Charles H Streuli

List of Publications by Year
in descending order

42 papers	3,913 citations	172207 29 h-index	276539 41 g-index
43 all docs	43 docs citations	43 times ranked	6099 citing authors

#	Article	IF	Citations
1	Vinculin controls focal adhesion formation by direct interactions with talin and actin. Journal of Cell Biology, 2007, 179, 1043-1057.	2.3	778
2	Signal co-operation between integrins and other receptor systems. Biochemical Journal, 2009, 418, 491-506.	1.7	273
3	Signalling pathways linking integrins with cell cycle progression. Matrix Biology, 2014, 34, 144-153.	1.5	226
4	Ablation of Î²1 integrin in mammary epithelium reveals a key role for integrin in glandular morphogenesis and differentiation. Journal of Cell Biology, 2005, 171, 717-728.	2.3	215
5	An integrinâ€“ILKâ€“microtubule network orients cell polarity and lumen formation in glandular epithelium. Nature Cell Biology, 2013, 15, 17-27.	4.6	211
6	Integrins and cell-fate determination. Journal of Cell Science, 2009, 122, 171-177.	1.2	187
7	Î²1 integrins regulate mammary gland proliferation and maintain the integrity of mammary alveoli. EMBO Journal, 2005, 24, 1942-1953.	3.5	162
8	PAK proteins and YAP-1 signalling downstream of integrin beta-1 in myofibroblasts promote liver fibrosis. Nature Communications, 2016, 7, 12502.	5.8	162
9	Cell-Matrix Interactions in Mammary Gland Development and Breast Cancer. Cold Spring Harbor Perspectives in Biology, 2010, 2, a003202-a003202.	2.3	143
10	Laminin and Î²1 Integrins Are Crucial for Normal Mammary Gland Development in the Mouse. Developmental Biology, 1999, 215, 13-32.	0.9	130
11	Integrins and epithelial cell polarity. Journal of Cell Science, 2014, 127, 3217-25.	1.2	105
12	Rac1 links integrin-mediated adhesion to the control of lactational differentiation in mammary epithelia. Journal of Cell Biology, 2006, 173, 781-793.	2.3	100
13	Circadian clocks and breast cancer. Breast Cancer Research, 2016, 18, 89.	2.2	98
14	Increased peri-ductal collagen micro-organization may contribute to raised mammographic density. Breast Cancer Research, 2016, 18, 5.	2.2	98
15	The C terminus of talin links integrins to cell cycle progression. Journal of Cell Biology, 2011, 195, 499-513.	2.3	89
16	Cellular mechano-environment regulates the mammary circadian clock. Nature Communications, 2017, 8, 14287.	5.8	81
17	Cell-matrix interactions during development and apoptosis of the mouse mammary gland in vivo. Developmental Dynamics, 2002, 223, 497-516.	0.8	76
18	Epithelial Development and Differentiation in the Mammary Gland Is Not Dependent on Î±3 or Î±6 Integrin Subunits. Developmental Biology, 2001, 233, 449-467.	0.9	67

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19	FGF ligands of the postnatal mammary stroma regulate distinct aspects of epithelial morphogenesis. Development (Cambridge), 2014, 141, 3352-3362.	1.2	67
20	Molecular dissection of integrin signalling proteins in the control of mammary epithelial development and differentiation. Development (Cambridge), 2009, 136, 1019-1027.	1.2	64
21	Raised mammographic density: causative mechanisms and biological consequences. Breast Cancer Research, 2016, 18, 45.	2.2	63
22	How integrins control breast biology. Current Opinion in Cell Biology, 2013, 25, 633-641.	2.6	53
23	SPRY1 regulates mammary epithelial morphogenesis by modulating EGFR-dependent stromal paracrine signaling and ECM remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5731-40.	3.3	41
24	Integrins as architects of cell behavior. Molecular Biology of the Cell, 2016, 27, 2885-2888.	0.9	39
25	Rac1 Controls Both the Secretory Function of the Mammary Gland and Its Remodeling for Successive Gestations. Developmental Cell, 2016, 38, 522-535.	3.1	39
26	Integrin Î±4Î²1 controls G9a activity that regulates epigenetic changes and nuclear properties required for lymphocyte migration. Nucleic Acids Research, 2016, 44, 3031-3044.	6.5	39
27	Epithelial and stromal circadian clocks are inversely regulated by their mechano-matrix environment. Journal of Cell Science, 2018, 131, .	1.2	39
28	Specific Î²-containing Integrins Exert Differential Control on Proliferation and Two-dimensional Collective Cell Migration in Mammary Epithelial Cells. Journal of Biological Chemistry, 2012, 287, 24103-24112.	1.6	35
29	Phosphorylation of the Proapoptotic BH3-Only Protein Bid Primes Mitochondria for Apoptosis during Mitotic Arrest. Cell Reports, 2014, 7, 661-671.	2.9	34
30	Influence of the extracellular matrix on cell-intrinsic circadian clocks. Journal of Cell Science, 2019, 132, .	1.2	30
31	Inhibitor of Apoptosis Proteins: Promising Targets for Cancer Therapy. Journal of Carcinogenesis & Mutagenesis, 2013, S14, .	0.3	23
32	Cellular microenvironment controls the nuclear architecture of breast epithelia through Î²1-integrin. Cell Cycle, 2016, 15, 345-356.	1.3	23
33	The MEF2-HDAC axis controls proliferation of mammary epithelial cells and acini formation in vitro. Journal of Cell Science, 2015, 128, 3961-76.	1.2	22
34	Disrupted circadian clocks and altered tissue mechanics in primary human breast tumours. Breast Cancer Research, 2018, 20, 125.	2.2	21
35	Oncogenic activation of FAK drives apoptosis suppression in a 3D-culture model of breast cancer initiation. Oncotarget, 2016, 7, 70336-70352.	0.8	20
36	Integrin-Rac signalling for mammary epithelial stem cell self-renewal. Breast Cancer Research, 2018, 20, 128.	2.2	16

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37	The Integrinâ€Mediated ILKâ€Parvinâ€Î±Pix Signaling Axis Controls Differentiation in Mammary Epithelial Cells. Journal of Cellular Physiology, 2016, 231, 2408-2417.	2.0	14
38	Extracellular matrix promotes clathrin-dependent endocytosis of prolactin and STAT5 activation in differentiating mammary epithelial cells. Scientific Reports, 2017, 7, 4572.	1.6	14
39	The requirement of integrins for breast epithelial proliferation. European Journal of Cell Biology, 2017, 96, 227-239.	1.6	6
40	Elevated EDAR signalling promotes mammary gland tumourigenesis with squamous metaplasia. Oncogene, 2022, 41, 1040-1049.	2.6	6
41	A Role for Î²3-Integrins in Linking Breast Development and Cancer. Developmental Cell, 2014, 30, 251-252.	3.1	1
42	Life and the matrix. Development (Cambridge), 2012, 139, 4498-4499.	1.2	0