

Philip J Luthert

List of Publications by Year in Descending Order

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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.

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	Atypical, Extremely Rapid Growth of Pediatric Orbital Neurilemmoma. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2021 , 37, e164-e167	1.4	1
128	Analysis of Ras-effector interaction competition in large intestine and colorectal cancer context. <i>Small GTPases</i> , 2021 , 12, 209-225	2.7	9
127	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
126	Features of ectopic lymphoid-like structures in human uveitis. <i>Experimental Eye Research</i> , 2020 , 191, 107901	3.7	9
125	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
124	Multiple primary malignancies and prolonged survival in a patient with widespread metastatic cutaneous melanoma. <i>Melanoma Research</i> , 2018 , 28, 163-166	3.3	
123	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
122	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
121	Predictive Mathematical Models for the Spread and Treatment of Hyperoxia-induced Photoreceptor Degeneration in Retinitis Pigmentosa 2018 , 59, 1238-1249		3
120	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
119	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
118	Simple and complex retinal dystrophies are associated with profoundly different disease networks. <i>Scientific Reports</i> , 2017 , 7, 41835	4.9	10
117	Primary Orbital Melanoma: Presentation, Treatment, and Long-term Outcomes for 13 Patients. <i>Frontiers in Oncology</i> , 2017 , 7, 316	5.3	13
116	Mathematical models of retinitis pigmentosa: The oxygen toxicity hypothesis. <i>Journal of Theoretical Biology</i> , 2017 , 425, 53-71	2.3	5
115	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
114	Retinal oxygen distribution and the role of neuroglobin. <i>Journal of Mathematical Biology</i> , 2016 , 73, 1-38	2	20
113	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

112	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
111	P2XR modulation of visually evoked synaptic responses in the retina. <i>Purinergic Signalling</i> , 2016 , 12, 611-625	5.8	7
110	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
109	Tissue Interleukin-17 and Interleukin-23 as Biomarkers for Orbital Granulomatosis with Polyangiitis. <i>Ophthalmology</i> , 2015 , 122, 2140-2	7.3	7
108	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
107	Intraocular Tumors 2015 , 383-398		
106	Blood flow in the choriocapillaris. <i>Journal of Fluid Mechanics</i> , 2015 , 774, 37-66	3.7	11
105	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
104	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
103	Abusive head trauma and the eye in infancy. <i>Eye</i> , 2013 , 27, 1227-9	4.4	13
102	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
101	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
100	Orbital Rosai-Dorfman disease with subperiosteal bone involvement mimicking eosinophilic granuloma. <i>Orbit</i> , 2012 , 31, 24-6	1.5	2
99	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
98	Pathogenesis of age-related macular degeneration. <i>Diagnostic Histopathology</i> , 2011 , 17, 10-16	0.7	8
97	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
96	Acute Monocular Visual Loss Due To Carcinomatous Meningitis. <i>Neuro-Ophthalmology</i> , 2010 , 34, 347-350.	0.9	
95	Histopathologically proven mucinous cystadenocarcinoma metastatic to the choroid. <i>Retinal Cases and Brief Reports</i> , 2010 , 4, 181-3	1.1	

94	Delayed diagnosis of microcystic adnexal carcinoma in progressive eyelid distortion. <i>JAMA Ophthalmology</i> , 2010 , 128, 132-5		4
93	Orbital bone and soft tissue calcification in CREST syndrome. <i>Clinical and Experimental Ophthalmology</i> , 2010 , 38, 534-6	2.4	3
92	S156C mutation in tissue inhibitor of metalloproteinases-3 induces increased angiogenesis. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19927-36	5.4	35
91	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
90	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
89	Macular pigment in the human retina: histological evaluation of localization and distribution. <i>Eye</i> , 2008 , 22, 132-7	4.4	90
88	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
87	Outcome of retinoblastoma in east Africa. <i>Pediatric Blood and Cancer</i> , 2008 , 50, 160-2	3	84
86	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
85	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
84	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
83	Masked orbital abscess in Wegener's granulomatosis. <i>Eye</i> , 2007 , 21, 246-8	4.4	4
82	The phagocytic capacity of neurones. <i>European Journal of Neuroscience</i> , 2007 , 25, 2947-55	3.5	30
81	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
80	Malignant transformation of iris melanocytoma to iris ring melanoma. <i>British Journal of Ophthalmology</i> , 2007 , 91, 1571-2	5.5	10
79	Immunopathology of intraocular silicone oil: enucleated eyes. <i>British Journal of Ophthalmology</i> , 2007 , 91, 253-7	5.5	50
78	A non-invasive pigmented nodule arising within primary acquired melanosis--an unusual phenomenon. <i>Orbit</i> , 2007 , 26, 57-9	1.5	
77	Epibulbar osseous choristoma: benign pathology simulating an intraorbital foreign body. <i>Orbit</i> , 2007 , 26, 29-32	1.5	6

76	Intraretinal and periretinal pathology in anterior proliferative vitreoretinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 93-100	3.8	50
75	Immunopathology of intraocular silicone oil: retina and epiretinal membranes. <i>British Journal of Ophthalmology</i> , 2007 , 91, 258-62	5.5	40
74	Legeais BioKpro III keratoprosthesis implantation: long term results in seven patients. <i>British Journal of Ophthalmology</i> , 2006 , 90, 1146-51	5.5	26
73	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
72	Renal cell carcinoma metastasis masquerading as recurrent orbital haematoma. <i>Orbit</i> , 2005 , 24, 281-4	1.5	11
71	Staining and peeling of the internal limiting membrane in the cat eye. <i>Current Eye Research</i> , 2005 , 30, 977-87	2.9	14
70	Ultrastructure of vitreomacular traction syndrome associated with persistent hyaloid artery. <i>Eye</i> , 2005 , 19, 333-6	4.4	7
69	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
68	Biopsy-confirmed spontaneous resolution of orbital langerhans cell histiocytosis. <i>Orbit</i> , 2005 , 24, 39-41	1.5	10
67	Glial remodeling and neural plasticity in human retinal detachment with proliferative vitreoretinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 329-42		146
66	Vitreous amyloidosis in alanine 71 transthyretin mutation. <i>British Journal of Ophthalmology</i> , 2005 , 89, 773-4	5.5	4
65	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
64	Norrie disease and peripheral venous insufficiency. <i>British Journal of Ophthalmology</i> , 2004 , 88, 1475	5.5	22
63	Ultrastructural examination of two cases of stromal microsporidial keratitis. <i>Journal of Medical Microbiology</i> , 2004 , 53, 775-781	3.2	40
62	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
61	Posterior vitreous detachment induced by microplasmin. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 641-7		160
60	Update from the ophthalmology child abuse working party: Royal College ophthalmologists. <i>Eye</i> , 2004 , 18, 795-8	4.4	41
59	Oxidative stress affects the junctional integrity of retinal pigment epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 675-84		195

58	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
57	Polyvalent dendrimer glucosamine conjugates prevent scar tissue formation. <i>Nature Biotechnology</i> , 2004 , 22, 977-84	44.5	271
56	Generation of activated sialoadhesin-positive microglia during retinal degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 2229-34		71
55	Why do histology on retinal haemorrhages in suspected non-accidental injury?. <i>Histopathology</i> , 2003 , 43, 592-602	7.3	19
54	TIMP-3 mRNA is not overexpressed in Sorsby fundus dystrophy. <i>American Journal of Ophthalmology</i> , 2003 , 136, 954-5	4.9	15
53	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
52	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
51	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
50	Minimising the risk of prion transmission by contact tonometry. <i>British Journal of Ophthalmology</i> , 2003 , 87, 1360-2	5.5	22
49	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
48	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
47	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
46	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
45	Collagen VI assemblies in age-related macular degeneration. <i>Journal of Structural Biology</i> , 2002 , 139, 181-9	3.4	24
44	Primary monophasic synovial sarcoma of the conjunctiva. <i>British Journal of Ophthalmology</i> , 2002 , 86, 1453-4	5.5	8
43	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
42	Differential immunoreactivity of melanocytic lesions of the conjunctiva. <i>Histopathology</i> , 2001 , 39, 426-31	7.3	26
41	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

40	How to predict proliferative vitreoretinopathy: a prospective study. <i>Ophthalmology</i> , 2001 , 108, 1184-6	7.3	77
39	Two unusual osteogenic orbital tumors: presumed parosteal osteosarcomas of the orbit. <i>Ophthalmology</i> , 2001 , 108, 1452-6	7.3	27
38	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	4.0	589
37	Matrix metalloproteinase biology applied to vitreoretinal disorders. <i>British Journal of Ophthalmology</i> , 2000 , 84, 654-66	5.5	52
36	Bilateral cavernous haemangiomas of the orbit. <i>British Journal of Ophthalmology</i> , 2000 , 84, 928	5.5	16
35	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
34	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
33	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
32	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
31	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
30	Absence of p53 delays apoptotic photoreceptor cell death in the rds mouse. <i>Current Eye Research</i> , 1998 , 17, 917-23	2.9	21
29	Photoreceptor rescue. <i>Eye</i> , 1998 , 12 (Pt 3b), 591-6	4.4	29
28	Prenatal diagnosis of orbital heterotopic brain tissue. <i>Journal of Pediatric Surgery</i> , 1997 , 32, 1348-50	2.6	6
27	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
26	Vascular chorea: case report with pathology. <i>Movement Disorders</i> , 1994 , 9, 447-50	7	14
25	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
24	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
23	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

22	Autism and megalencephaly. <i>Lancet, The</i> , 1993 , 341, 1225-6	40	141
21	Neuropathological correlates of behavioural disturbance in confirmed Alzheimer β disease. <i>British Journal of Psychiatry</i> , 1993 , 163, 364-8	5.4	42
20	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
19	Neurologic signs in Alzheimer β disease. Results of a prospective clinical and neuropathologic study. <i>Archives of Neurology</i> , 1992 , 49, 1038-42		114
18	Clinical and neuropathological correlates of depression in Alzheimer β disease. <i>Psychological Medicine</i> , 1992 , 22, 877-84	6.9	167
17	Familial Alzheimer β disease with the amyloid precursor protein position 717 mutation and sporadic Alzheimer β disease have the same cytoskeletal pathology. <i>Neuroscience Letters</i> , 1992 , 137, 221-4	3.3	84
16	Hippocampal and neocortical ubiquitin-immunoreactive inclusions in amyotrophic lateral sclerosis with dementia. <i>Neuroscience Letters</i> , 1992 , 139, 269-74	3.3	217
15	Neuronal loss in symptom-free HIV infection. <i>Lancet, The</i> , 1992 , 340, 1413	40	27
14	Beta A4 deposition in the temporal cortex of adults with Down β syndrome. <i>Journal of the Neurological Sciences</i> , 1992 , 111, 26-32	3.2	23
13	Astrocytosis, beta A4-protein deposition and paired helical filament formation in Alzheimer β disease. <i>Journal of the Neurological Sciences</i> , 1992 , 112, 68-75	3.2	25
12	Relationships between Lewy bodies and pale bodies in Parkinson β disease. <i>Acta Neuropathologica</i> , 1992 , 83, 525-9	14.3	89
11	Basal ganglia mineralization in Alzheimer β disease: a comparative study of clinical, neuroradiological and neuropathological findings. <i>Behavioural Neurology</i> , 1992 , 5, 53-7	3	1
10	Medical disorders in Alzheimer β disease and vascular dementia. <i>Postgraduate Medical Journal</i> , 1991 , 67, 742-4	2	4
9	Neuronal loss in the frontal cortex in HIV infection. <i>Lancet, The</i> , 1991 , 337, 1119-21	40	418
8	A quantitative study of the coincidence of blood vessels and A4 protein deposits in Alzheimer β disease. <i>Neuroscience Letters</i> , 1991 , 126, 110-2	3.3	20
7	beta-Amyloid protein load is relatively uniform throughout neocortex and hippocampus in elderly Alzheimer β disease patients. <i>Neuroscience Letters</i> , 1991 , 129, 115-8	3.3	23
6	Alzheimer β 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
5	Antibodies raised against different portions of A4 protein identify a subset of plaques in Down β syndrome. <i>Neuroscience Letters</i> , 1990 , 115, 345-50	3.3	31

4	The effect of dexamethasone on vascular permeability of experimental brain tumours. <i>Acta Neuropathologica</i> , 1986 , 69, 288-94	14.3	13
3	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
2	A morphometric study of the microvasculature of a rat glioma. <i>Neuropathology and Applied Neurobiology</i> , 1985 , 11, 461-73	5.2	22
1	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