Terry Lechler

List of Publications by Year
in descending order

50 papers	3,806 citations	159585 30 h-index	197818 49 g-index
59 all docs	59 docs citations	59 times ranked	4592 citing authors

#	Article	IF	Citations
1	Hair follicle stem cells feel the pressure. Cell Stem Cell, 2022, 29, 1-2.	11.1	8
2	Differentiated Daughter Cells Regulate Stem Cell Proliferation and Fate through Intra-tissue Tension. Cell Stem Cell, 2021, 28, 436-452.e5.	11.1	40
3	Roles for microtubules in the proliferative and differentiated cells of stratified epithelia. Current Opinion in Cell Biology, 2021, 68, 98-104.	5.4	7
4	Spindle positioning and its impact on vertebrate tissue architecture and cell fate. Nature Reviews Molecular Cell Biology, 2021, 22, 691-708.	37.0	58
5	KIF18B is a cell typeâ€“specific regulator of spindle orientation in the epidermis. Molecular Biology of the Cell, 2021, 32, ar29.	2.1	4
6	Roles for Ndel1 in keratin organization and desmosome function. Molecular Biology of the Cell, 2021, 32, ar2.	2.1	5
7	RYK-mediated filopodial pathfinding facilitates midgut elongation. Development (Cambridge), 2020, 147, .	2.5	4
8	Proteomic analysis of desmosomes reveals novel components required for epidermal integrity. Molecular Biology of the Cell, 2020, 31, 1140-1153.	2.1	18
9	Epidermal structure and differentiation. Current Biology, 2020, 30, R144-R149.	3.9	26
10	Lysosome-Rich Enterocytes Mediate Protein Absorption in the Vertebrate Gut. Developmental Cell, 2019, 51, 7-20.e6.	7.0	74
11	Regulated spindle orientation buffers tissue growth in the epidermis. ELife, 2019, 8, .	6.0	20
12	Morphogenesis and Compartmentalization of the Intestinal Crypt. Developmental Cell, 2018, 45, 183-197.e5.	7.0	111
13	Genetically induced microtubule disruption in the mouse intestine impairs intracellular organization and transport. Molecular Biology of the Cell, 2018, 29, 1533-1541.	2.1	15
14	Cellular Dynamics Driving Elongation of the Gut. Developmental Cell, 2018, 46, 127-128.	7.0	2
15	Editorial overview: Cell architecture: Mechanisms and scales of cellular organization and decision making. Current Opinion in Cell Biology, 2017, 44, iv-v.	5.4	0
16	Microtubule organization, dynamics and functions in differentiated cells. Development (Cambridge), 2017, 144, 3012-3021.	2.5	170
17	A transgenic toolkit for visualizing and perturbing microtubules reveals unexpected functions in the epidermis. ELife, 2017, 6, .	6.0	29
18	NuMA-microtubule interactions are critical for spindle orientation and the morphogenesis of diverse epidermal structures. ELife, 2016, 5, .	6.0	77

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19	FRA1 promotes squamous cell carcinoma growth and metastasis through distinct AKT and c-Jun dependent mechanisms. Oncotarget, 2016, 7, 34371-34383.	1.8	37
20	Divergent regulation of functionally distinct Î³-tubulin complexes during differentiation. Journal of Cell Biology, 2016, 213, 679-692.	5.2	74
21	The Arp2/3 complex has essential roles in vesicle trafficking and transcytosis in the mammalian small intestine. Molecular Biology of the Cell, 2015, 26, 1995-2004.	2.1	53
22	Studying cell biology in the skin. Molecular Biology of the Cell, 2015, 26, 4183-4186.	2.1	3
23	Cell Adhesion in Epidermal Development and Barrier Formation. Current Topics in Developmental Biology, 2015, 112, 383-414.	2.2	76
24	Cell-Cell Adhesions and Cell Contractility Are Upregulated upon Desmosome Disruption. PLoS ONE, 2014, 9, e101824.	2.5	23
25	Developmental stratification of the mammary epithelium occurs through symmetry-breaking vertical divisions of apically positioned luminal cells. Development (Cambridge), 2014, 141, 1085-1094.	2.5	48
26	Arp2/3 complex function in the epidermis. Tissue Barriers, 2014, 2, e944445.	3.2	6
27	Actin-related protein2/3 complex regulates tight junctions and terminal differentiation to promote epidermal barrier formation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3820-9.	7.1	65
28	NuMA localization, stability, and function in spindle orientation involve 4.1 and Cdk1 interactions. Molecular Biology of the Cell, 2013, 24, 3651-3662.	2.1	76
29	Î²-Catenin protects the epidermis from mechanical stresses. Journal of Cell Biology, 2013, 202, 45-52.	5.2	42
30	FRAP Analysis Reveals Stabilization of Adhesion Structures in the Epidermis Compared to Cultured Keratinocytes. PLoS ONE, 2013, 8, e71491.	2.5	28
31	Desmoplakin controls microvilli length but not cell adhesion or keratin organization in the intestinal epithelium. Molecular Biology of the Cell, 2012, 23, 792-799.	2.1	47
32	Noncentrosomal microtubules and type II myosins potentiate epidermal cell adhesion and barrier formation. Journal of Cell Biology, 2012, 199, 513-525.	5.2	58
33	Asymmetric Cell Divisions in the Epidermis. International Review of Cell and Molecular Biology, 2012, 295, 199-232.	3.2	42
34	Adherens Junctions and Stem Cells. Sub-Cellular Biochemistry, 2012, 60, 359-377.	2.4	10
35	Polarity and stratification of the epidermis. Seminars in Cell and Developmental Biology, 2012, 23, 890-896.	5.0	48
36	Control of cortical microtubule organization and desmosome stability by centrosomal proteins. Bioarchitecture, 2011, 1, 221-224.	1.5	16

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37	Lis1 is essential for cortical microtubule organization and desmosome stability in the epidermis. Journal of Cell Biology, 2011, 194, 631-642.	5.2	73
38	Robust control of mitotic spindle orientation in the developing epidermis. Journal of Cell Biology, 2010, 191, 915-922.	5.2	147
39	Dissecting cell adhesion cross-talk with micropatterns. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13199-13200.	7.1	3
40	Limiting lumens: a new role for Cdc42. Journal of Cell Biology, 2008, 183, 575-577.	5.2	1
41	Desmoplakin: an unexpected regulator of microtubule organization in the epidermis. Journal of Cell Biology, 2007, 176, 147-154.	5.2	173
42	Asymmetric cell divisions promote stratification and differentiation of mammalian skin. Nature, 2005, 437, 275-280.	27.8	889
43	Conditional targeting of E-cadherin in skin: Insights into hyperproliferative and degenerative responses. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 552-557.	7.1	171
44	Coordinating cytoskeletal tracks to polarize cellular movements. Journal of Cell Biology, 2004, 167, 203-207.	5.2	75
45	Saccharomyces cerevisiae Bzz1p Is Implicated with Type I Myosins in Actin Patch Polarization and Is Able To Recruit Actin-Polymerizing Machinery In Vitro. Molecular and Cellular Biology, 2002, 22, 7889-7906.	2.3	91
46	A two-tiered mechanism by which Cdc42 controls the localization and activation of an Arp2/3-activating motor complex in yeast. Journal of Cell Biology, 2001, 155, 261-270.	5.2	111
47	Direct Involvement of Yeast Type I Myosins in Cdc42-Dependent Actin Polymerization. Journal of Cell Biology, 2000, 148, 363-374.	5.2	207
48	Activation of the yeast Arp2/3 complex by Bee1p, a WASP-family protein. Current Biology, 1999, 9, 501-505.	3.9	217
49	In Vitro Reconstitution of Cortical Actin Assembly Sites in Budding Yeast. Journal of Cell Biology, 1997, 138, 95-103.	5.2	58
50	(Aryloxy)aryl Semicarbazones and Related Compounds:Â A Novel Class of Anticonvulsant Agents Possessing High Activity in the Maximal Electroshock Screen. Journal of Medicinal Chemistry, 1996, 39, 3984-3997.	6.4	167