Gary H F Yam

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Human corneal stromal stem cells express anti-fibrotic microRNA-29a and 381-5p â€“ A robust cell selection tool for stem cell therapy of corneal scarring. Journal of Advanced Research, 2023, 45, 141-155.	9.5	9
2	Experiment-Based Validation of Corneal Lenticule Banking in a Health Authority-Licensed Facility. Tissue Engineering - Part A, 2022, 28, 69-83.	3.1	9
3	Isolation and Propagation of Human Corneal Stromal Keratocytes for Tissue Engineering and Cell Therapy. Cells, 2022, 11, 178.	4.1	15
4	Combined Therapy Using Human Corneal Stromal Stem Cells and Quiescent Keratocytes to Prevent Corneal Scarring after Injury. International Journal of Molecular Sciences, 2022, 23, 6980.	4.1	12
5	Comparison of tear proteomic and neuromediator profiles changes between small incision lenticule extraction (SMILE) and femtosecond laser-assisted in-situ keratomileusis (LASIK). Journal of Advanced Research, 2021, 29, 67-81.	9.5	23
6	Cell-Free Biological Approach for Corneal Stromal Wound Healing. Frontiers in Pharmacology, 2021, 12, 671405.	3.5	11
7	Human platelet lysate as a replacement for fetal bovine serum in human corneal stromal keratocyte and fibroblast culture. Journal of Cellular and Molecular Medicine, 2021, 25, 9647-9659.	3.6	7
8	Cellular therapy of corneal epithelial defect by adipose mesenchymal stem cell-derived epithelial progenitors. Stem Cell Research and Therapy, 2020, 11, 14.	5.5	34
9	A novel transgenic mouse model for corneal scar visualization. Experimental Eye Research, 2020, 200, 108270.	2.6	6
10	The anti-scarring effect of corneal stromal stem cell therapy is mediated by transforming growth factor Î²3. Eye and Vision (London, England), 2020, 7, 52.	3.0	13
11	Regenerative capacity of the corneal transition zone for endothelial cell therapy. Stem Cell Research and Therapy, 2020, 11, 523.	5.5	28
12	Lycium barbarum Polysaccharide Suppresses Expression of Fibrotic Proteins in Primary Human Corneal Fibroblasts. Journal of Clinical Medicine, 2020, 9, 3572.	2.4	7
13	Prospects and Challenges of Translational Corneal Bioprinting. Bioengineering, 2020, 7, 71.	3.5	37
14	Keratocyte biology. Experimental Eye Research, 2020, 196, 108062.	2.6	32
15	A cellular and proteomic approach to assess proteins extracted from cryopreserved human amnion in the cultivation of corneal stromal keratocytes for stromal cell therapy. Eye and Vision (London,) Tj ETQq1 1 0.78431 rgBT /Overlock 10	3.4	11
16	Characterization of Human Transition Zone Reveals a Putative Progenitor-Enriched Niche of Corneal Endothelium. Cells, 2019, 8, 1244.	4.1	34
17	A sintered graphene/titania material as a synthetic keratoprosthesis skirt for end-stage corneal disorders. Acta Biomaterialia, 2019, 94, 585-596.	8.3	10
18	Current Trends and Future Perspective of Mesenchymal Stem Cells and Exosomes in Corneal Diseases. International Journal of Molecular Sciences, 2019, 20, 2853.	4.1	68

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19	Corneal bioprinting utilizing collagenâ€based bioinks and primary human keratocytes. Journal of Biomedical Materials Research - Part A, 2019, 107, 1945-1953.	4.0	98
20	Urea-De-Epithelialized Human Amniotic Membrane for Ocular Surface Reconstruction. Stem Cells Translational Medicine, 2019, 8, 620-626.	3.3	15
21	Differential epithelial and stromal protein profiles in cone and non-cone regions of keratoconus corneas. Scientific Reports, 2019, 9, 2965.	3.3	25
22	Sustained Delivery System for Stem Cell-Derived Exosomes. Frontiers in Pharmacology, 2019, 10, 1368.	3.5	141
23	Corneal re-innervation following refractive surgery treatments. Neural Regeneration Research, 2019, 14, 557.	3.0	32
24	Human Periodontal Ligament-Derived Stem Cells Promote Retinal Ganglion Cell Survival and Axon Regeneration After Optic Nerve Injury. Stem Cells, 2018, 36, 844-855.	3.2	55
25	Postnatal periodontal ligament as a novel adult stem cell source for regenerative corneal cell therapy. Journal of Cellular and Molecular Medicine, 2018, 22, 3119-3132.	3.6	24
26	MicroRNA regulation of MDM2-p53 loop in pterygium. Experimental Eye Research, 2018, 169, 149-156.	2.6	13
27	Directed differentiation of periocular mesenchyme from human embryonic stem cells. Differentiation, 2018, 99, 62-69.	1.9	22
28	Quantification of the Posterior Cornea Using Swept Source Optical Coherence Tomography. Translational Vision Science and Technology, 2018, 7, 2.	2.2	6
29	Safety and Feasibility of Intrastromal Injection of Cultivated Human Corneal Stromal Keratocytes as Cell-Based Therapy for Corneal Opacities. , 2018, 59, 3340.		33
30	Nerve regeneration by human corneal stromal keratocytes and stromal fibroblasts. Scientific Reports, 2017, 7, 45396.	3.3	45
31	Femtosecond laser-assisted conjunctival autograft preparation for pterygium surgery. Ocular Surface, 2017, 15, 211-217.	4.4	24
32	Inhibiting glycogen synthase kinase-3 and transforming growth factor-Î² signaling to promote epithelial transition of human adipose mesenchymal stem cells. Biochemical and Biophysical Research Communications, 2017, 490, 1381-1388.	2.1	16
33	Functionalization of the Polymeric Surface with Bioceramic Nanoparticles via a Novel, Nonthermal Dip Coating Method. ACS Applied Materials & Interfaces, 2016, 8, 35565-35577.	8.0	35
34	Advances in corneal cell therapy. Regenerative Medicine, 2016, 11, 601-615.	1.7	40
35	Dental stem cells: a future asset of ocular cell therapy. Expert Reviews in Molecular Medicine, 2015, 17, e20.	3.9	30
36	Ex Vivo Propagation of Human Corneal Stromal â€œActivated Keratocytesâ€• for Tissue Engineering. Cell Transplantation, 2015, 24, 1845-1861.	2.5	33

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37	Propagation of Human Corneal Endothelial Cells: A Novel Dual Media Approach. Cell Transplantation, 2015, 24, 287-304.	2.5	126
38	Surface Modification of PMMA to Improve Adhesion to Corneal Substitutes in a Synthetic Coreâ€"Skirt Keratoprosthesis. ACS Applied Materials & Interfaces, 2015, 7, 21690-21702.	8.0	50
39	Cigarette smoking hinders human periodontal ligament-derived stem cell proliferation, migration and differentiation potentials. Scientific Reports, 2015, 5, 7828.	3.3	73
40	Signature microRNAs in human cornea limbal epithelium. Functional and Integrative Genomics, 2015, 15, 277-294.	3.5	17
41	Comparative Study of nJ- and Î¼J-Energy Level Femtosecond Lasers: Evaluation of Flap Adhesion Strength, Stromal Bed Quality, and Tissue Responses. , 2014, 55, 3186.		59
42	Association ofTranscription Factor 4 (TCF4) andProtein Tyrosine Phosphatase, Receptor Type G (PTPRG) with Corneal Dystrophies in Southern Chinese. Ophthalmic Genetics, 2014, 35, 138-141.	1.2	15
43	The Effect of Amniotic Membrane De-Epithelialization Method on its Biological Properties and Ability to Promote Limbal Epithelial Cell Culture. , 2013, 54, 3072.		41
44	Directing Adult Human Periodontal Ligamentâ€"Derived Stem Cells to Retinal Fate. , 2013, 54, 3965.		45
45	In Vitro Amyloid Aggregate Forming Ability of TGFBI Mutants that Cause Corneal Dystrophies. , 2012, 53, 5890.		24
46	Isoliquiritigenin from licorice root suppressed neovascularisation in experimental ocular angiogenesis models. British Journal of Ophthalmology, 2011, 95, 1309-1315.	3.9	30
47	MicroRNA-145 Regulates Human Corneal Epithelial Differentiation. PLoS ONE, 2011, 6, e21249.	2.5	67
48	Proliferative and migratory aptitude in pterygium. Histochemistry and Cell Biology, 2010, 134, 527-535.	1.7	27
49	Sodium 4-phenylbutyrate ameliorates the effects of cataract-causing mutant gammaD-crystallin in cultured cells. Molecular Vision, 2010, 16, 997-1003.	1.1	16
50	Immunopanning purification and long-term culture of human retinal ganglion cells. Molecular Vision, 2010, 16, 2867-72.	1.1	39
51	Multiple gene polymorphisms analysis revealed a different profile of genetic polymorphisms of primary open-angle glaucoma in northern Chinese. Molecular Vision, 2009, 15, 89-98.	1.1	29
52	An alphaA-crystallin gene mutation, Arg12Cys, causing inherited cataract-microcornea exhibits an altered heat-shock response. Molecular Vision, 2009, 15, 1127-38.	1.1	20
53	A novel gammaD-crystallin mutation causes mild changes in protein properties but leads to congenital coralliform cataract. Molecular Vision, 2009, 15, 1521-9.	1.1	27
54	AC and AG dinucleotide repeats in the PAX6 P1 promoter are associated with high myopia. Molecular Vision, 2009, 15, 2239-48.	1.1	45

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55	Trimethylamine N-oxide alleviates the severe aggregation and ER stress caused by G98R alphaA-crystallin. Molecular Vision, 2009, 15, 2829-40.	1.1	28
56	Protein quality control: the whoâ€™s who, the whereâ€™s and therapeutic escapes. Histochemistry and Cell Biology, 2008, 129, 163-177.	1.7	46
57	SLC4A11 mutations in Fuchs endothelial corneal dystrophy. Human Molecular Genetics, 2008, 17, 656-666.	2.9	226
58	Analysis of the Posterior Polymorphous Corneal Dystrophy 3 Gene,<i>TCF8</i>, in Late-Onset Fuchs Endothelial Corneal Dystrophy. , 2008, 49, 184.		77
59	Association ofCTLA-4andIL-13Gene Polymorphisms with Gravesâ€™ Disease and Ophthalmopathy in Chinese Children. , 2008, 49, 2409.		50
60	4-Phenylbutyrate rescues trafficking incompetent mutant Î±-galactosidase A without restoring its functionality. Biochemical and Biophysical Research Communications, 2007, 360, 375-380.	2.1	15
61	Aggregated Myocilin Induces Russell Bodies and Causes Apoptosis. American Journal of Pathology, 2007, 170, 100-109.	3.8	120
62	Genotypeâ€“Phenotype Analysis of Biettiâ€™s Crystalline Dystrophy in Patients withCYP4V2Mutations. , 2007, 48, 5212.		63
63	Sodium 4-Phenylbutyrate Acts as a Chemical Chaperone on Misfolded Myocilin to Rescue Cells from Endoplasmic Reticulum Stress and Apoptosis. , 2007, 48, 1683.		141
64	A synthetic chaperone corrects the trafficking defect and disease phenotype in a protein misfolding disorder. FASEB Journal, 2005, 19, 12-18.	0.5	150