Yann Barrandon

List of Publications by Year
in descending order

29 papers	8,806 citations	430843 18 h-index	552766 26 g-index
29 all docs	29 docs citations	29 times ranked	11250 citing authors

#	Article	IF	Citations
1	Traceable impedance-based single-cell pipetting, from a research set-up to a robust and fast automated robot: DispenCell-S1. SLAS Technology, 2021, , .	1.9	1
2	Tp63-expressing adult epithelial stem cells cross lineages boundaries revealing latent hairy skin competence. Nature Communications, 2020, 11, 5645.	12.8	9
3	Impedance-Based Single-Cell Pipetting. SLAS Technology, 2020, 25, 222-233.	1.9	0
4	Traceable Impedance-Based Dispensing and Cloning of Living Single Cells. SLAS Technology, 2020, 25, 215-221.	1.9	2
5	Automated collective motion analysis validates human keratinocyte stem cell cultures. Scientific Reports, 2019, 9, 18725.	3.3	5
6	Chronic inflammation imposes aberrant cell fate in regenerating epithelia through mechanotransduction. Nature Cell Biology, 2016, 18, 168-180.	10.3	127
7	A single epidermal stem cell strategy for safe ex vivo gene therapy. EMBO Molecular Medicine, 2015, 7, 380-393.	6.9	40
8	Cell motion predicts human epidermal stemness. Journal of Cell Biology, 2015, 209, 305-315.	5.2	38
9	Cell motion predicts human epidermal stemness. Journal of Experimental Medicine, 2015, 212, 2125OIA31.	8.5	1
10	Clonal, Self-Renewing and Differentiating Human and Porcine Urothelial Cells, a Novel Stem Cell Population. PLoS ONE, 2014, 9, e90006.	2.5	21
11	Recent advances in the epidermal growth factor receptor/ligand system biology on skin homeostasis and keratinocyte stem cell regulation. Journal of Dermatological Science, 2013, 72, 81-86.	1.9	82
12	Regeneration of Epidermis from Adult Human Keratinocyte Stem Cells. , 2013, , 767-780.		2
13	Actin filament dynamics impacts keratinocyte stem cell maintenance. EMBO Molecular Medicine, 2013, 5, 640-653.	6.9	46
14	Capturing epidermal stemness for regenerative medicine. Seminars in Cell and Developmental Biology, 2012, 23, 937-944.	5.0	54
15	Microenvironmental reprogramming of thymic epithelial cells to skin multipotent stem cells. Nature, 2010, 466, 978-982.	27.8	116
16	Regeneration of Epidermis from Adult Keratinocyte Stem Cells. , 2009, , 551-560.		2
17	Wound repair and regeneration. Nature, 2008, 453, 314-321.	27.8	4,690
18	Oligopotent stem cells are distributed throughout the mammalian ocular surface. Nature, 2008, 456, 250-254.	27.8	387

#	Article	IF	Citations
19	Genetic Manipulation of Skin Stem Cells: Success, Hope, and Challenges Ahead. Molecular Therapy, 2007, 15, 443-444.	8.2	10
20	Crossing Boundaries. Cornea, 2007, 26, S10-S12.	1.7	19
21	Spontaneous Immortalization of Human Epidermal Cells with Naturally Elevated Telomerase. Journal of Investigative Dermatology, 2006, 126, 2507-2515.	0.7	11
22	Long-term renewal of hair follicles from clonogenic multipotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14677-14682.	7.1	280
23	The multifaceted adult epidermal stem cell. Current Opinion in Cell Biology, 2003, 15, 771-777.	5.4	113
24	Morphogenesis and Renewal of Hair Follicles from Adult Multipotent Stem Cells. Cell, 2001, 104, 233-245.	28.9	975
25	LONG-TERM REGENERATION OF HUMAN EPIDERMIS ON THIRD DEGREE BURNS TRANSPLANTED WITH AUTOLOGOUS CULTURED EPITHELIUM GROWN ON A FIBRIN MATRIX1,2. Transplantation, 2000, 70, 1588-1598.	1.0	292
26	Characterization of 18 New Mutations in COL7A1 in Recessive Dystrophic Epidermolysis Bullosa Provides Evidence for Distinct Molecular Mechanisms Underlying Defective Anchoring Fibril Formation. American Journal of Human Genetics, 1997, 61, 599-610.	6.2	148
27	Location of stem cells of human hair follicles by clonal analysis. Cell, 1994, 76, 1063-1073.	28.9	505
28	A homozygous insertionâ€“deletion in the type VII collagen gene (COL7A1) in Hallopeauâ€“Siemens dystrophic epidermolysis bullosa. Nature Genetics, 1993, 5, 287-293.	21.4	135
29	Cell migration is essential for sustained growth of keratinocyte colonies: The roles of transforming growth factor-Î± and epidermal growth factor. Cell, 1987, 50, 1131-1137.	28.9	695