

Yutao Liu

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

6,394
citations

81900

39
h-index

79698

73
g-index

104
all docs

104
docs citations

104
times ranked

8774
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of microRNAs in glaucoma. <i>Experimental Eye Research</i> , 2022, 215, 108909.	2.6	10
2	Exercise improves angiogenic function of circulating exosomes in type 2 diabetes: Role of exosomal SOD3. <i>FASEB Journal</i> , 2022, 36, e22177.	0.5	21
3	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
4	Encapsulating Cas9 into extracellular vesicles by protein myristoylation. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12196.	12.2	22
5	MicroRNA cargo of extracellular vesicles released by skeletal muscle fibro-adipogenic progenitor cells is significantly altered with disuse atrophy and IL-1 β deficiency. <i>Physiological Genomics</i> , 2022, 54, 296-304.	2.3	4
6	Optimal timing for activation of sigma 1 receptor in the Pde6b/J (rd10) mouse model of retinitis pigmentosa. <i>Experimental Eye Research</i> , 2021, 202, 108397.	2.6	10
7	Critical immunosuppressive effect of MDSC-derived exosomes in the tumor microenvironment. <i>Oncology Reports</i> , 2021, 45, 1171-1181.	2.6	34
8	Proteomic Characterization, Biodistribution, and Functional Studies of Immune-Therapeutic Exosomes: Implications for Inflammatory Lung Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 636222.	4.8	13
9	A novel 3D culture model of fungal keratitis to explore host-pathogen interactions within the stromal environment. <i>Experimental Eye Research</i> , 2021, 207, 108581.	2.6	3
10	Porphyromonas gingivalis Provokes Exosome Secretion and Paracrine Immune Senescence in Bystander Dendritic Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 669989.	3.9	21
11	Identification of Estrogen Signaling in a Prioritization Study of Intraocular Pressure-Associated Genes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10288.	4.1	6
12	Potential underlying genetic associations between keratoconus and diabetes mellitus. <i>Advances in Ophthalmology Practice and Research</i> , 2021, 1, 100005.	0.9	8
13	Hindlimb Immobilization Increases IL-1 β and Cdkn2a Expression in Skeletal Muscle Fibro-Adipogenic Progenitor Cells: A Link Between Senescence and Muscle Disuse Atrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 790437.	3.7	5
14	Generation of Novel Diagnostic and Therapeutic Exosomes to Detect and Deplete Protumorigenic M2 Macrophages. <i>Advanced Therapeutics</i> , 2020, 3, 1900209.	3.2	14
15	Decreased secretion and profibrotic activity of tubular exosomes in diabetic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F664-F673.	2.7	35
16	An In Vitro Bovine Cellular Model for Human Schlemm's Canal Endothelial Cells and Their Response to TGF β Treatment. <i>Translational Vision Science and Technology</i> , 2020, 9, 32.	2.2	2
17	Omics Analyses in Keratoconus: from Transcriptomics to Proteomics. <i>Current Ophthalmology Reports</i> , 2020, 8, 216-225.	1.2	9
18	Dendritic cell derived exosomes loaded with immunoregulatory cargo reprogram local immune responses and inhibit degenerative bone disease <i>in vivo</i> . <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1795362.	12.2	63

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19	Sex-Specific Differences in Extracellular Vesicle Protein Cargo in Synovial Fluid of Patients with Osteoarthritis. <i>Life</i> , 2020, 10, 337.	2.4	20
20	Expression of mRNAs, miRNAs, and lncRNAs in Human Trabecular Meshwork Cells Upon Mechanical Stretch. , 2020, 61, 2.		24
21	The Small GTPases Rab27b Regulates Mitochondrial Fatty Acid Oxidative Metabolism of Cardiac Mesenchymal Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 209.	3.7	11
22	Freeze-Dried Extracellular Vesicles From Adipose-Derived Stem Cells Prevent Hypoxia-Induced Muscle Cell Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 181.	3.7	42
23	Ocular cytomegalovirus latency exacerbates the development of choroidal neovascularization. <i>Journal of Pathology</i> , 2020, 251, 200-212.	4.5	8
24	Differential DNA methylation patterns in human Schlemm's canal endothelial cells with glaucoma. <i>Molecular Vision</i> , 2020, 26, 483-493.	1.1	2
25	Differential in vivo biodistribution of 131I-labeled exosomes from diverse cellular origins and its implication for theranostic application. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102072.	3.3	59
26	Association of a Primary Open-Angle Glaucoma Genetic Risk Score With Earlier Age at Diagnosis. <i>JAMA Ophthalmology</i> , 2019, 137, 1190.	2.5	32
27	Muscle-derived miR-34a increases with age in circulating extracellular vesicles and induces senescence of bone marrow stem cells. <i>Aging</i> , 2019, 11, 1791-1803.	3.1	119
28	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1682.	7.4	50
29	Transcriptional profiling of corneal stromal cells derived from patients with keratoconus. <i>Scientific Reports</i> , 2019, 9, 12567.	3.3	21
30	Update on the genetics of primary open-angle glaucoma. <i>Experimental Eye Research</i> , 2019, 188, 107795.	2.6	59
31	Bone Marrow Derived Extracellular Vesicles Activate Osteoclast Differentiation in Traumatic Brain Injury Induced Bone Loss. <i>Cells</i> , 2019, 8, 63.	4.1	21
32	Unraveling the role of genetics in the pathogenesis of diabetic retinopathy. <i>Eye</i> , 2019, 33, 534-541.	2.1	20
33	Distinct role of Sirtuin 1 (SIRT1) and Sirtuin 2 (SIRT2) in inhibiting cargo-loading and release of extracellular vesicles. <i>Scientific Reports</i> , 2019, 9, 20049.	3.3	32
34	PPIP5K2 and PCSK1 are Candidate Genetic Contributors to Familial Keratoconus. <i>Scientific Reports</i> , 2019, 9, 19406.	3.3	34
35	Modification of Cardiac Progenitor Cell-Derived Exosomes by miR-322 Provides Protection against Myocardial Infarction through Nox2-Dependent Angiogenesis. <i>Antioxidants</i> , 2019, 8, 18.	5.1	61
36	Very Long-Chain C24:1 Ceramide Is Increased in Serum Extracellular Vesicles with Aging and Can Induce Senescence in Bone-Derived Mesenchymal Stem Cells. <i>Cells</i> , 2019, 8, 37.	4.1	54

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37	A Novel Cx50 Insert Mutation from a Chinese Congenital Cataract Family Impairs Its Cellular Membrane Localization and Function. <i>DNA and Cell Biology</i> , 2018, 37, 449-456.	1.9	7
38	Differentially expressed microRNAs in the aqueous humor of patients with exfoliation glaucoma or primary open-angle glaucoma. <i>Human Molecular Genetics</i> , 2018, 27, 1263-1275.	2.9	71
39	Extracellular vesicle-mediated long-range communication in stressed retinal pigment epithelial cell monolayers. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2610-2622.	3.8	61
40	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018, 171, 164-173.	2.6	221
41	Emerging role of extracellular vesicles in musculoskeletal diseases. <i>Molecular Aspects of Medicine</i> , 2018, 60, 123-128.	6.4	86
42	Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes Promotes Repair in Ischemic Myocardium. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 420-428.	2.4	80
43	Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes for Angiogenesis. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 429-437.	2.4	29
44	Differential Expression of Coding and Long Noncoding RNAs in Keratoconus-Affected Corneas. , 2018, 59, 2717.		45
45	Exosome-Derived Dystrophin from Allograft Myogenic Progenitors Improves Cardiac Function in Duchenne Muscular Dystrophic Mice. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 412-419.	2.4	19
46	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets. , 2018, 59, 629.		14
47	Epigenetic modifications in hyperhomocysteinemia: potential role in diabetic retinopathy and age-related macular degeneration. <i>Oncotarget</i> , 2018, 9, 12562-12590.	1.8	37
48	Major review: Molecular genetics of primary open-angle glaucoma. <i>Experimental Eye Research</i> , 2017, 160, 62-84.	2.6	112
49	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , 2017, 49, 993-1004.	21.4	114
50	MicroRNA-183-5p Increases with Age in Bone-Derived Extracellular Vesicles, Suppresses Bone Marrow Stromal (Stem) Cell Proliferation, and Induces Stem Cell Senescence. <i>Tissue Engineering - Part A</i> , 2017, 23, 1231-1240.	3.1	182
51	Exosome production and its regulation of EGFR during wound healing in renal tubular cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F963-F970.	2.7	53
52	Isolation of Extracellular Vesicles from Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1660, 389-394.	0.9	10
53	Genetic correlations between intraocular pressure, blood pressure and primary open-angle glaucoma: a multi-cohort analysis. <i>European Journal of Human Genetics</i> , 2017, 25, 1261-1267.	2.8	18
54	Age at natural menopause genetic risk score in relation to age at natural menopause and primary open-angle glaucoma in a US-based sample. <i>Menopause</i> , 2017, 24, 150-156.	2.0	6

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55	HIF-1-mediated production of exosomes during hypoxia is protective in renal tubular cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F906-F913.	2.7	110
56	Gender-specific differential expression of exosomal miRNA in synovial fluid of patients with osteoarthritis. <i>Scientific Reports</i> , 2017, 7, 2029.	3.3	168
57	Further evidence for a role of the ADRB2 gene in risk for posttraumatic stress disorder. <i>Journal of Psychiatric Research</i> , 2017, 84, 59-61.	3.1	5
58	TSC1 Mutations in Keratoconus Patients With or Without Tuberous Sclerosis. , 2017, 58, 6462.		10
59	Molecular and Histopathological Changes Associated with Keratoconus. <i>BioMed Research International</i> , 2017, 2017, 1-16.	1.9	92
60	A Comparative Study of Serum Exosome Isolation Using Differential Ultracentrifugation and Three Commercial Reagents. <i>PLoS ONE</i> , 2017, 12, e0170628.	2.5	452
61	miRNA Profile in Three Different Normal Human Ocular Tissues by miRNA-Seq. , 2016, 57, 3731.		46
62	A Common Variant in <i>MIR182</i> Is Associated With Primary Open-Angle Glaucoma in the NEIGHBORHOOD Consortium. , 2016, 57, 4528.		42
63	Assessing the Association of Mitochondrial Genetic Variation With Primary Open-Angle Glaucoma Using Gene-Set Analyses. , 2016, 57, 5046.		44
64	Extracellular vesicles in the pathogenesis of rheumatoid arthritis and osteoarthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 286.	3.5	210
65	Gene signatures of postoperative atrial fibrillation in atrial tissue after coronary artery bypass grafting surgery in patients receiving β -blockers. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 109-115.	1.9	12
66	Neutral Sphingomyelinase-2 Deficiency Ameliorates Alzheimer's Disease Pathology and Improves Cognition in the 5XFAD Mouse. <i>Journal of Neuroscience</i> , 2016, 36, 8653-8667.	3.6	177
67	Extracellular vesicles in diagnosis and therapy of kidney diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F844-F851.	2.7	140
68	Magnetic nanoparticles as a new approach to improve the efficacy of gene therapy against differentiated human uterine fibroid cells and tumor-initiating stem cells. <i>Fertility and Sterility</i> , 2016, 105, 1638-1648.e8.	1.0	24
69	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016, 48, 189-194.	21.4	211
70	Case-control association between CCT-associated variants and keratoconus in a Saudi Arabian population. <i>Journal of Negative Results in BioMedicine</i> , 2015, 14, 10.	1.4	20
71	Expression Profiling of Human Schlemm's Canal Endothelial Cells From Eyes With and Without Glaucoma. , 2015, 56, 6747.		28
72	Screening of the Seed Region of <i>MIR184</i> in Keratoconus Patients from Saudi Arabia. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	32

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73	The Genetic and Environmental Factors for Keratoconus. <i>BioMed Research International</i> , 2015, 2015, 1-19.	1.9	268
74	A common variant near <i>TGFBR3</i> is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , 2015, 24, 3880-3892.	2.9	105
75	Human aqueous humor exosomes. <i>Experimental Eye Research</i> , 2015, 132, 73-77.	2.6	114
76	A common variant mapping to <i>CACNA1A</i> is associated with susceptibility to exfoliation syndrome. <i>Nature Genetics</i> , 2015, 47, 387-392.	21.4	97
77	Effect of genetic variation in the nicotinic receptor genes on risk for posttraumatic stress disorder. <i>Psychiatry Research</i> , 2015, 229, 326-331.	3.3	6
78	Exosomes/microvesicles from induced pluripotent stem cells deliver cardioprotective miRNAs and prevent cardiomyocyte apoptosis in the ischemic myocardium. <i>International Journal of Cardiology</i> , 2015, 192, 61-69.	1.7	350
79	Genetic variants and cellular stressors associated with exfoliation syndrome modulate promoter activity of a lncRNA within the <i>LOXL1</i> locus. <i>Human Molecular Genetics</i> , 2015, 24, 6552-6563.	2.9	76
80	Genome-wide association study of posttraumatic stress disorder in a cohort of Iraq-Afghanistan era veterans. <i>Journal of Affective Disorders</i> , 2015, 184, 225-234.	4.1	81
81	An Examination of the Association between 5-HTTLPR, Combat Exposure, and PTSD Diagnosis among U.S. Veterans. <i>PLoS ONE</i> , 2015, 10, e0119998.	2.5	29
82	DNA Copy Number Variants of Known Glaucoma Genes in Relation to Primary Open-Angle Glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8251-8258.	3.3	27
83	Genome-wide association study and meta-analysis of intraocular pressure. <i>Human Genetics</i> , 2014, 133, 41-57.	3.8	93
84	Association of <i>CAV1/CAV2</i> Genomic Variants with Primary Open-Angle Glaucoma Overall and by Gender and Pattern of Visual Field Loss. <i>Ophthalmology</i> , 2014, 121, 508-516.	5.2	91
85	A Genome-Wide Association Study of Central Corneal Thickness in Latinos. , 2013, 54, 2435.		54
86	The NEIGHBOR Consortium Primary Open-Angle Glaucoma Genome-wide Association Study. <i>Journal of Glaucoma</i> , 2013, 22, 517-525.	1.6	55
87	Gene Expression Profile in Human Trabecular Meshwork From Patients With Primary Open-Angle Glaucoma. , 2013, 54, 6382.		56
88	Investigation of Known Genetic Risk Factors for Primary Open Angle Glaucoma in Two Populations of African Ancestry. , 2013, 54, 6248.		73
89	Association of Variant rs4790904 in Protein Kinase C Alpha with Posttraumatic Stress Disorder in a U.S. Caucasian and African-American Veteran Sample. <i>Journal of Depression & Anxiety</i> , 2013, 02, S4001.	0.1	13
90	Estrogen pathway polymorphisms in relation to primary open angle glaucoma: an analysis accounting for gender from the United States. <i>Molecular Vision</i> , 2013, 19, 1471-81.	1.1	40

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91	Common Variants at 9p21 and 8q22 Are Associated with Increased Susceptibility to Optic Nerve Degeneration in Glaucoma. PLoS Genetics, 2012, 8, e1002654.	3.5	276
92	The Genetics of Keratoconus: A Review. , 2012, 01, .		42
93	The role of lysyl oxidase-like 1 DNA copy number variants in exfoliation glaucoma. Molecular Vision, 2012, 18, 2976-81.	1.1	6
94	Molecular genetics in glaucoma. Experimental Eye Research, 2011, 93, 331-339.	2.6	118
95	GALC Deletions Increase the Risk of Primary Open-Angle Glaucoma: The Role of Mendelian Variants in Complex Disease. PLoS ONE, 2011, 6, e27134.	2.5	37
96	Serial analysis of gene expression (SAGE) in normal human trabecular meshwork. Molecular Vision, 2011, 17, 885-93.	1.1	19
97	The genetics of primary open-angle glaucoma: A review. Experimental Eye Research, 2009, 88, 837-844.	2.6	219
98	Lack of Association between LOXL1 Variants and Primary Open-Angle Glaucoma in Three Different Populations. , 2008, 49, 3465.		48
99	Optineurin coding variants in Ghanaian patients with primary open-angle glaucoma. Molecular Vision, 2008, 14, 2367-72.	1.1	18
100	No association between OPA1 polymorphisms and primary open-angle glaucoma in three different populations. Molecular Vision, 2007, 13, 2137-41.	1.1	22