Julia Reichelt

List of Publications by Year
in descending order

80 papers	3,480 citations	201674 27 h-index	138484 58 g-index
81 all docs	81 docs citations	81 times ranked	6872 citing authors

#	Article	IF	Citations
1	Akt-Mediated Regulation of Autophagy and Tumorigenesis Through Beclin 1 Phosphorylation. Science, 2012, 338, 956-959.	12.6	630
2	Regeneration of the entire human epidermis using transgenic stem cells. Nature, 2017, 551, 327-332.	27.8	544
3	Keratins: a structural scaffold with emerging functions. Cellular and Molecular Life Sciences, 2003, 60, 56-71.	5.4	155
4	Pathological consequences of VCP mutations on human striated muscle. Brain, 2007, 130, 381-393.	7.6	148
5	Keratin 1 maintains skin integrity and participates in an inflammatory network in skin via interleukin-18. Journal of Cell Science, 2012, 125, 5269-79.	2.0	134
6	Small nuclear ribonucleoprotein (RNP) U2 contains numerous additional proteins and has a bipartite RNP structure under splicing conditions.. Molecular and Cellular Biology, 1993, 13, 307-319.	2.3	118
7	Formation of a Normal Epidermis Supported by Increased Stability of Keratins 5 and 14 in Keratin 10 Null Mice. Molecular Biology of the Cell, 2001, 12, 1557-1568.	2.1	117
8	Hyperproliferation, induction of c-Myc and 14-3-3Ïƒ, but no cell fragility in keratin-10-null mice. Journal of Cell Science, 2002, 115, 2639-2650.	2.0	106
9	Small Nuclear Ribonucleoprotein (RNP) U2 Contains Numerous Additional Proteins and Has a Bipartite RNP Structure Under Splicing Conditions. Molecular and Cellular Biology, 1993, 13, 307-319.	2.3	97
10	Hyperproliferation, induction of c-Myc and 14-3-3sigma, but no cell fragility in keratin-10-null mice. Journal of Cell Science, 2002, 115, 2639-50.	2.0	95
11	COL7A1 Editing via CRISPR/Cas9 in Recessive Dystrophic Epidermolysis Bullosa. Molecular Therapy, 2017, 25, 2573-2584.	8.2	81
12	Loss of Keratin 10 Leads to Mitogen-activated Protein Kinase (MAPK) Activation, Increased Keratinocyte Turnover, and Decreased Tumor Formation in Mice. Journal of Investigative Dermatology, 2004, 123, 973-981.	0.7	75
13	Mechanotransduction of keratinocytes in culture and in the epidermis. European Journal of Cell Biology, 2007, 86, 807-816.	3.6	73
14	Cut and Paste: Efficient Homology-Directed Repair of a Dominant Negative KRT14 Mutation via CRISPR/Cas9 Nickases. Molecular Therapy, 2017, 25, 2585-2598.	8.2	73
15	Deletion of K1/K10 does not impair epidermal stratification but affects desmosomal structure and nuclear integrity. Journal of Cell Science, 2012, 125, 1750-8.	2.0	66
16	Epidermolysis bullosa: Advances in research and treatment. Experimental Dermatology, 2019, 28, 1176-1189.	2.9	51
17	Defolliculated (Dfl): A Dominant Mouse Mutation Leading to Poor Sebaceous Gland Differentiation and Total Elimination of Pelage Follicles. Journal of Investigative Dermatology, 2002, 119, 32-37.	0.7	50
18	Emerging functions: diseases and animal models reshape our view of the cytoskeleton. Experimental Cell Research, 2004, 301, 91-102.	2.6	46

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19	Out of balance: consequences of a partial keratin 10 knockout. Journal of Cell Science, 1997, 110, 2175-2186.	2.0	42
20	The Relationship Between Hyperproliferation and Epidermal Thickening in a Mouse Model for BCIE. Journal of Investigative Dermatology, 1998, 110, 951-957.	0.7	40
21	Traceless Targeting and Isolation of Gene-Edited Immortalized Keratinocytes from Epidermolysis Bullosa Simplex Patients. Molecular Therapy - Methods and Clinical Development, 2017, 6, 112-123.	4.1	40
22	Loss of keratin 10 is accompanied by increased sebocyte proliferation and differentiation. European Journal of Cell Biology, 2004, 83, 747-759.	3.6	38
23	A Gene Gun-mediated Nonviral RNA trans-splicing Strategy for Col7a1 Repair. Molecular Therapy - Nucleic Acids, 2016, 5, e287.	5.1	35
24	The c-Rel Subunit of NF-Î¹B Regulates Epidermal Homeostasis and Promotes Skin Fibrosis in Mice. American Journal of Pathology, 2013, 182, 2109-2120.	3.8	34
25	Improved Double-Nicking Strategies for COL7A1-Editing by Homologous Recombination. Molecular Therapy - Nucleic Acids, 2019, 18, 496-507.	5.1	34
26	Normal Ultrastructure, but Altered Stratum Corneum Lipid and Protein Composition in a Mouse Model for Epidermolytic Hyperkeratosis. Journal of Investigative Dermatology, 1999, 113, 329-334.	0.7	32
27	Loss of Keratin K2 Expression Causes Aberrant Aggregation of K10, Hyperkeratosis, and Inflammation. Journal of Investigative Dermatology, 2014, 134, 2579-2588.	0.7	31
28	Construction and validation of an RNA trans-splicing molecule suitable to repair a large number of COL7A1 mutations. Gene Therapy, 2016, 23, 775-784.	4.5	31
29	The Formation of Endoderm-Derived Taste Sensory Organs Requires a Pax9-Dependent Expansion of Embryonic Taste Bud Progenitor Cells. PLoS Genetics, 2014, 10, e1004709.	3.5	30
30	Gene Editingâ€“Mediated Disruption of Epidermolytic Ichthyosisâ€“Associated KRT10 Alleles Restores Filament Stability in Keratinocytes. Journal of Investigative Dermatology, 2019, 139, 1699-1710.e6.	0.7	30
31	Different early pathogenesis in myotilinopathy compared to primary desminopathy. Neuromuscular Disorders, 2006, 16, 361-367.	0.6	29
32	Gene editing for skin diseases: designer nucleases as tools for gene therapy of skin fragility disorders. Experimental Physiology, 2018, 103, 449-455.	2.0	28
33	Two- and Three-Dimensional Culture of Keratinocyte Stem and Precursor Cells Derived from Primary Murine Epidermal Cultures. Stem Cell Reviews and Reports, 2012, 8, 402-413.	5.6	27
34	Reduced Microbial Diversity Is a Feature of Recessive Dystrophic Epidermolysis Bullosa-Involved Skin and Wounds. Journal of Investigative Dermatology, 2018, 138, 2492-2495.	0.7	25
35	AnexÂvivo<scp>RNA</scp>transâ€splicing strategy to correct human generalized severe epidermolysis bullosa simplex. British Journal of Dermatology, 2019, 180, 141-148.	1.5	25
36	Low-dose calcipotriol can elicit wound closure, anti-microbial, and anti-neoplastic effects in epidermolysis bullosa keratinocytes. Scientific Reports, 2018, 8, 13430.	3.3	24

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37	Establishment of Spontaneously Immortalized Keratinocyte Lines from Wild-Type and Mutant Mice. Methods in Molecular Biology, 2010, 585, 59-69.	0.9	21
38	An RNA-targeted therapy for dystrophic epidermolysis bullosa. Nucleic Acids Research, 2017, 45, 10259-10269.	14.5	21
39	Current and Future Perspectives of Stem Cell Therapy in Dermatology. Annals of Dermatology, 2017, 29, 667.	0.9	20
40	A cancer stem cell-like phenotype is associated with miR-10b expression in aggressive squamous cell carcinomas. Cell Communication and Signaling, 2020, 18, 61.	6.5	20
41	Keratins K2 and K10 are essential for the epidermal integrity of plantar skin. Journal of Dermatological Science, 2016, 81, 10-16.	1.9	19
42	RNA Trans-Splicing Modulation via Antisense Molecule Interference. International Journal of Molecular Sciences, 2018, 19, 762.	4.1	15
43	Highly Efficient Zinc-Finger Nuclease-Mediated Disruption of an eGFP Transgene in Keratinocyte Stem Cells without Impairment of Stem Cell Properties. Stem Cell Reviews and Reports, 2012, 8, 426-434.	5.6	13
44	New facets of keratin K77: interspecies variations of expression and different intracellular location in embryonic and adult skin of humans and mice. Cell and Tissue Research, 2013, 354, 793-812.	2.9	13
45	Extracellular Vesicles as Biomarkers for the Detection of a Tumor Marker Gene in Epidermolysis Bullosa-Associated Squamous Cell Carcinoma. Journal of Investigative Dermatology, 2018, 138, 1197-1200.	0.7	12
46	Paired nicking-mediated COL17A1 reframing for junctional epidermolysis bullosa. Molecular Therapy, 2022, 30, 2680-2692.	8.2	11
47	Energetic stress induces premature aging of diploid human fibroblasts (Wi-38) in vitro. Archives of Gerontology and Geriatrics, 2001, 32, 219-231.	3.0	10
48	Deubiquitinating Enzyme UCH-L1 Promotes Dendritic Cell Antigen Cross-Presentation by Favoring Recycling of MHC Class I Molecules. Journal of Immunology, 2019, 203, 1730-1742.	0.8	10
49	Arginineâ€•but not alanineâ€•rich carboxyâ€•termini trigger nuclear translocation of mutant keratin 10 in ichthyosis with confetti. Journal of Cellular and Molecular Medicine, 2019, 23, 8442-8452.	3.6	9
50	Cancer-type organic anion transporting polypeptide 1B3 is a target for cancer suicide gene therapy using RNA trans -splicing technology. Cancer Letters, 2018, 433, 107-116.	7.2	8
51	Out of balance: consequences of a partial keratin 10 knockout. Journal of Cell Science, 1997, 110 (Pt) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	8
52	Designing Efficient Double RNA trans-Splicing Molecules for Targeted RNA Repair. International Journal of Molecular Sciences, 2016, 17, 1609.	4.1	7
53	Impact of low-dose calcipotriol ointment on wound healing, pruritus and pain in patients with dystrophic epidermolysis bullosa: A randomized, double-blind, placebo-controlled trial. Orphanet Journal of Rare Diseases, 2021, 16, 473.	2.7	7
54	Developing Mouse Models to Study Intermediate Filament Function. Methods in Cell Biology, 2004, 78, 65-94.	1.1	5

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55	Using 3D Culture to Investigate the Role of Mechanical Signaling in Keratinocyte Stem Cells. Methods in Molecular Biology, 2013, 989, 153-164.	0.9	4
56	Evaluating a Targeted Cancer Therapy Approach Mediated by RNA trans-Splicing In Vitro and in a Xenograft Model for Epidermolysis Bullosa-Associated Skin Cancer. International Journal of Molecular Sciences, 2022, 23, 575.	4.1	4
57	Advances on potential therapeutic options for epidermolysis bullosa. Expert Opinion on Orphan Drugs, 2018, 6, 283-293.	0.8	3
58	Advancing novel therapies for ichthyoses. British Journal of Dermatology, 2021, 184, 998-999.	1.5	3
59	Gene expression is stable in a complete CIB1 knockout keratinocyte model. Scientific Reports, 2020, 10, 14952.	3.3	2
60	Keratins: a structural scaffold with emerging functions. , 2003, 60, 56.		1
61	164 CRISPR/Cas9-mediated gene repair in the COL7A1 gene. Journal of Investigative Dermatology, 2016, 136, S189.	0.7	0
62	165 Combining antisense molecules with splicing modulation for KRT14 repair in epidermolysis bullosa. Journal of Investigative Dermatology, 2016, 136, S189.	0.7	0
63	190 Optimised TALEN-mediated gene editing of keratinocyte stem cells for a novel ex vivo epidermolytic ichthyosis therapy. Journal of Investigative Dermatology, 2016, 136, S193.	0.7	0
64	069 miRNA-10 as potential therapeutic target in recessive dystrophic epidermolysis bullosa. Journal of Investigative Dermatology, 2016, 136, S172.	0.7	0
65	162 A keratinocyte culture model for epidermodysplasia verruciformis. Journal of Investigative Dermatology, 2016, 136, S188.	0.7	0
66	477 Developing a cancer immunogene therapy approach for Epidermolysis bullosa-associated squamous cell carcinoma. Journal of Investigative Dermatology, 2016, 136, S242.	0.7	0
67	LB795 TALEN-mediated elimination of mutant keratin 14 as a gene therapy for epidermolysis bullosa simplex. Journal of Investigative Dermatology, 2016, 136, B8.	0.7	0
68	155 Identification of isomiRs in recessive dystrophic epidermolysis bullosa. Journal of Investigative Dermatology, 2016, 136, S187.	0.7	0
69	535 Ex vivo COL7A1 editing via CRISPR/Cas9 in recessive dystrophic epidermolysis bullosa. Journal of Investigative Dermatology, 2017, 137, S92.	0.7	0
70	560 Transcriptome profiling in recessive dystrophic epidermolysis bullosa patients. Journal of Investigative Dermatology, 2017, 137, S288.	0.7	0
71	599 Deregulation of miR-10b affects HOXD10 expression in squamous cell carcinoma from epidermolysis bullosa patients. Journal of Investigative Dermatology, 2017, 137, S294.	0.7	0
72	185 CRISPR/Cas9 mediated gene correction of COL7A1. Journal of Investigative Dermatology, 2017, 137, S224.	0.7	0

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73	189 Improved safety profile: An efficient CRISPR/Cas9 double nicking approach for KRT14 repair in EB simplex. Journal of Investigative Dermatology, 2017, 137, S225.	0.7	0
74	198 TALEN-mediated gene editing in epidermolytic ichthyosis patient-derived keratinocytes. Journal of Investigative Dermatology, 2017, 137, S226.	0.7	0
75	205 Altering the splice pattern of COL17A1 with antisense oligonucleotides. Journal of Investigative Dermatology, 2017, 137, S227.	0.7	0
76	212 Antisense RNA-mediated improvement of SMaRT therapy for KRT14 correction. Journal of Investigative Dermatology, 2017, 137, S229.	0.7	0
77	214 RNA trans-splicing-mediated COL7A1 repair in a dystrophic epidermolysis bullosa mouse model. Journal of Investigative Dermatology, 2017, 137, S229.	0.7	0
78	117 Using a bivalent DNA aptamer to reduce blister formation in recessive dystrophic epidermolysis bullosa. Journal of Investigative Dermatology, 2017, 137, S212.	0.7	0
79	548 Viral antigen-specific pre-vaccination prevents engraftment of tumor cells expressing the cognate antigen in mice. Journal of Investigative Dermatology, 2017, 137, S286.	0.7	0
80	534 TALEN-mediated gene editing of keratinocyte stem cells for a novel e x vivo epidermolytic ichthyosis therapy. Journal of Investigative Dermatology, 2017, 137, S92.	0.7	0