Alexander V Ljubimov

List of Publications by Year
in descending order

103	5,786	66343	91884
papers	citations	42 h-index	69 g-index

108	108	108	6449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress in corneal wound healing. Progress in Retinal and Eye Research, 2015, 49, 17-45.	15.5	554
2	Identification of amyloid plaques in retinas from Alzheimer's patients and noninvasive in vivo optical imaging of retinal plaques in a mouse model. NeuroImage, 2011, 54, S204-S217.	4.2	543
3	Bloodâ€“brain barrier permeable nano immunoconjugates induce local immune responses for glioma therapy. Nature Communications, 2019, 10, 3850.	12.8	199
4	Compositional Differences between Infant and Adult Human Corneal Basement Membranes. , 2007, 48, 4989.		171
5	Diabetic complications in the cornea. Vision Research, 2017, 139, 138-152.	1.4	162
6	Inhibition of brain tumor growth by intravenous poly(Î²- <scp>l</scp> -malic acid) nanobioconjugate with pH-dependent drug release. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18143-18148.	7.1	156
7	Basement membrane abnormalities in human eyes with diabetic retinopathy.. Journal of Histochemistry and Cytochemistry, 1996, 44, 1469-1479.	2.5	152
8	High Glucose Suppresses Epidermal Growth Factor Receptor/Phosphatidylinositol 3-Kinase/Akt Signaling Pathway and Attenuates Corneal Epithelial Wound Healing. Diabetes, 2009, 58, 1077-1085.	0.6	144
9	Ocular Changes in TgF344-AD Rat Model of Alzheimer's Disease. , 2014, 55, 523.		125
10	Identification of early pericyte loss and vascular amyloidosis in Alzheimerâ€™s disease retina. Acta Neuropathologica, 2020, 139, 813-836.	7.7	113
11	Human Corneal Epithelial Basement Membrane and Integrin Alterations in Diabetes and Diabetic Retinopathy¹. Journal of Histochemistry and Cytochemistry, 1998, 46, 1033-1041.	2.5	107
12	Overexpression of Matrix Metalloproteinase-10 and Matrix Metalloproteinase-3 in Human Diabetic Corneas. American Journal of Pathology, 2001, 158, 723-734.	3.8	103
13	Effects of Angiogenic Growth Factor Combinations on Retinal Endothelial Cellsâ˜†. Experimental Eye Research, 2002, 74, 523-535.	2.6	99
14	Basement membrane and growth factor gene expression in normal and diabetic human retinas. Current Eye Research, 1999, 18, 490-499.	1.5	81
15	Human diabetic corneas preserve wound healing, basement membrane, integrin and MMP-10 differences from normal corneas in organ culture. Experimental Eye Research, 2003, 77, 211-217.	2.6	81
16	MRI Virtual Biopsy and Treatment of Brain Metastatic Tumors with Targeted Nanobioconjugates: Nanoclinic in the Brain. ACS Nano, 2015, 9, 5594-5608.	14.6	78
17	Proteinase and Growth Factor Alterations Revealed by Gene Microarray Analysis of Human Diabetic Corneas. , 2005, 46, 3604.		75
18	Fibronectin Fragments Promote Human Retinal Endothelial Cell Adhesion and Proliferation and ERK Activation through Î±5Î²1Integrin and PI 3-Kinase. , 2003, 44, 1704.		74

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19	Differentially Expressed Wound Healing-Related microRNAs in the Human Diabetic Cornea. PLoS ONE, 2013, 8, e84425.	2.5	74
20	Differentiation of Human Limbal-Derived Induced Pluripotent Stem Cells Into Limbal-Like Epithelium. Stem Cells Translational Medicine, 2014, 3, 1002-1012.	3.3	74
21	Involvement of Protein Kinase CK2 in Angiogenesis and Retinal Neovascularization. , 2004, 45, 4583.		73
22	Poly(malic acid) nanoconjugates containing various antibodies and oligonucleotides for multitargeting drug delivery. Nanomedicine, 2008, 3, 247-265.	3.3	73
23	Concise Review: Stem Cells for Corneal Wound Healing. Stem Cells, 2017, 35, 2105-2114.	3.2	73
24	Myoepithelial and basement membrane antigens in benign and malignant human breast tumors. International Journal of Cancer, 1993, 53, 269-277.	5.1	70
25	Covalent nano delivery systems for selective imaging and treatment of brain tumors. Advanced Drug Delivery Reviews, 2017, 113, 177-200.	13.7	67
26	Changes in laminin isoforms associated with brain tumor invasion and angiogenesis. Frontiers in Bioscience - Landmark, 2006, 11, 81.	3.0	64
27	Inhibition of protein kinase CK2 suppresses angiogenesis and hematopoietic stem cell recruitment to retinal neovascularization sites. Molecular and Cellular Biochemistry, 2008, 316, 177-186.	3.1	61
28	Polymalic Acidâ€“Based Nanobiopolymer Provides Efficient Systemic Breast Cancer Treatment by Inhibiting both HER2/neu Receptor Synthesis and Activity. Cancer Research, 2011, 71, 1454-1464.	0.9	61
29	Targeting miR-146a to Treat Delayed Wound Healing in Human Diabetic Organ-Cultured Corneas. PLoS ONE, 2014, 9, e114692.	2.5	61
30	Blockade of a Laminin-411â€“Notch Axis with CRISPR/Cas9 or a Nanobioconjugate Inhibits Glioblastoma Growth through Tumor-Microenvironment Cross-talk. Cancer Research, 2019, 79, 1239-1251.	0.9	61
31	Altered Expression of Growth Factors and Cytokines in Keratoconus, Bullous Keratopathy and Diabetic Human Corneas. Experimental Eye Research, 2001, 73, 179-189.	2.6	60
32	Retinal and choroidal microangiopathies: Therapeutic opportunities. Microvascular Research, 2007, 74, 131-144.	2.5	60
33	Expression of Protein Kinase CK2 in Astroglial Cells of Normal and Neovascularized Retina. American Journal of Pathology, 2006, 168, 1722-1736.	3.8	59
34	Normalization of Wound Healing and Diabetic Markers in Organ Cultured Human Diabetic Corneas by Adenoviral Delivery ofc-MetGene. , 2010, 51, 1970.		59
35	Overexpression of Î²1-chain-containing laminins in capillary basement membranes of human breast cancer and its metastases. Breast Cancer Research, 2005, 7, R411-21.	5.0	57
36	Inhibition of laminin-8 in vivo using a novel poly(malic acid)-based carrier reduces glioma angiogenesis. Angiogenesis, 2006, 9, 183-191.	7.2	53

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37	A Simple Alkaline Method for Decellularizing Human Amniotic Membrane for Cell Culture. PLoS ONE, 2013, 8, e79632.	2.5	53
38	Mammalian Tissue Distribution of a Large Heparan Sulfate Proteoglycan Detected by Monoclonal Antibodies. Matrix Biology, 1989, 9, 311-321.	1.7	50
39	Toxicity and efficacy evaluation of multiple targeted polymalic acid conjugates for triple-negative breast cancer treatment. Journal of Drug Targeting, 2013, 21, 956-967.	4.4	48
40	Exosomes from normal and diabetic human corneolimbal keratocytes differentially regulate migration, proliferation and marker expression of limbal epithelial cells. Scientific Reports, 2018, 8, 15173.	3.3	48
41	Antisense inhibition of laminin-8 expression reduces invasion of human gliomas in vitro. Molecular Cancer Therapeutics, 2003, 2, 985-94.	4.1	48
42	The impact of sensory neuropathy and inflammation on epithelial wound healing in diabetic corneas. Progress in Retinal and Eye Research, 2022, 89, 101039.	15.5	47
43	Matrix Metalloproteinase Expression in Human Retinal Microvascular Cells. Diabetes, 1998, 47, 1311-1317.	0.6	46
44	Systemic diseases and the cornea. Experimental Eye Research, 2021, 204, 108455.	2.6	46
45	Contact inhibition of phagocytosis in epithelial sheets: alterations of cell surface properties induced by cell-cell contacts.. Proceedings of the National Academy of Sciences of the United States of America, 1975, 72, 719-722.	7.1	45
46	Extracellular Matrix Changes in Human Corneas After Radial Keratotomy. Experimental Eye Research, 1998, 67, 265-272.	2.6	45
47	Phosphodiesterase Type 5 Inhibitors Increase Herceptin Transport and Treatment Efficacy in Mouse Metastatic Brain Tumor Models. PLoS ONE, 2010, 5, e10108.	2.5	45
48	Distribution, ultrastructural localization, and ontogeny of the core protein of a heparan sulfate proteoglycan in human skin and other basement membranes.. Journal of Histochemistry and Cytochemistry, 1989, 37, 961-970.	2.5	44
49	Distribution of individual components of basement membrane in human colon polyps and adenocarcinomas as revealed by monoclonal antibodies. International Journal of Cancer, 1992, 50, 562-566.	5.1	44
50	Altered Expression of Aquaporins in Bullous Keratopathy and Fuchs' Dystrophy Corneas. Journal of Histochemistry and Cytochemistry, 2004, 52, 1341-1350.	2.5	43
51	Simultaneous blockade of interacting CK2 and EGFR pathways by tumor-targeting nanobioconjugates increases therapeutic efficacy against glioblastoma multiforme. Journal of Controlled Release, 2016, 244, 14-23.	9.9	40
52	Enhanced Wound Healing, Kinase and Stem Cell Marker Expression in Diabetic Organ-Cultured Human Corneas Upon MMP-10 and Cathepsin F Gene Silencing. , 2013, 54, 8172.		39
53	Proteolysis Regulates Exposure of the IIICS-1 Adhesive Sequence in Plasma Fibronectinâ€. Biochemistry, 1996, 35, 10913-10921.	2.5	38
54	Antibody mapping and tissue localization of globular and cysteine-rich regions of perlecan domain III.. Journal of Histochemistry and Cytochemistry, 1995, 43, 955-963.	2.5	37

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55	Alterations of Extracellular Matrix Components and Proteinases in Human Corneal Buttons With INTACS for Post-Laser In Situ Keratomileusis Keratectasia and Keratoconus. Cornea, 2008, 27, 565-573.	1.7	37
56	Gene Therapy in the Anterior Eye Segment. Current Gene Therapy, 2022, 22, 104-131.	2.0	37
57	Effects of tenascin-C on normal and diabetic retinal endothelial cells in culture. Investigative Ophthalmology and Visual Science, 2002, 43, 2758-66.	3.3	36
58	Alterations of epithelial stem cell marker patterns in human diabetic corneas and effects of c-met gene therapy. Molecular Vision, 2011, 17, 2177-90.	1.1	35
59	Genome-wide analysis suggests a differential microRNA signature associated with normal and diabetic human corneal limbus. Scientific Reports, 2017, 7, 3448.	3.3	32
60	Extracellular Matrix and Matrix Metalloproteinase Changes in Human Corneas After Complicated Laser-Assisted In Situ Keratomileusis (LASIK). Cornea, 2002, 21, 95-100.	1.7	29
61	Basement membrane components produced by a mouse ascites teratocarcinoma TB 24. Experimental Cell Research, 1986, 165, 530-540.	2.6	28
62	Identification of Cell Types in Human Diseased Corneas. Cornea, 2001, 20, 309-316.	1.7	28
63	Increased Expression of Fibrillin-1 in Human Corneas with Bullous Keratopathy. Cornea, 1998, 17, 309-314.	1.7	27
64	Role of Herpes Simplex Virus Type 1 (HSV-1) Glycoprotein K (gK) Pathogenic CD8+ T Cells in Exacerbation of Eye Disease. Frontiers in Immunology, 2018, 9, 2895.	4.8	27
65	Extracellular Matrix and Na + ,K + -ATPase in Human Corneas Following Cataract Surgery. Cornea, 2002, 21, 74-80.	1.7	26
66	Adenovirus-driven overexpression of proteinases in organ-cultured normal human corneas leads to diabetic-like changes. Brain Research Bulletin, 2010, 81, 262-272.	3.0	25
67	Treatment of cultured human astrocytes and vascular endothelial cells with protein kinase CK2 inhibitors induces early changes in cell shape and cytoskeleton. Molecular and Cellular Biochemistry, 2011, 349, 125-137.	3.1	25
68	Glaucoma, Stem Cells, and Gene Therapy: Where Are We Now?. International Journal of Stem Cells, 2017, 10, 119-128.	1.8	25
69	Normalization of wound healing and stem cell marker patterns in organ-cultured human diabetic corneas by gene therapy of limbal cells. Experimental Eye Research, 2014, 129, 66-73.	2.6	24
70	Stem cell therapies in the treatment of diabetic retinopathy and keratopathy. Experimental Biology and Medicine, 2016, 241, 559-568.	2.4	23
71	Increased Expression of Tenascin-C-binding Epithelial Integrins in Human Bullous Keratopathy Corneas. Journal of Histochemistry and Cytochemistry, 2001, 49, 1341-1350.	2.5	22
72	Gene expression changes in rat brain after short and long exposures to particulate matter in Los Angeles basin air: Comparison with human brain tumors. Experimental and Toxicologic Pathology, 2013, 65, 1063-1071.	2.1	22

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73	Insulin-like growth factor-I (IGF-I) and transforming growth factor-Î² (TGF-Î²) modulate tenascin-C and fibrillin-1 in bullous keratopathy stromal cells in vitro. Experimental Eye Research, 2003, 77, 537-546.	2.6	21
74	Exacerbation of corneal scarring in HSV-1 gK-immunized mice correlates with elevation of CD8+CD25+ T cells in corneas of ocularly infected mice. Virology, 2010, 399, 11-22.	2.4	21
75	Herpes Simplex Virus 1 Latency and the Kinetics of Reactivation Are Regulated by a Complex Network of Interactions between the Herpesvirus Entry Mediator, Its Ligands (gD, BTLA, LIGHT, and CD160), and the Latency-Associated Transcript. Journal of Virology, 2018, 92, .	3.4	21
76	SARS-CoV-2 and its beta variant of concern infect human conjunctival epithelial cells and induce differential antiviral innate immune response. Ocular Surface, 2022, 23, 184-194.	4.4	20
77	Erythropoietin: when liability becomes asset in neurovascular repair. Journal of Clinical Investigation, 2008, 118, 467-70.	8.2	17
78	Novel Splice Variants of Human Tenascin-C mRNA Identified in Normal and Bullous Keratopathy Corneas. Cornea, 1998, 17, 326-332.	1.7	16
79	ZBED4, a BED-Type Zinc-Finger Protein in the Cones of the Human Retina. , 2009, 50, 3580.		16
80	Adenoviral Gene Therapy for Diabetic Keratopathy: Effects on Wound Healing and Stem Cell Marker Expression in Human Organ-cultured Corneas and Limbal Epithelial Cells. Journal of Visualized Experiments, 2016, , e54058.	0.3	16
81	Novel nanopolymer RNA therapeutics normalize human diabetic corneal wound healing and epithelial stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102332.	3.3	16
82	Cell rounding in cultured human astrocytes and vascular endothelial cells upon inhibition of CK2 is mediated by actomyosin cytoskeleton alterations. Journal of Cellular Biochemistry, 2012, 113, 2948-2956.	2.6	13
83	The Absence of DHHC3 Affects Primary and Latent Herpes Simplex Virus 1 Infection. Journal of Virology, 2018, 92, .	3.4	13
84	Regulatory role of miR-146a in corneal epithelial wound healing via its inflammatory targets in human diabetic cornea. Ocular Surface, 2022, 25, 92-100.	4.4	12
85	Immunohistochemical Evaluation of Two Corneal Buttons With Post-LASIK Keratectasia. Cornea, 2007, 26, 983-991.	1.7	11
86	Integrated Transcriptome and Proteome Analyses Reveal the Regulatory Role of miR-146a in Human Limbal Epithelium via Notch Signaling. Cells, 2020, 9, 2175.	4.1	11
87	Multifunctional Nanopolymers for Bloodâ€“Brain Barrier Delivery and Inhibition of Glioblastoma Growth through EGFR/EGFRvIII, c-Myc, and PD-1. Nanomaterials, 2021, 11, 2892.	4.1	9
88	Persistence of reduced expression of putative stem cell markers and slow wound healing in cultured diabetic limbal epithelial cells. Molecular Vision, 2015, 21, 1357-67.	1.1	9
89	Response of cultured rat liver epithelial cell lines to tumour-promoting phorbol esters. Experimental Cell Research, 1985, 156, 311-324.	2.6	8
90	Entactin: ultrastructural localization of an ubiquitous basement membrane glycoprotein in mouse skin. Archives of Dermatological Research, 1989, 281, 427-432.	1.9	8

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91	P450 in the Angiogenesis Affair. American Journal of Pathology, 2005, 166, 341-344.	3.8	8
92	In Vitro and In Vivo Proteomic Comparison of Human Neural Progenitor Cellâ€Induced Photoreceptor Survival. Proteomics, 2019, 19, e1800213.	2.2	8
93	Altered Expression of Aquaporins in Bullous Keratopathy and Fuchs' Dystrophy Corneas. Journal of Histochemistry and Cytochemistry, 2004, 52, 1341-1350.	2.5	6
94	Focus on Molecules: Protein kinase CK2. Experimental Eye Research, 2012, 101, 111-112.	2.6	4
95	Growth Factor Synergy in Angiogenesis. , 2008, , 289-310.		3
96	Advances in Imaging: Brain Tumors to Alzheimer's Disease. The Bangkok Medical Journal, 2015, 10, 83-97.	0.0	1
97	Editorial for the special issue of Brain Research Bulletin "Advances in corneal and retinal research". Brain Research Bulletin, 2010, 81, 197.	3.0	0
98	Cell Therapy for Age-Related Macular Degeneration: A New Vision for the Bone Marrow?. Molecular Therapy, 2017, 25, 832-833.	8.2	0
99	TMIC-47. INHIBITION OF GLIOBLASTOMA GROWTH THROUGH TUMOR-MICROENVIRONMENT CROSSTALK USING CLINICALLY SUITABLE NANOBIOCONJUGATE. Neuro-Oncology, 2019, 21, vi258-vi258.	1.2	0
100	Stem cells in the eye. , 2020, , 1115-1133.		0
101	Antagonism of the Growth Hormone Axis as a Therapeutic Strategy for Diabetic Retinopathy. , 2008, , 449-463.		0
102	Biodegradable Multitargeting Nanoconjugates for Drug Delivery. Fundamental Biomedical Technologies, 2008, , 233-262.	0.2	0
103	Retinal vascular abnormalities and blood-retinal barrier breakdown in Alzheimer's disease.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e056603.	0.8	0