Ryuhei Hayashi

List of Publications by Year
in descending order

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43 papers	1,411 citations	394421 19 h-index	330143 37 g-index
45 all docs	45 docs citations	45 times ranked	1650 citing authors

#	Article	IF	Citations
1	PAX6-positive microglia evolve locally in hiPSC-derived ocular organoids. Stem Cell Reports, 2022, 17, 221-230.	4.8	9
2	Generation of 3D lacrimal gland organoids from human pluripotent stem cells. Nature, 2022, 605, 126-131.	27.8	18
3	Long-term survival in non-human primates of stem cell-derived, MHC-unmatched corneal epithelial cell sheets. Stem Cell Reports, 2022, 17, 1714-1729.	4.8	4
4	Generation of functional conjunctival epithelium, including goblet cells, from human iPSCs. Cell Reports, 2021, 34, 108715.	6.4	17
5	Human iPS cells engender corneal epithelial stem cells with holoclone-forming capabilities. IScience, 2021, 24, 102688.	4.1	7
6	Generation of knockout rabbits with X-linked severe combined immunodeficiency (X-SCID) using CRISPR/Cas9. Scientific Reports, 2020, 10, 9957.	3.3	12
7	Cell-Type-Specific Adhesiveness and Proliferation Propensity on Laminin Isoforms Enable Purification of iPSC-Derived Corneal Epithelium. Stem Cell Reports, 2020, 14, 663-676.	4.8	12
8	Ocular surface ectoderm instigated by WNT inhibition and BMP4. Stem Cell Research, 2020, 46, 101868.	0.7	14
9	Generation and validation of a PITX2â€“EGFP reporter line of human induced pluripotent stem cells enables isolation of periocular mesenchymal cells. Journal of Biological Chemistry, 2020, 295, 3456-3465.	3.4	4
10	Chondroitin Sulfate as a Potential Modulator of the Stem Cell Niche in Cornea. Frontiers in Cell and Developmental Biology, 2020, 8, 567358.	3.7	10
11	The secretome of adipose-derived mesenchymal stem cells attenuates epithelialâ€“mesenchymal transition in human corneal epithelium. Regenerative Therapy, 2019, 11, 114-122.	3.0	15
12	KLF4 prevents epithelial to mesenchymal transition in human corneal epithelial cells via endogenous TGF-Î²2 suppression. Regenerative Therapy, 2019, 11, 249-257.	3.0	19
13	Use of homeobox gene expression patterns to determine anatomical regions of origin for body surface tissues derived from adult mice. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1412-1419.	2.7	2
14	A New in Vitro Model of GDLD by Knocking OutTACSTD2and Its Paralogous GeneEpCAMin Human Corneal Epithelial Cells. Translational Vision Science and Technology, 2018, 7, 30.	2.2	7
15	CD200 facilitates the isolation of corneal epithelial cells derived from human pluripotent stem cells. Scientific Reports, 2018, 8, 16550.	3.3	24
16	Selective Laminin-Directed Differentiation of Human Induced Pluripotent Stem Cells into Distinct Ocular Lineages. Cell Reports, 2018, 25, 1668-1679.e5.	6.4	39
17	Spontaneous acquisition of infinite proliferative capacity by a rabbit corneal endothelial cell line with maintenance of phenotypic and physiological characteristics. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1057-1064.	2.7	11
18	Coordinated generation of multiple ocular-like cell lineages and fabrication of functional corneal epithelial cell sheets from human iPS cells. Nature Protocols, 2017, 12, 683-696.	12.0	83

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19	High-resolution promoter map of human limbal epithelial cells cultured with keratinocyte growth factor and rho kinase inhibitor. Scientific Reports, 2017, 7, 2845.	3.3	9
20	Generation of a TALEN-mediated, p63 knock-in in human induced pluripotent stem cells. Stem Cell Research, 2017, 25, 256-265.	0.7	4
21	A Self-Assembling Peptide Gel as a Vitreous Substitute: A Rabbit Study. , 2017, 58, 4068.		24
22	Ebselen Preserves Tissue-Engineered Cell Sheets and their Stem Cells in Hypothermic Conditions. Scientific Reports, 2016, 6, 38987.	3.3	10
23	PAX6 Isoforms, along with Reprogramming Factors, Differentially Regulate the Induction of Cornea-specific Genes. Scientific Reports, 2016, 6, 20807.	3.3	39
24	Co-ordinated ocular development from human iPS cells and recovery of corneal function. Nature, 2016, 531, 376-380.	27.8	191
25	Localization and osteoblastic differentiation potential of neural crest-derived cells in oral tissues of adult mice. Biochemical and Biophysical Research Communications, 2015, 464, 1209-1214.	2.1	14
26	Maintenance and Distribution of Epithelial Stem/Progenitor Cells after Corneal Reconstruction Using Oral Mucosal Epithelial Cell Sheets. PLoS ONE, 2014, 9, e110987.	2.5	17
27	Development of a Cell Sheet Transportation Technique for Regenerative Medicine. Tissue Engineering - Part C: Methods, 2014, 20, 373-382.	2.1	23
28	Identification and Potential Application of Human Corneal Endothelial Progenitor Cells. Stem Cells and Development, 2014, 23, 2190-2201.	2.1	59
29	Molecular and Cellular Features of Murine Craniofacial and Trunk Neural Crest Cells as Stem Cell-Like Cells. PLoS ONE, 2014, 9, e84072.	2.5	15
30	Validation of Na,K-ATPase Pump Function of Corneal Endothelial Cells for Corneal Regenerative Medicine. Tissue Engineering - Part C: Methods, 2013, 19, 901-910.	2.1	14
31	The role of the Nrf2-mediated defense system in corneal epithelial wound healing. Free Radical Biology and Medicine, 2013, 61, 333-342.	2.9	44
32	Generation of Corneal Epithelial Cells from Induced Pluripotent Stem Cells Derived from Human Dermal Fibroblast and Corneal Limbal Epithelium. PLoS ONE, 2012, 7, e45435.	2.5	135
33	A Novel Gelatin Hydrogel Carrier Sheet for Corneal Endothelial Transplantation. Tissue Engineering - Part A, 2011, 17, 2213-2219.	3.1	97
34	Neural crest-derived multipotent cells in the adult mouse iris stroma. Genes To Cells, 2011, 16, 273-281.	1.2	35
35	Induction of putative stratified epithelial progenitor cells in vitro from mouse-induced pluripotent stem cells. Journal of Artificial Organs, 2011, 14, 58-66.	0.9	23
36	A novel method of culturing human oral mucosal epithelial cell sheet using post-mitotic human dermal fibroblast feeder cells and modified keratinocyte culture medium for ocular surface reconstruction. British Journal of Ophthalmology, 2010, 94, 1244-1250.	3.9	38

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37	Validation System of Tissue-Engineered Epithelial Cell Sheets for Corneal Regenerative Medicine. Tissue Engineering - Part C: Methods, 2010, 16, 553-560.	2.1	35
38	Analysis of soluble vascular endothelial growth factor receptor-1 secreted from cultured corneal and oral mucosal epithelial cell sheets in vitro. British Journal of Ophthalmology, 2009, 93, 263-267.	3.9	19
39	Histological evaluation of mechanical epithelial separation in epithelial laser in situ keratomileusis. Journal of Cataract and Refractive Surgery, 2009, 35, 1251-1259.	1.5	8
40	Human adipose tissue-derived mesenchymal stem cells as a novel feeder layer for epithelial cells. Journal of Tissue Engineering and Regenerative Medicine, 2008, 2, 445-449.	2.7	27
41	Enrichment of corneal epithelial stem/progenitor cells using cell surface markers, integrin Î±6 and CD71. Biochemical and Biophysical Research Communications, 2008, 367, 256-263.	2.1	57
42	Analysis of angiogenesis induced by cultured corneal and oral mucosal epithelial cell sheets in vitro. Experimental Eye Research, 2007, 85, 772-781.	2.6	33
43	N-Cadherin Is Expressed by Putative Stem/Progenitor Cells and Melanocytes in the Human Limbal Epithelial Stem Cell Niche. Stem Cells, 2007, 25, 289-296.	3.2	132