

# Gary H F Yam

## List of Publications by Year in descending order

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64  
papers

2,719  
citations

201674

27  
h-index

233421

45  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3437  
citing authors

#	ARTICLE	IF	CITATIONS
1	SLC4A11 mutations in Fuchs endothelial corneal dystrophy. <i>Human Molecular Genetics</i> , 2008, 17, 656-666.	2.9	226
2	A synthetic chaperone corrects the trafficking defect and disease phenotype in a protein misfolding disorder. <i>FASEB Journal</i> , 2005, 19, 12-18.	0.5	150
3	Sodium 4-Phenylbutyrate Acts as a Chemical Chaperone on Misfolded Myocilin to Rescue Cells from Endoplasmic Reticulum Stress and Apoptosis. , 2007, 48, 1683.		141
4	Sustained Delivery System for Stem Cell-Derived Exosomes. <i>Frontiers in Pharmacology</i> , 2019, 10, 1368.	3.5	141
5	Propagation of Human Corneal Endothelial Cells: A Novel Dual Media Approach. <i>Cell Transplantation</i> , 2015, 24, 287-304.	2.5	126
6	Aggregated Myocilin Induces Russell Bodies and Causes Apoptosis. <i>American Journal of Pathology</i> , 2007, 170, 100-109.	3.8	120
7	Corneal bioprinting utilizing collagen-based bioinks and primary human keratocytes. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1945-1953.	4.0	98
8	Analysis of the Posterior Polymorphous Corneal Dystrophy 3 Gene, <i>TCF8</i> , in Late-Onset Fuchs Endothelial Corneal Dystrophy. , 2008, 49, 184.		77
9	Cigarette smoking hinders human periodontal ligament-derived stem cell proliferation, migration and differentiation potentials. <i>Scientific Reports</i> , 2015, 5, 7828.	3.3	73
10	Current Trends and Future Perspective of Mesenchymal Stem Cells and Exosomes in Corneal Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2853.	4.1	68
11	MicroRNA-145 Regulates Human Corneal Epithelial Differentiation. <i>PLoS ONE</i> , 2011, 6, e21249.	2.5	67
12	Genotype-Phenotype Analysis of Bietti's Crystalline Dystrophy in Patients with CYP4V2 Mutations. , 2007, 48, 5212.		63
13	Comparative Study of nJ- and 1/4J-Energy Level Femtosecond Lasers: Evaluation of Flap Adhesion Strength, Stromal Bed Quality, and Tissue Responses. , 2014, 55, 3186.		59
14	Human Periodontal Ligament-Derived Stem Cells Promote Retinal Ganglion Cell Survival and Axon Regeneration After Optic Nerve Injury. <i>Stem Cells</i> , 2018, 36, 844-855.	3.2	55
15	Association of CTLA-4 and IL-13 Gene Polymorphisms with Graves' Disease and Ophthalmopathy in Chinese Children. , 2008, 49, 2409.		50
16	Surface Modification of PMMA to Improve Adhesion to Corneal Substitutes in a Synthetic Core-Skirt Keratoprosthesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21690-21702.	8.0	50
17	Protein quality control: the who's who, the where's and therapeutic escapes. <i>Histochemistry and Cell Biology</i> , 2008, 129, 163-177.	1.7	46
18	Directing Adult Human Periodontal Ligament-Derived Stem Cells to Retinal Fate. , 2013, 54, 3965.		45

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19	Nerve regeneration by human corneal stromal keratocytes and stromal fibroblasts. Scientific Reports, 2017, 7, 45396.	3.3	45
20	AC and AG dinucleotide repeats in the PAX6 P1 promoter are associated with high myopia. Molecular Vision, 2009, 15, 2239-48.	1.1	45
21	The Effect of Amniotic Membrane De-Epithelialization Method on its Biological Properties and Ability to Promote Limbal Epithelial Cell Culture. , 2013, 54, 3072.		41
22	Advances in corneal cell therapy. Regenerative Medicine, 2016, 11, 601-615.	1.7	40
23	Immunopanning purification and long-term culture of human retinal ganglion cells. Molecular Vision, 2010, 16, 2867-72.	1.1	39
24	Prospects and Challenges of Translational Corneal Bioprinting. Bioengineering, 2020, 7, 71.	3.5	37
25	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
26	Characterization of Human Transition Zone Reveals a Putative Progenitor-Enriched Niche of Corneal Endothelium. Cells, 2019, 8, 1244.	4.1	34
27	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
28	Ex Vivo Propagation of Human Corneal Stromal "Activated Keratocytes" for Tissue Engineering. Cell Transplantation, 2015, 24, 1845-1861.	2.5	33
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	Keratocyte biology. Experimental Eye Research, 2020, 196, 108062.	2.6	32
31	Corneal re-innervation following refractive surgery treatments. Neural Regeneration Research, 2019, 14, 557.	3.0	32
32	Isoliquiritigenin from licorice root suppressed neovascularisation in experimental ocular angiogenesis models. British Journal of Ophthalmology, 2011, 95, 1309-1315.	3.9	30
33	Dental stem cells: a future asset of ocular cell therapy. Expert Reviews in Molecular Medicine, 2015, 17, e20.	3.9	30
34	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
35	Regenerative capacity of the corneal transition zone for endothelial cell therapy. Stem Cell Research and Therapy, 2020, 11, 523.	5.5	28
36	Trimethylamine N-oxide alleviates the severe aggregation and ER stress caused by G98R alphaA-crystallin. Molecular Vision, 2009, 15, 2829-40.	1.1	28

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37	Proliferative and migratory aptitude in pterygium. <i>Histochemistry and Cell Biology</i> , 2010, 134, 527-535.	1.7	27
38	A novel gammaD-crystallin mutation causes mild changes in protein properties but leads to congenital coralliform cataract. <i>Molecular Vision</i> , 2009, 15, 1521-9.	1.1	27
39	Differential epithelial and stromal protein profiles in cone and non-cone regions of keratoconus corneas. <i>Scientific Reports</i> , 2019, 9, 2965.	3.3	25
40	In Vitro Amyloid Aggregate Forming Ability of TGFBI Mutants that Cause Corneal Dystrophies. , 2012, 53, 5890.		24
41	Femtosecond laser-assisted conjunctival autograft preparation for pterygium surgery. <i>Ocular Surface</i> , 2017, 15, 211-217.	4.4	24
42	Postnatal periodontal ligament as a novel adult stem cell source for regenerative corneal cell therapy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3119-3132.	3.6	24
43	Comparison of tear proteomic and neuromediator profiles changes between small incision lenticule extraction (SMILE) and femtosecond laser-assisted in-situ keratomileusis (LASIK). <i>Journal of Advanced Research</i> , 2021, 29, 67-81.	9.5	23
44	Directed differentiation of periocular mesenchyme from human embryonic stem cells. <i>Differentiation</i> , 2018, 99, 62-69.	1.9	22
45	An alphaA-crystallin gene mutation, Arg12Cys, causing inherited cataract-microcornea exhibits an altered heat-shock response. <i>Molecular Vision</i> , 2009, 15, 1127-38.	1.1	20
46	Signature microRNAs in human cornea limbal epithelium. <i>Functional and Integrative Genomics</i> , 2015, 15, 277-294.	3.5	17
47	Inhibiting glycogen synthase kinase-3 and transforming growth factor- $\beta$ 2 signaling to promote epithelial transition of human adipose mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1381-1388.	2.1	16
48	Sodium 4-phenylbutyrate ameliorates the effects of cataract-causing mutant gammaD-crystallin in cultured cells. <i>Molecular Vision</i> , 2010, 16, 997-1003.	1.1	16
49	4-Phenylbutyrate rescues trafficking incompetent mutant $\beta$ -galactosidase A without restoring its functionality. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 375-380.	2.1	15
50	Association of Transcription Factor 4 (TCF4) and Protein Tyrosine Phosphatase, Receptor Type G (PTPRG) with Corneal Dystrophies in Southern Chinese. <i>Ophthalmic Genetics</i> , 2014, 35, 138-141.	1.2	15
51	Urea-De-Epithelialized Human Amniotic Membrane for Ocular Surface Reconstruction. <i>Stem Cells Translational Medicine</i> , 2019, 8, 620-626.	3.3	15
52	Isolation and Propagation of Human Corneal Stromal Keratocytes for Tissue Engineering and Cell Therapy. <i>Cells</i> , 2022, 11, 178.	4.1	15
53	MicroRNA regulation of MDM2-p53 loop in pterygium. <i>Experimental Eye Research</i> , 2018, 169, 149-156.	2.6	13
54	The anti-scarring effect of corneal stromal stem cell therapy is mediated by transforming growth factor $\beta$ 3. <i>Eye and Vision (London, England)</i> , 2020, 7, 52.	3.0	13

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55	Combined Therapy Using Human Corneal Stromal Stem Cells and Quiescent Keratocytes to Prevent Corneal Scarring after Injury. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6980.	4.1	12
56	A cellular and proteomic approach to assess proteins extracted from cryopreserved human amnion in the cultivation of corneal stromal keratocytes for stromal cell therapy. <i>Eye and Vision (London, England)</i> , 2020, 5, 10.	10.0	10
57	Cell-Free Biological Approach for Corneal Stromal Wound Healing. <i>Frontiers in Pharmacology</i> , 2021, 12, 671405.	3.5	11
58	A sintered graphene/titania material as a synthetic keratoprosthesis skirt for end-stage corneal disorders. <i>Acta Biomaterialia</i> , 2019, 94, 585-596.	8.3	10
59	Experiment-Based Validation of Corneal Lenticule Banking in a Health Authority-Licensed Facility. <i>Tissue Engineering - Part A</i> , 2022, 28, 69-83.	3.1	9
60	Human corneal stromal stem cells express anti-fibrotic microRNA-29a and 381-5p – A robust cell selection tool for stem cell therapy of corneal scarring. <i>Journal of Advanced Research</i> , 2023, 45, 141-155.	9.5	9
61	Lycium barbarum Polysaccharide Suppresses Expression of Fibrotic Proteins in Primary Human Corneal Fibroblasts. <i>Journal of Clinical Medicine</i> , 2020, 9, 3572.	2.4	7
62	Human platelet lysate as a replacement for fetal bovine serum in human corneal stromal keratocyte and fibroblast culture. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9647-9659.	3.6	7
63	Quantification of the Posterior Cornea Using Swept Source Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2018, 7, 2.	2.2	6
64	A novel transgenic mouse model for corneal scar visualization. <i>Experimental Eye Research</i> , 2020, 200, 108270.	2.6	6