

Yutao Liu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

4,405
citations

36
h-index

64
g-index

104
ext. papers

5,462
ext. citations

6.1
avg, IF

5.49
L-index

#	Paper	IF	Citations
100	A Comparative Study of Serum Exosome Isolation Using Differential Ultracentrifugation and Three Commercial Reagents. <i>PLoS ONE</i> , 2017 , 12, e0170628	3.7	315
99	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, 61-9	3.2	283
98	Common variants at 9p21 and 8q22 are associated with increased susceptibility to optic nerve degeneration in glaucoma. <i>PLoS Genetics</i> , 2012 , 8, e1002654	6	227
97	The genetics of primary open-angle glaucoma: a review. <i>Experimental Eye Research</i> , 2009 , 88, 837-44	3.7	186
96	The genetic and environmental factors for keratoconus. <i>BioMed Research International</i> , 2015 , 2015, 795738		169
95	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. <i>Nature Genetics</i> , 2016 , 48, 189-94	36.3	159
94	Extracellular vesicles in the pathogenesis of rheumatoid arthritis and osteoarthritis. <i>Arthritis Research and Therapy</i> , 2016 , 18, 286	5.7	131
93	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018 , 171, 164-173	3.7	130
92	Neutral Sphingomyelinase-2 Deficiency Ameliorates Alzheimer's Disease Pathology and Improves Cognition in the 5XFAD Mouse. <i>Journal of Neuroscience</i> , 2016 , 36, 8653-67	6.6	127
91	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	3.9	125
90	Gender-specific differential expression of exosomal miRNA in synovial fluid of patients with osteoarthritis. <i>Scientific Reports</i> , 2017 , 7, 2029	4.9	114
89	Molecular genetics in glaucoma. <i>Experimental Eye Research</i> , 2011 , 93, 331-9	3.7	95
88	Extracellular vesicles in diagnosis and therapy of kidney diseases. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F844-F851	4.3	91
87	A common variant near TGFBR3 is associated with primary open angle glaucoma. <i>Human Molecular Genetics</i> , 2015 , 24, 3880-92	5.6	84
86	Genome-wide association study and meta-analysis of intraocular pressure. <i>Human Genetics</i> , 2014 , 133, 41-57	6.3	79
85	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	4.3	77
84	Human aqueous humor exosomes. <i>Experimental Eye Research</i> , 2015 , 132, 73-7	3.7	74

83	Major review: Molecular genetics of primary open-angle glaucoma. <i>Experimental Eye Research</i> , 2017 , 160, 62-84	3.7	73
82	Association of CAV1/CAV2 genomic variants with primary open-angle glaucoma overall and by gender and pattern of visual field loss. <i>Ophthalmology</i> , 2014 , 121, 508-16	7.3	73
81	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	36.3	72
80	A common variant mapping to CACNA1A is associated with susceptibility to exfoliation syndrome. <i>Nature Genetics</i> , 2015 , 47, 387-92	36.3	70
79	Genome-wide association study of posttraumatic stress disorder in a cohort of Iraq-Afghanistan era veterans. <i>Journal of Affective Disorders</i> , 2015 , 184, 225-34	6.6	66
78	Genetic variants and cellular stressors associated with exfoliation syndrome modulate promoter activity of a lncRNA within the LOXL1 locus. <i>Human Molecular Genetics</i> , 2015 , 24, 6552-63	5.6	61
77	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	5.6	60
76	Investigation of known genetic risk factors for primary open angle glaucoma in two populations of African ancestry 2013 , 54, 6248-54		60
75	Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes Promotes Repair in Ischemic Myocardium. <i>Journal of Cardiovascular Translational Research</i> , 2018 , 11, 420-428	3.3	58
74	Emerging role of extracellular vesicles in musculoskeletal diseases. <i>Molecular Aspects of Medicine</i> , 2018 , 60, 123-128	16.7	57
73	Molecular and Histopathological Changes Associated with Keratoconus. <i>BioMed Research International</i> , 2017 , 2017, 7803029	3	52
72	The NEIGHBOR consortium primary open-angle glaucoma genome-wide association study: rationale, study design, and clinical variables. <i>Journal of Glaucoma</i> , 2013 , 22, 517-25	2.1	49
71	A genome-wide association study of central corneal thickness in Latinos 2013 , 54, 2435-43		45
70	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	4.3	42
69	Lack of association between LOXL1 variants and primary open-angle glaucoma in three different populations 2008 , 49, 3465-8		42
68	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	5.6	41
67	Gene expression profile in human trabecular meshwork from patients with primary open-angle glaucoma 2013 , 54, 6382-9		40
66	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	2.3	37

65	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,	7.9	37
64	Update on the genetics of primary open-angle glaucoma. <i>Experimental Eye Research</i> , 2019 , 188, 107795	3.7	35
63	Differential in vivo biodistribution of I-labeled exosomes from diverse cellular origins and its implication for theranostic application. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102072	6	34
62	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	6.9	33
61	miRNA Profile in Three Different Normal Human Ocular Tissues by miRNA-Seq 2016 , 57, 3731-9		33
60	GALC deletions increase the risk of primary open-angle glaucoma: the role of Mendelian variants in complex disease. <i>PLoS ONE</i> , 2011 , 6, e27134	3.7	32
59	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, 1682-1691	27.4	31
58	The Genetics of Keratoconus: A Review 2012 ,		31
57	A Common Variant in MIR182 Is Associated With Primary Open-Angle Glaucoma in the NEIGHBORHOOD Consortium 2016 , 57, 4528-4535		31
56	Modification of Cardiac Progenitor Cell-Derived Exosomes by miR-322 Provides Protection against Myocardial Infarction through Nox2-Dependent Angiogenesis. <i>Antioxidants</i> , 2019 , 8,	7.1	30
55	Assessing the Association of Mitochondrial Genetic Variation With Primary Open-Angle Glaucoma Using Gene-Set Analyses 2016 , 57, 5046-5052		29
54	Dendritic cell derived exosomes loaded with immunoregulatory cargo reprogram local immune responses and inhibit degenerative bone disease. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1795362	16.4	26
53	Differential Expression of Coding and Long Noncoding RNAs in Keratoconus-Affected Corneas 2018 , 59, 2717-2728		26
52	Screening of the Seed Region of MIR184 in Keratoconus Patients from Saudi Arabia. <i>BioMed Research International</i> , 2015 , 2015, 604508	3	25
51	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	4.9	25
50	DNA copy number variants of known glaucoma genes in relation to primary open-angle glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 8251-8		24
49	An examination of the association between 5-HTTLPR, combat exposure, and PTSD diagnosis among U.S. veterans. <i>PLoS ONE</i> , 2015 , 10, e0119998	3.7	23
48	Expression Profiling of Human Schlemm's Canal Endothelial Cells From Eyes With and Without Glaucoma 2015 , 56, 6747-53		22

47	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	5.7	21
46	Epigenetic modifications in hyperhomocysteinemia: potential role in diabetic retinopathy and age-related macular degeneration. <i>Oncotarget</i> , 2018 , 9, 12562-12590	3.3	21
45	PPIP5K2 and PCSK1 are Candidate Genetic Contributors to Familial Keratoconus. <i>Scientific Reports</i> , 2019 , 9, 19406	4.9	20
44	Serial analysis of gene expression (SAGE) in normal human trabecular meshwork. <i>Molecular Vision</i> , 2011 , 17, 885-93	2.3	19
43	No association between OPA1 polymorphisms and primary open-angle glaucoma in three different populations. <i>Molecular Vision</i> , 2007 , 13, 2137-41	2.3	19
42	Decreased secretion and profibrotic activity of tubular exosomes in diabetic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, F664-F673	4.3	18
41	Transplantation of Cardiac Mesenchymal Stem Cell-Derived Exosomes for Angiogenesis. <i>Journal of Cardiovascular Translational Research</i> , 2018 , 11, 429-437	3.3	18
40	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		17
39	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	4.8	16
38	Optineurin coding variants in Ghanaian patients with primary open-angle glaucoma. <i>Molecular Vision</i> , 2008 , 14, 2367-72	2.3	16
37	Association of a Primary Open-Angle Glaucoma Genetic Risk Score With Earlier Age at Diagnosis. <i>JAMA Ophthalmology</i> , 2019 , 137, 1190-1194	3.9	15
36	Bone Marrow Derived Extracellular Vesicles Activate Osteoclast Differentiation in Traumatic Brain Injury Induced Bone Loss. <i>Cells</i> , 2019 , 8,	7.9	14
35	Transcriptional profiling of corneal stromal cells derived from patients with keratoconus. <i>Scientific Reports</i> , 2019 , 9, 12567	4.9	13
34	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 ^{3.3}		13
33	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, 109-15	5.8	11
32	Critical immunosuppressive effect of MDSC-derived exosomes in the tumor microenvironment. <i>Oncology Reports</i> , 2021 , 45, 1171-1181	3.5	11
31	Unraveling the role of genetics in the pathogenesis of diabetic retinopathy. <i>Eye</i> , 2019 , 33, 534-541	4.4	10
30	Expression of mRNAs, miRNAs, and lncRNAs in Human Trabecular Meshwork Cells Upon Mechanical Stretch 2020 , 61, 2		9

29	Testosterone Pathway Genetic Polymorphisms in Relation to Primary Open-Angle Glaucoma: An Analysis in Two Large Datasets 2018 , 59, 629-636		9
28	Isolation of Extracellular Vesicles from Stem Cells. <i>Methods in Molecular Biology</i> , 2017 , 1660, 389-394	1.4	9
27	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	5.3	9
26	TSC1 Mutations in Keratoconus Patients With or Without Tuberous Sclerosis 2017 , 58, 6462-6469		9
25	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 , 2, S4001	0	9
24	Generation of Novel Diagnostic and Therapeutic Exosomes to Detect and Deplete Protumorigenic M2 Macrophages. <i>Advanced Therapeutics</i> , 2020 , 3, 1900209	4.9	9
23	Sex-Specific Differences in Extracellular Vesicle Protein Cargo in Synovial Fluid of Patients with Osteoarthritis. <i>Life</i> , 2020 , 10,	3	8
22	Proteomic Characterization, Biodistribution, and Functional Studies of Immune-Therapeutic Exosomes: Implications for Inflammatory Lung Diseases. <i>Frontiers in Immunology</i> , 2021 , 12, 636222	8.4	8
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	5.7	7
20	Effect of genetic variation in the nicotinic receptor genes on risk for posttraumatic stress disorder. <i>Psychiatry Research</i> , 2015 , 229, 326-31	9.9	6
19	Ocular cytomegalovirus latency exacerbates the development of choroidal neovascularization. <i>Journal of Pathology</i> , 2020 , 251, 200-212	9.4	6
18	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	3.6	6
17	The role of lysyl oxidase-like 1 DNA copy number variants in exfoliation glaucoma. <i>Molecular Vision</i> , 2012 , 18, 2976-81	2.3	6
16	Provokes Exosome Secretion and Paracrine Immune Senescence in Bystander Dendritic Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 669989	5.9	6
15	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	3.7	6
14	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	2.5	5
13	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	5.2	3
12	Encapsulating Cas9 into extracellular vesicles by protein myristoylation.. <i>Journal of Extracellular Vesicles</i> , 2022 , 11, e12196	16.4	3

11	The role of microRNAs in glaucoma.. <i>Experimental Eye Research</i> , 2021 , 215, 108909	3.7	2
10	Omics analyses in keratoconus: from transcriptomics to proteomics. <i>Current Ophthalmology Reports</i> , 2020 , 8, 216-225	1.8	2
9	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. 2022 , 63, 12		1
8	Differential DNA methylation patterns in human Schlemm's canal endothelial cells with glaucoma. <i>Molecular Vision</i> , 2020 , 26, 483-493	2.3	1
7	Genome-wide Expression Profiling and Pathway Analysis in Cyclic Stretched Human Trabecular Meshwork Cells		1
6	Differential in vivo biodistribution of ¹³¹ I-labeled exosomes from diverse cellular origins and its implication in the theranostic application		1
5	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	3.7	1
4	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	5.7	0
3	Exercise improves angiogenic function of circulating exosomes in type 2 diabetes: Role of exosomal SOD3.. <i>FASEB Journal</i> , 2022 , 36, e22177	0.9	0
2	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	3.3	0
1	Potential underlying genetic associations between keratoconus and diabetes mellitus. <i>Advances in Ophthalmology Practice and Research</i> , 2021 , 1, 100005-100005		0