23	Microtubules Inhibit E-Cadherin Adhesive Activity by Maintaining Phosphorylated p120-Catenin in a Colon Carcinoma Cell Model. <i>PLoS ONE</i> , 2016, 11, e0148574.	2.5	20
24	E-cadherin activating antibodies limit barrier dysfunction and inflammation in mouse inflammatory bowel disease. <i>Tissue Barriers</i> , 2021, 9, 1940741.	3.2	15
25	Deregulation of the Hippo pathway in mouse mammary stem cells promotes mammary tumorigenesis. <i>Mammalian Genome</i> , 2016, 27, 556-564.	2.2	14
26	p120-catenin phosphorylation status alters E-cadherin mediated cell adhesion and ability of tumor cells to metastasize. <i>PLoS ONE</i> , 2020, 15, e0235337.	2.5	10
27	Coordinate Gene Regulation by Two Different Catenins. <i>Developmental Cell</i> , 2005, 8, 795-796.	7.0	7
28	Reconstitution of the full transmembrane cadherin-catenin complex. <i>Protein Expression and Purification</i> , 2022, 193, 106056.	1.3	5
29	Enhanced endothelial barrier function by monoclonal antibody activation of vascular endothelial cadherin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1403-H1410.	3.2	4
30	Cadherin-6B is required for the generation of Islet-1-expressing dorsal interneurons. <i>Biochemical and Biophysical Research Communications</i> , 2015, 459, 504-508.	2.1	1