

Philip J Luthert

List of Publications by Citations

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129
papers

5,910
citations

38
h-index

74
g-index

131
ext. papers

6,519
ext. citations

5.9
avg, IF

5.07
L-index

#	Paper	IF	Citations
129	Tissue distribution of protease resistant prion protein in variant Creutzfeldt-Jakob disease using a highly sensitive immunoblotting assay. <i>Lancet, The</i> , 2001 , 358, 171-80	40	589
128	Neuronal loss in the frontal cortex in HIV infection. <i>Lancet, The</i> , 1991 , 337, 1119-21	40	418
127	Polyvalent dendrimer glucosamine conjugates prevent scar tissue formation. <i>Nature Biotechnology</i> , 2004 , 22, 977-84	44.5	271
126	The cellular fate of mutant rhodopsin: quality control, degradation and aggresome formation. <i>Journal of Cell Science</i> , 2002 , 115, 2907-2918	5.3	242
125	Hippocampal and neocortical ubiquitin-immunoreactive inclusions in amyotrophic lateral sclerosis with dementia. <i>Neuroscience Letters</i> , 1992 , 139, 269-74	3.3	217
124	Oxidative stress affects the junctional integrity of retinal pigment epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 675-84		195
123	MIO-M1 cells and similar muller glial cell lines derived from adult human retina exhibit neural stem cell characteristics. <i>Stem Cells</i> , 2007 , 25, 2033-43	5.8	193
122	Complement factor H deficiency in aged mice causes retinal abnormalities and visual dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16651-6	11.5	169
121	Clinical and neuropathological correlates of depression in Alzheimer's disease. <i>Psychological Medicine</i> , 1992 , 22, 877-84	6.9	167
120	Posterior vitreous detachment induced by microplasmin. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 641-7		160
119	Mutation in a short-chain collagen gene, CTRP5, results in extracellular deposit formation in late-onset retinal degeneration: a genetic model for age-related macular degeneration. <i>Human Molecular Genetics</i> , 2003 , 12, 2657-67	5.6	150
118	Glial remodeling and neural plasticity in human retinal detachment with proliferative vitreoretinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 329-42		146
117	Autism and megalencephaly. <i>Lancet, The</i> , 1993 , 341, 1225-6	40	141
116	Neurologic signs in Alzheimer's disease. Results of a prospective clinical and neuropathologic study. <i>Archives of Neurology</i> , 1992 , 49, 1038-42		114
115	Chondroitin sulfate proteoglycans and microglia prevent migration and integration of grafted Müller stem cells into degenerating retina. <i>Stem Cells</i> , 2008 , 26, 1074-82	5.8	102
114	A new perspective on lipid research in age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2018 , 67, 56-86	20.5	94
113	Macular pigment in the human retina: histological evaluation of localization and distribution. <i>Eye</i> , 2008 , 22, 132-7	4.4	90

112	Relationships between Lewy bodies and pale bodies in Parkinson's disease. <i>Acta Neuropathologica</i> , 1992 , 83, 525-9	14.3	89
111	Clinical comparison of Alzheimer's disease in pedigrees with the codon 717 Val-->Ile mutation in the amyloid precursor protein gene. <i>Neurobiology of Aging</i> , 1993 , 14, 407-19	5.6	85
110	Outcome of retinoblastoma in east Africa. <i>Pediatric Blood and Cancer</i> , 2008 , 50, 160-2	3	84
109	Familial Alzheimer's disease with the amyloid precursor protein position 717 mutation and sporadic Alzheimer's disease have the same cytoskeletal pathology. <i>Neuroscience Letters</i> , 1992 , 137, 221-4	3.3	84
108	Association of drusen deposition with choroidal intercapillary pillars in the aging human eye. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2886-92		80
107	The RhoA activator GEF-H1/Lfc is a transforming growth factor-beta target gene and effector that regulates alpha-smooth muscle actin expression and cell migration. <i>Molecular Biology of the Cell</i> , 2010 , 21, 860-70	3.5	78
106	How to predict proliferative vitreoretinopathy: a prospective study. <i>Ophthalmology</i> , 2001 , 108, 1184-6	7.3	77
105	Generation of activated sialoadhesin-positive microglia during retinal degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 2229-34		71
104	High frequency of persistent hyperplastic primary vitreous and cataracts in p53-deficient mice. <i>Cell Death and Differentiation</i> , 1998 , 5, 156-62	12.7	60
103	Retinal and choroidal biopsies are helpful in unclear uveitis of suspected infectious or malignant origin. <i>Ophthalmology</i> , 2004 , 111, 522-8	7.3	53
102	Matrix metalloproteinase biology applied to vitreoretinal disorders. <i>British Journal of Ophthalmology</i> , 2000 , 84, 654-66	5.5	52
101	Immunopathology of intraocular silicone oil: enucleated eyes. <i>British Journal of Ophthalmology</i> , 2007 , 91, 253-7	5.5	50
100	Intraretinal and periretinal pathology in anterior proliferative vitreoretinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 93-100	3.8	50
99	Differential expression of matrix metalloproteinases 2 and 9 by glial Müller cells: response to soluble and extracellular matrix-bound tumor necrosis factor-alpha. <i>American Journal of Pathology</i> , 2002 , 160, 1847-55	5.8	50
98	Kinetics of transgene expression in mouse retina following sub-retinal injection of recombinant adeno-associated virus. <i>Vision Research</i> , 2002 , 42, 541-9	2.1	46
97	The expression of the Leber congenital amaurosis protein AIPL1 coincides with rod and cone photoreceptor development. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 5396-403		42
96	Neuropathological correlates of behavioural disturbance in confirmed Alzheimer's disease. <i>British Journal of Psychiatry</i> , 1993 , 163, 364-8	5.4	42
95	Update from the ophthalmology child abuse working party: Royal College ophthalmologists. <i>Eye</i> , 2004 , 18, 795-8	4.4	41

94	Lipoprotein-associated phospholipase A2 (Lp-PLA2) as a therapeutic target to prevent retinal vasopermeability during diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7213-8	11.5	40
93	Ultrastructural examination of two cases of stromal microsporidial keratitis. <i>Journal of Medical Microbiology</i> , 2004 , 53, 775-781	3.2	40
92	Immunopathology of intraocular silicone oil: retina and epiretinal membranes. <i>British Journal of Ophthalmology</i> , 2007 , 91, 258-62	5.5	40
91	S156C mutation in tissue inhibitor of metalloproteinases-3 induces increased angiogenesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19927-36	5.4	35
90	Pathological and electrophysiological features of a canine cone-rod dystrophy in the miniature longhaired dachshund. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 4240-9		34
89	Resistance to the most common optic neuropathy is associated with systemic mitochondrial efficiency. <i>Neurobiology of Disease</i> , 2015 , 82, 78-85	7.5	31
88	Antibodies raised against different portions of A4 protein identify a subset of plaques in Down's syndrome. <i>Neuroscience Letters</i> , 1990 , 115, 345-50	3.3	31
87	The phagocytic capacity of neurones. <i>European Journal of Neuroscience</i> , 2007 , 25, 2947-55	3.5	30
86	Photoreceptor rescue. <i>Eye</i> , 1998 , 12 (Pt 3b), 591-6	4.4	29
85	Maintenance of the integrity of the blood-brain barrier in the rat during an in situ saline-based perfusion. <i>Neuroscience Letters</i> , 1985 , 56, 223-7	3.3	28
84	Analysis of the collagen VI assemblies associated with Sorsby's fundus dystrophy. <i>Journal of Structural Biology</i> , 2002 , 137, 31-40	3.4	27
83	Two unusual osteogenic orbital tumors: presumed parosteal osteosarcomas of the orbit. <i>Ophthalmology</i> , 2001 , 108, 1452-6	7.3	27
82	An immunohistochemical study of an autosomal dominant feline rod/cone dysplasia (Rdy cats). <i>Experimental Eye Research</i> , 1999 , 68, 51-7	3.7	27
81	Retinochoroiditis is induced by oral administration of <i>Toxoplasma gondii</i> cysts in the hamster model. <i>Experimental Eye Research</i> , 1999 , 68, 657-61	3.7	27
80	Hippocampal neuronal atrophy occurs in rhesus macaques following infection with simian immunodeficiency virus. <i>Neuropathology and Applied Neurobiology</i> , 1995 , 21, 529-34	5.2	27
79	Neuronal loss in symptom-free HIV infection. <i>Lancet, The</i> , 1992 , 340, 1413	4.0	27
78	Legeais BioKpro III keratoprosthesis implantation: long term results in seven patients. <i>British Journal of Ophthalmology</i> , 2006 , 90, 1146-51	5.5	26
77	Differential immunoreactivity of melanocytic lesions of the conjunctiva. <i>Histopathology</i> , 2001 , 39, 426-31	7.3	26

76	Bruch's membrane changes in transgenic mice overexpressing the human biglycan and apolipoprotein b-100 genes. <i>Experimental Eye Research</i> , 2009 , 89, 178-86	3.7	25
75	Astrocytosis, beta A4-protein deposition and paired helical filament formation in Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 1992 , 112, 68-75	3.2	25
74	Collagen VI assemblies in age-related macular degeneration. <i>Journal of Structural Biology</i> , 2002 , 139, 181-9	3.4	24
73	Beta A4 deposition in the temporal cortex of adults with Down's syndrome. <i>Journal of the Neurological Sciences</i> , 1992 , 111, 26-32	3.2	23
72	beta-Amyloid protein load is relatively uniform throughout neocortex and hippocampus in elderly Alzheimer's disease patients. <i>Neuroscience Letters</i> , 1991 , 129, 115-8	3.3	23
71	Norrie disease and peripheral venous insufficiency. <i>British Journal of Ophthalmology</i> , 2004 , 88, 1475	5.5	22
70	Minimising the risk of prion transmission by contact tonometry. <i>British Journal of Ophthalmology</i> , 2003 , 87, 1360-2	5.5	22
69	A morphometric study of the microvasculature of a rat glioma. <i>Neuropathology and Applied Neurobiology</i> , 1985 , 11, 461-73	5.2	22
68	Absence of p53 delays apoptotic photoreceptor cell death in the rds mouse. <i>Current Eye Research</i> , 1998 , 17, 917-23	2.9	21
67	Mathematical and computational models of the retina in health, development and disease. <i>Progress in Retinal and Eye Research</i> , 2016 , 53, 48-69	20.5	21
66	Retinal oxygen distribution and the role of neuroglobin. <i>Journal of Mathematical Biology</i> , 2016 , 73, 1-38	2	20
65	A quantitative study of the coincidence of blood vessels and A4 protein deposits in Alzheimer's disease. <i>Neuroscience Letters</i> , 1991 , 126, 110-2	3.3	20
64	Why do histology on retinal haemorrhages in suspected non-accidental injury?. <i>Histopathology</i> , 2003 , 43, 592-602	7.3	19
63	Changes in tarsal plate fibrillar collagens and elastic fibre phenotype in floppy eyelid syndrome. <i>Clinical and Experimental Ophthalmology</i> , 2011 , 39, 564-71	2.4	17
62	Bilateral cavernous haemangiomas of the orbit. <i>British Journal of Ophthalmology</i> , 2000 , 84, 928	5.5	16
61	Measurement of TIMP-3 expression and Bruch's membrane thickness in human macula. <i>Experimental Eye Research</i> , 2001 , 73, 851-8	3.7	16
60	Alzheimer's disease: the relationship between the density of senile plaques, neurofibrillary tangles and A4 protein in human patients. <i>Neuroscience Letters</i> , 1991 , 123, 141-3	3.3	16
59	Repository of proposed pathways and protein-protein interaction networks in age-related macular degeneration. <i>Npj Aging and Mechanisms of Disease</i> , 2020 , 6, 2	5.5	15

58	Modulation of Sub-RPE deposits in vitro: a potential model for age-related macular degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 1281-8		15
57	TIMP-3 mRNA is not overexpressed in Sorsby fundus dystrophy. <i>American Journal of Ophthalmology</i> , 2003 , 136, 954-5	4.9	15
56	Staining and peeling of the internal limiting membrane in the cat eye. <i>Current Eye Research</i> , 2005 , 30, 977-87	2.9	14
55	Vascular chorea: case report with pathology. <i>Movement Disorders</i> , 1994 , 9, 447-50	7	14
54	Clinical efficacy and mechanistic evaluation of aflibercept for proliferative diabetic retinopathy (acronym CLARITY): a multicentre phase IIb randomised active-controlled clinical trial. <i>BMJ Open</i> , 2015 , 5, e008405	3	13
53	Primary Orbital Melanoma: Presentation, Treatment, and Long-term Outcomes for 13 Patients. <i>Frontiers in Oncology</i> , 2017 , 7, 316	5.3	13
52	Abusive head trauma and the eye in infancy. <i>Eye</i> , 2013 , 27, 1227-9	4.4	13
51	In vivo confocal microscopy and histopathology of the conjunctiva in trachomatous scarring and normal tissue: a systematic comparison. <i>British Journal of Ophthalmology</i> , 2013 , 97, 1333-7	5.5	13
50	The effect of dexamethasone on vascular permeability of experimental brain tumours. <i>Acta Neuropathologica</i> , 1986 , 69, 288-94	14.3	13
49	Laser photocoagulation alters the pattern of staining for neurotrophin-4, GFAP, and CD68 in human retina. <i>British Journal of Ophthalmology</i> , 2003 , 87, 488-92	5.5	12
48	Modulation of hydrogen peroxide induced injury to corneal endothelium by virus mediated catalase gene transfer. <i>British Journal of Ophthalmology</i> , 2002 , 86, 1058-62	5.5	12
47	Blood flow in the choriocapillaris. <i>Journal of Fluid Mechanics</i> , 2015 , 774, 37-66	3.7	11
46	Renal cell carcinoma metastasis masquerading as recurrent orbital haematoma. <i>Orbit</i> , 2005 , 24, 281-4	1.5	11
45	Simple and complex retinal dystrophies are associated with profoundly different disease networks. <i>Scientific Reports</i> , 2017 , 7, 41835	4.9	10
44	Malignant transformation of iris melanocytoma to iris ring melanoma. <i>British Journal of Ophthalmology</i> , 2007 , 91, 1571-2	5.5	10
43	Use of PCR to diagnose <i>Toxoplasma gondii</i> chorioretinitis in eyes with severe vitritis. <i>Clinical and Experimental Ophthalmology</i> , 2005 , 33, 184-7	2.4	10
42	Biopsy-confirmed spontaneous resolution of orbital langerhans cell histiocytosis. <i>Orbit</i> , 2005 , 24, 39-41	1.5	10
41	Immunohistochemical Analysis of Scarring Trachoma Indicates Infiltration by Natural Killer and Undefined CD45 Negative Cells. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004734	4.8	10

40	Different patterns of neuropathological disease in rhesus monkeys infected by simian immunodeficiency virus, and their relation to the humoral immune response. <i>Neuropathology and Applied Neurobiology</i> , 1993 , 19, 336-45	5.2	9
39	Features of ectopic lymphoid-like structures in human uveitis. <i>Experimental Eye Research</i> , 2020 , 191, 107901	3.7	9
38	Analysis of Ras-effector interaction competition in large intestine and colorectal cancer context. <i>Small GTPases</i> , 2021 , 12, 209-225	2.7	9
37	Pathogenesis of age-related macular degeneration. <i>Diagnostic Histopathology</i> , 2011 , 17, 10-16	0.7	8
36	Transport of thiamin across the blood-brain barrier of the rat in the absence of aerobic metabolism. <i>Brain Research</i> , 1986 , 399, 148-51	3.7	8
35	Primary monophasic synovial sarcoma of the conjunctiva. <i>British Journal of Ophthalmology</i> , 2002 , 86, 1453-4	5.5	8
34	Combining Gene-Disease Associations with Single-Cell Gene Expression Data Provides Anatomy-Specific Subnetworks in Age-Related Macular Degeneration. <i>Network and Systems Medicine</i> , 2020 , 3, 105-121	4	8
33	Increased Epithelial Expression of CTGF and S100A7 with Elevated Subepithelial Expression of IL-1 α in Trachomatous Trichiasis. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004752	4.8	8
32	Detection of mutations in SF3B1, EIF1AX and GNAQ in primary orbital melanoma by candidate gene analysis. <i>BMC Cancer</i> , 2018 , 18, 1262	4.8	8
31	Tissue Interleukin-17 and Interleukin-23 as Biomarkers for Orbital Granulomatosis with Polyangiitis. <i>Ophthalmology</i> , 2015 , 122, 2140-2	7.3	7
30	Nature of subretinal fluid in patients undergoing vitrectomy for macular hole: a cytopathological and optical coherence tomography study. <i>Clinical and Experimental Ophthalmology</i> , 2008 , 36, 812-6	2.4	7
29	Effect of steroidal and non-steroidal drugs on the microglia activation pattern and the course of degeneration in the retinal degeneration slow mouse. <i>Ophthalmic Research</i> , 2005 , 37, 72-82	2.9	7
28	Ultrastructure of vitreomacular traction syndrome associated with persistent hyaloid artery. <i>Eye</i> , 2005 , 19, 333-6	4.4	7
27	P2XR modulation of visually evoked synaptic responses in the retina. <i>Purinergic Signalling</i> , 2016 , 12, 611-625	5.85	7
26	Prenatal diagnosis of orbital heterotopic brain tissue. <i>Journal of Pediatric Surgery</i> , 1997 , 32, 1348-50	2.6	6
25	Changes in neuron size in cynomolgus macaques infected with various immunodeficiency viruses and poliovirus. <i>Neuropathology and Applied Neurobiology</i> , 1998 , 24, 468-75	5.2	6
24	Epibulbar osseous choristoma: benign pathology simulating an intraorbital foreign body. <i>Orbit</i> , 2007 , 26, 29-32	1.5	6
23	Congenital respiratory epithelial cysts of the orbit: a rare cause of major orbital impairment. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2014 , 30, e116-9	1.4	5

22	Mathematical models of retinitis pigmentosa: The oxygen toxicity hypothesis. <i>Journal of Theoretical Biology</i> , 2017 , 425, 53-71	2.3	5
21	Delayed diagnosis of microcystic adnexal carcinoma in progressive eyelid distortion. <i>JAMA Ophthalmology</i> , 2010 , 128, 132-5		4
20	Strain specific variation in IFN-gamma inducible lymphocyte adhesion to rat brain endothelial cells. <i>Journal of Neuroimmunology</i> , 1998 , 91, 28-32	3.5	4
19	Masked orbital abscess in Wegener's granulomatosis. <i>Eye</i> , 2007 , 21, 246-8	4.4	4
18	Vitreous amyloidosis in alanine 71 transthyretin mutation. <i>British Journal of Ophthalmology</i> , 2005 , 89, 773-4	5.5	4
17	Medical disorders in Alzheimer's disease and vascular dementia. <i>Postgraduate Medical Journal</i> , 1991 , 67, 742-4	2	4
16	Systemic PTEN-Akt1-mTOR pathway activity in patients with normal tension glaucoma and ocular hypertension: A case series. <i>Mitochondrion</i> , 2017 , 36, 96-102	4.9	3
15	Opportunities and Challenges of Whole-Cell and -Tissue Simulations of the Outer Retina in Health and Disease. <i>Annual Review of Biomedical Data Science</i> , 2018 , 1, 131-152	5.6	3
14	Orbital bone and soft tissue calcification in CREST syndrome. <i>Clinical and Experimental Ophthalmology</i> , 2010 , 38, 534-6	2.4	3
13	Predictive Mathematical Models for the Spread and Treatment of Hyperoxia-induced Photoreceptor Degeneration in Retinitis Pigmentosa 2018 , 59, 1238-1249		3
12	Papilloma development and long-term ciclosporin use in chronic ocular allergy with associated keratoconus. <i>Eye and Contact Lens</i> , 2013 , 39, 402-4	3.2	2
11	Optic nerve sheath meningioma in a patient with choroidal malignant melanoma: a case report of a complex neurocristopathy. <i>Orbit</i> , 2009 , 28, 436-8	1.5	2
10	Orbital Rosai-Dorfman disease with subperiosteal bone involvement mimicking eosinophilic granuloma. <i>Orbit</i> , 2012 , 31, 24-6	1.5	2
9	Selective closure of the vascular bed of an experimental glioma model during in situ saline perfusion. <i>Neuropathology and Applied Neurobiology</i> , 1994 , 20, 448-53	5.2	1
8	Atypical, Extremely Rapid Growth of Pediatric Orbital Neurolemmoma. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2021 , 37, e164-e167	1.4	1
7	Basal ganglia mineralization in Alzheimer's disease: a comparative study of clinical, neuroradiological and neuropathological findings. <i>Behavioural Neurology</i> , 1992 , 5, 53-7	3	1
6	Pathways and patterns of cell loss in verified Alzheimer's disease: a factor and cluster analysis of clinico-pathological subgroups. <i>Behavioural Neurology</i> , 1994 , 7, 175-80	3	1
5	Intraocular Tumors 2015 , 383-398		

- 4 Multiple primary malignancies and prolonged survival in a patient with widespread metastatic cutaneous melanoma. *Melanoma Research*, **2018**, 28, 163-166 3.3
- 3 Acute Monocular Visual Loss Due To Carcinomatous Meningitis. *Neuro-Ophthalmology*, **2010**, 34, 347-350.9
- 2 Histopathologically proven mucinous cystadenocarcinoma metastatic to the choroid. *Retinal Cases and Brief Reports*, **2010**, 4, 181-3 1.1
- 1 A non-invasive pigmented nodule arising within primary acquired melanosis--an unusual phenomenon. *Orbit*, **2007**, 26, 57-9 1.5