Carien M Niessen

List of Publications by Year
in descending order

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42	3,513	304743	302126
papers	citations	22 h-index	39 g-index

45	45	45	5218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tight Junctions/Adherens Junctions: Basic Structure and Function. Journal of Investigative Dermatology, 2007, 127, 2525-2532.	0.7	554
2	Epithelial detachment due to absence of hemidesmosomes in integrin Î²4 null mice. Nature Genetics, 1996, 13, 366-369.	21.4	386
3	Mechanical regulation of transcription controls Polycomb-mediated gene silencing during lineageÂcommitment. Nature Cell Biology, 2016, 18, 864-875.	10.3	364
4	Tissue Organization by Cadherin Adhesion Molecules: Dynamic Molecular and Cellular Mechanisms of Morphogenetic Regulation. Physiological Reviews, 2011, 91, 691-731.	28.8	349
5	Heterochromatin-Driven Nuclear Softening Protects the Genome against Mechanical Stress-Induced Damage. Cell, 2020, 181, 800-817.e22.	28.9	341
6	Molecular components of the adherens junction. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 562-571.	2.6	226
7	Adhesion forces and cortical tension couple cell proliferation and differentiation to drive epidermal stratification. Nature Cell Biology, 2018, 20, 69-80.	10.3	207
8	E-cadherin integrates mechanotransduction and EGFR signaling to control junctional tissue polarization and tight junction positioning. Nature Communications, 2017, 8, 1250.	12.8	147
9	Adherens Junctions and Desmosomes Coordinate Mechanics and Signaling to Orchestrate Tissue Morphogenesis and Function: An Evolutionary Perspective. Cold Spring Harbor Perspectives in Biology, 2018, 10, a029207.	5.5	102
10	aPKCÎ» controls epidermal homeostasis and stem cell fate through regulation of division orientation. Journal of Cell Biology, 2013, 202, 887-900.	5.2	86
11	Cadherin-dependent differential cell adhesion in Xenopus causes cell sorting in vitro, but not in the embryo. Journal of Cell Science, 2012, 125, 1877-83.	2.0	75
12	Cell adhesion and mechanics as drivers of tissue organization and differentiation: local cues for large scale organization. Current Opinion in Cell Biology, 2018, 54, 89-97.	5.4	72
13	E-cadherin binds to desmoglein to facilitate desmosome assembly. ELife, 2018, 7, .	6.0	67
14	Mammalian aPKC/Par polarity complex mediated regulation of epithelial division orientation and cell fate. Experimental Cell Research, 2014, 328, 296-302.	2.6	44
15	Tropism-modified AAV Vectors Overcome Barriers to Successful Cutaneous Therapy. Molecular Therapy, 2014, 22, 929-939.	8.2	41
16	Ceramide Synthase 4 Regulates Stem Cell Homeostasis and Hair Follicle Cycling. Journal of Investigative Dermatology, 2015, 135, 1501-1509.	0.7	40
17	Small-scale demixing in confluent biological tissues. Soft Matter, 2020, 16, 3325-3337.	2.7	34
18	Tracing the Evolutionary Origin of Desmosomes. Current Biology, 2020, 30, R535-R543.	3.9	33

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19	Epidermal Polarity Genes in Health and Disease. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a015255-a015255.	6.2	30
20	Transition of responsive mechanosensitive elements from focal adhesions to adherens junctions on epithelial differentiation. Molecular Biology of the Cell, 2018, 29, 2317-2325.	2.1	29
21	Growth Retardation, Loss of Desmosomal Adhesion, and Impaired Tight Junction Function Identify a Unique Role of Plakophilin 1 InÂVivo. Journal of Investigative Dermatology, 2016, 136, 1471-1478.	0.7	28
22	Imbalance of Mitochondrial Respiratory Chain Complexes in the Epidermis Induces Severe Skin Inflammation. Journal of Investigative Dermatology, 2018, 138, 132-140.	0.7	28
23	Maintaining proteostasis under mechanical stress. EMBO Reports, 2021, 22, e52507.	4.5	28
24	Epithelial Barriers in Murine Skin during Herpes Simplex Virus 1 Infection: The Role of Tight Junction Formation. Journal of Investigative Dermatology, 2017, 137, 884-893.	0.7	24
25	Mechanochemical control of epidermal stem cell divisions by B-plexins. Nature Communications, 2021, 12, 1308.	12.8	24
26	Myeloid Cellâ€“Restricted Insulin/IGF-1 Receptor Deficiency Protects against Skin Inflammation. Journal of Immunology, 2015, 195, 5296-5308.	0.8	20
27	Shared and independent functions of aPKCÎ» and Par3 in skin tumorigenesis. Oncogene, 2018, 37, 5136-5146.	5.9	18
28	Hepatitis B virus promotes Î²-catenin-signalling and disassembly of adherens junctions in a Src kinase dependent fashion. Oncotarget, 2018, 9, 33947-33960.	1.8	15
29	Epithelial polarity limits EMT. Nature Cell Biology, 2019, 21, 299-300.	10.3	13
30	Identification of Host Trafficking Genes Required for HIV-1 Virological Synapse Formation in Dendritic Cells. Journal of Virology, 2020, 94, .	3.4	13
31	Regulation of Cell Polarity and Tissue Architecture in Epidermal Aging and Cancer. Journal of Investigative Dermatology, 2021, 141, 1017-1023.	0.7	13
32	Murine Epidermal Ceramide Synthase 4 Is a Key Regulator of Skin Barrier Homeostasis. Journal of Investigative Dermatology, 2020, 140, 1927-1937.e5.	0.7	11
33	Laminin 332 Is Indispensable for Homeostatic Epidermal Differentiation Programs. Journal of Investigative Dermatology, 2021, 141, 2602-2610.e3.	0.7	11
34	Another Job for the Talented p120-Catenin. Cell, 2006, 127, 875-877.	28.9	10
35	Par3A is dispensable for the function of the glomerular filtration barrier of the kidney. American Journal of Physiology - Renal Physiology, 2016, 311, F112-F119.	2.7	10
36	Clinician Scientists and PhDs: The Need to Connect Basic Research to Translational Medicineâ€”A Personal Experience. Journal of Investigative Dermatology, 2014, 134, 295-298.	0.7	7

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37	How to Build and Regenerate a Functional Skin Barrier: The Adhesive and Cell Shaping Travels of a Keratinocyte. Journal of Investigative Dermatology, 2022, 142, 1020-1025.	0.7	7
38	Intrauterine growth restriction induces skin inflammation, increases TSLP and impairs epidermal barrier function. Journal of Molecular Medicine, 2020, 98, 279-289.	3.9	3
39	Stretch exercises for stem cells expand the skin. Nature, 2020, 584, 196-198.	27.8	2
40	Tight Junctions in Simple and Stratified Epithelium. , 0, , 217-233.		1
41	Degrees of Freedom: Your Future inÂBiomedical Research. Journal of Investigative Dermatology, 2016, 136, 1073-1076.	0.7	0
42	Emerging mechanisms driving cell differentiation inÂvivo. Current Opinion in Cell Biology, 2020, 67, iii-v.	5.4	0