

Carien M Niessen

List of Publications by Year in descending order

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42
papers

3,513
citations

304743

22
h-index

302126

39
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all docs

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docs citations

45
times ranked

5218
citing authors

#	ARTICLE	IF	CITATIONS
1	How to Build and Regenerate a Functional Skin Barrier: The Adhesive and Cell Shaping Travels of a Keratinocyte. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1020-1025.	0.7	7
2	Mechanochemical control of epidermal stem cell divisions by B-plexins. <i>Nature Communications</i> , 2021, 12, 1308.	12.8	24
3	Regulation of Cell Polarity and Tissue Architecture in Epidermal Aging and Cancer. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1017-1023.	0.7	13
4	Laminin 332 Is Indispensable for Homeostatic Epidermal Differentiation Programs. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2602-2610.e3.	0.7	11
5	Maintaining proteostasis under mechanical stress. <i>EMBO Reports</i> , 2021, 22, e52507.	4.5	28
6	Intrauterine growth restriction induces skin inflammation, increases TSLP and impairs epidermal barrier function. <i>Journal of Molecular Medicine</i> , 2020, 98, 279-289.	3.9	3
7	Emerging mechanisms driving cell differentiation in vivo. <i>Current Opinion in Cell Biology</i> , 2020, 67, iii-v.	5.4	0
8	Identification of Host Trafficking Genes Required for HIV-1 Virological Synapse Formation in Dendritic Cells. <i>Journal of Virology</i> , 2020, 94, .	3.4	13
9	Small-scale demixing in confluent biological tissues. <i>Soft Matter</i> , 2020, 16, 3325-3337.	2.7	34
10	Tracing the Evolutionary Origin of Desmosomes. <i>Current Biology</i> , 2020, 30, R535-R543.	3.9	33
11	Murine Epidermal Ceramide Synthase 4 Is a Key Regulator of Skin Barrier Homeostasis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1927-1937.e5.	0.7	11
12	Heterochromatin-Driven Nuclear Softening Protects the Genome against Mechanical Stress-Induced Damage. <i>Cell</i> , 2020, 181, 800-817.e22.	28.9	341
13	Stretch exercises for stem cells expand the skin. <i>Nature</i> , 2020, 584, 196-198.	27.8	2
14	Epithelial polarity limits EMT. <i>Nature Cell Biology</i> , 2019, 21, 299-300.	10.3	13
15	Imbalance of Mitochondrial Respiratory Chain Complexes in the Epidermis Induces Severe Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2018, 138, 132-140.	0.7	28
16	Adherens Junctions and Desmosomes Coordinate Mechanics and Signaling to Orchestrate Tissue Morphogenesis and Function: An Evolutionary Perspective. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029207.	5.5	102
17	Adhesion forces and cortical tension couple cell proliferation and differentiation to drive epidermal stratification. <i>Nature Cell Biology</i> , 2018, 20, 69-80.	10.3	207
18	Shared and independent functions of aPKC ζ and Par3 in skin tumorigenesis. <i>Oncogene</i> , 2018, 37, 5136-5146.	5.9	18

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19	Cell adhesion and mechanics as drivers of tissue organization and differentiation: local cues for large scale organization. <i>Current Opinion in Cell Biology</i> , 2018, 54, 89-97.	5.4	72
20	Transition of responsive mechanosensitive elements from focal adhesions to adherens junctions on epithelial differentiation. <i>Molecular Biology of the Cell</i> , 2018, 29, 2317-2325.	2.1	29
21	E-cadherin binds to desmoglein to facilitate desmosome assembly. <i>ELife</i> , 2018, 7, .	6.0	67
22	Hepatitis B virus promotes β -catenin-signalling and disassembly of adherens junctions in a Src kinase dependent fashion. <i>Oncotarget</i> , 2018, 9, 33947-33960.	1.8	15
23	Epithelial Barriers in Murine Skin during Herpes Simplex Virus 1 Infection: The Role of Tight Junction Formation. <i>Journal of Investigative Dermatology</i> , 2017, 137, 884-893.	0.7	24
24	E-cadherin integrates mechanotransduction and EGFR signaling to control junctional tissue polarization and tight junction positioning. <i>Nature Communications</i> , 2017, 8, 1250.	12.8	147
25	Mechanical regulation of transcription controls Polycomb-mediated gene silencing during lineage commitment. <i>Nature Cell Biology</i> , 2016, 18, 864-875.	10.3	364
26	Par3A is dispensable for the function of the glomerular filtration barrier of the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F112-F119.	2.7	10
27	Degrees of Freedom: Your Future in Biomedical Research. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1073-1076.	0.7	0
28	Growth Retardation, Loss of Desmosomal Adhesion, and Impaired Tight Junction Function Identify a Unique Role of Plakophilin 1 In Vivo. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1471-1478.	0.7	28
29	Ceramide Synthase 4 Regulates Stem Cell Homeostasis and Hair Follicle Cycling. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1501-1509.	0.7	40
30	Myeloid Cell-Restricted Insulin/IGF-1 Receptor Deficiency Protects against Skin Inflammation. <i>Journal of Immunology</i> , 2015, 195, 5296-5308.	0.8	20
31	Clinician Scientists and PhDs: The Need to Connect Basic Research to Translational Medicine—A Personal Experience. <i>Journal of Investigative Dermatology</i> , 2014, 134, 295-298.	0.7	7
32	Epidermal Polarity Genes in Health and Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a015255-a015255.	6.2	30
33	Tropism-modified AAV Vectors Overcome Barriers to Successful Cutaneous Therapy. <i>Molecular Therapy</i> , 2014, 22, 929-939.	8.2	41
34	Mammalian aPKC/Par polarity complex mediated regulation of epithelial division orientation and cell fate. <i>Experimental Cell Research</i> , 2014, 328, 296-302.	2.6	44
35	aPKC controls epidermal homeostasis and stem cell fate through regulation of division orientation. <i>Journal of Cell Biology</i> , 2013, 202, 887-900.	5.2	86
36	Cadherin-dependent differential cell adhesion in <i>Xenopus</i> causes cell sorting in vitro, but not in the embryo. <i>Journal of Cell Science</i> , 2012, 125, 1877-83.	2.0	75

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37	Tissue Organization by Cadherin Adhesion Molecules: Dynamic Molecular and Cellular Mechanisms of Morphogenetic Regulation. <i>Physiological Reviews</i> , 2011, 91, 691-731.	28.8	349
38	Molecular components of the adherens junction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 562-571.	2.6	226
39	Tight Junctions/Adherens Junctions: Basic Structure and Function. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2525-2532.	0.7	554
40	Another Job for the Talented p120-Catenin. <i>Cell</i> , 2006, 127, 875-877.	28.9	10
41	Epithelial detachment due to absence of hemidesmosomes in integrin $\alpha 4$ null mice. <i>Nature Genetics</i> , 1996, 13, 366-369.	21.4	386
42	Tight Junctions in Simple and Stratified Epithelium. , 0, , 217-233.		1