Thierry LÃ©veillard

List of Publications by Year
in descending order

101	8,645	87888 38	48315 88
papers	citations	h-index	g-index

106	106	106	11365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide association study identifies variants at CLU and CR1 associated with Alzheimer's disease. Nature Genetics, 2009, 41, 1094-1099.	21.4	2,155
2	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. Nature Genetics, 2016, 48, 134-143.	21.4	1,167
3	Seven new loci associated with age-related macular degeneration. Nature Genetics, 2013, 45, 433-439.	21.4	687
4	Identification and characterization of rod-derived cone viability factor. Nature Genetics, 2004, 36, 755-759.	21.4	463
5	Rod-Derived Cone Viability Factor Promotes Cone Survival by Stimulating Aerobic Glycolysis. Cell, 2015, 161, 817-832.	28.9	320
6	TRPM1 Is Mutated in Patients with Autosomal-Recessive Complete Congenital Stationary Night Blindness. American Journal of Human Genetics, 2009, 85, 720-729.	6.2	207
7	Normal retina releases a diffusible factor stimulating cone survival in the retinal degeneration mouse. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8357-8362.	7.1	188
8	CRB1 mutations in inherited retinal dystrophies. Human Mutation, 2012, 33, 306-315.	2.5	153
9	Functional Cone Rescue by RdCVF Protein in a Dominant Model of Retinitis Pigmentosa. Molecular Therapy, 2009, 17, 787-795.	8.2	147
10	Functional interactions between p53 and the TFIIH complex are affected by tumour-associated mutations.. EMBO Journal, 1996, 15, 1615-1624.	7.8	146
11	Development and application of a next-generation-sequencing (NGS) approach to detect known and novel gene defects underlying retinal diseases. Orphanet Journal of Rare Diseases, 2012, 7, 8.	2.7	144
12	Viral-mediated RdCVF and RdCVFL expression protects cone and rod photoreceptors in retinal degeneration. Journal of Clinical Investigation, 2015, 125, 105-116.	8.2	143
13	Whole-Exome Sequencing Identifies Mutations in GPR179 Leading to Autosomal-Recessive Complete Congenital Stationary Night Blindness. American Journal of Human Genetics, 2012, 90, 321-330.	6.2	121
14	Partial Characterization of Retina-Derived Cone Neuroprotection in Two Culture Models of Photoreceptor Degeneration. , 2003, 44, 818.		115
15	Rod-Derived Cone Viability Factor for Treating Blinding Diseases: From Clinic to Redox Signaling. Science Translational Medicine, 2010, 2, 26ps16.	12.4	106
16	Identification of Gene Expression Changes Associated with the Progression of Retinal Degeneration in therd1Mouse. , 2004, 45, 2929.		88
17	Inherited retinal degenerations: therapeutic prospects. Biology of the Cell, 2004, 96, 261-269.	2.0	84
18	Metabolic and redox signaling in the retina. Cellular and Molecular Life Sciences, 2017, 74, 3649-3665.	5.4	83

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19	Genome-wide association study of age-related macular degeneration identifies associated variants in the TNXBâ€“FKBPLâ€“NOTCH4 region of chromosome 6p21.3. Human Molecular Genetics, 2012, 21, 4138-4150.	2.9	80
20	Complement factor H genetic variant and age-related macular degeneration: effect size, modifiers and relationship to disease subtype. International Journal of Epidemiology, 2012, 41, 250-262.	1.9	79
21	Rodâ€“Cone Interactions:. Progress in Retinal and Eye Research, 2001, 20, 451-467.	15.5	77
22	Taurine Provides Neuroprotection against Retinal Ganglion Cell Degeneration. PLoS ONE, 2012, 7, e42017.	2.5	74
23	The disruption of the rod-derived cone viability gene leads to photoreceptor dysfunction and susceptibility to oxidative stress. Cell Death and Differentiation, 2010, 17, 1199-1210.	11.2	73
24	Is Retinal Metabolic Dysfunction at the Center of the Pathogenesis of Age-related Macular Degeneration?. International Journal of Molecular Sciences, 2019, 20, 762.	4.1	72
25	The MDM2 C-terminal Region Binds to TAFII250 and Is Required for MDM2 Regulation of the Cyclin A Promoter. Journal of Biological Chemistry, 1997, 272, 30651-30661.	3.4	71
26	Rod-derived Cone Viability Factor-2 is a novel bifunctional-thioredoxin-like protein with therapeutic potential. BMC Molecular Biology, 2007, 8, 74.	3.0	58
27	Inherited retinal degenerations: therapeutic prospects. Biology of the Cell, 2004, 96, 261-269.	2.0	57
28	Study of Gene-Targeted Mouse Models of Splicing Factor GenePrpf31Implicated in Human Autosomal Dominant Retinitis Pigmentosa (RP). , 2009, 50, 5927.		52
29	The Thioredoxin-like Protein Rod-derived Cone Viability Factor (RdCVFL) Interacts with TAU and Inhibits Its Phosphorylation in the Retina. Molecular and Cellular Proteomics, 2009, 8, 1206-1218.	3.8	52
30	Whole-Exome Sequencing Identifies KIZ as a Ciliary Gene Associated with Autosomal-Recessive Rod-Cone Dystrophy. American Journal of Human Genetics, 2014, 94, 625-633.	6.2	52
31	Rare and common variants in extracellular matrix gene Fibrillin 2 (FBN2) are associated with macular degeneration. Human Molecular Genetics, 2014, 23, 5827-5837.	2.9	52
32	Structural analysis of the human inter-s-trypsin inhibitor light-chain gene. FEBS Journal, 1990, 191, 131-139.	0.2	51
33	Rhodopsin maturation defects induce photoreceptor death by apoptosis: a fly model for RhodopsinPro23His human retinitis pigmentosa. Human Molecular Genetics, 2005, 14, 2547-2557.	2.9	51
34	Genotypic and Phenotypic Characterization of P23H Line 1 Rat Model. PLoS ONE, 2015, 10, e0127319.	2.5	51
35	The 10q26 Risk Haplotype of Age-Related Macular Degeneration Aggravates Subretinal Inflammation by Impairing Monocyte Elimination. Immunity, 2020, 53, 429-441.e8.	14.3	47
36	Gene Therapy in Ophthalmology: Validation on Cultured Retinal Cells and Explants from Postmortem Human Eyes. Human Gene Therapy, 2011, 22, 587-593.	2.7	44

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37	MDM2 expression during mouse embryogenesis and the requirement of p53. Mechanisms of Development, 1998, 74, 189-193.	1.7	43
38	Differential Proteomic Analysis of the Mouse Retina. Molecular and Cellular Proteomics, 2003, 2, 494-505.	3.8	42
39	Filtering genes to improve sensitivity in oligonucleotide microarray data analysis. Nucleic Acids Research, 2007, 35, e102-e102.	14.5	42
40	Transcriptomic Analysis of Human Retinal Detachment Reveals Both Inflammatory Response and Photoreceptor Death. PLoS ONE, 2011, 6, e28791.	2.5	42
41	Chapter 47 Rod-cone interdependence: implications for therapy of photoreceptor cell diseases. Progress in Brain Research, 2001, 131, 649-661.	1.4	40
42	The homeobox gene CHX10/VSX2 regulates RdCVF promoter activity in the inner retina. Human Molecular Genetics, 2010, 19, 250-261.	2.9	40
43	The Thioredoxin Encoded by the Rod-Derived Cone Viability Factor Gene Protects Cone Photoreceptors Against Oxidative Stress. Antioxidants and Redox Signaling, 2016, 24, 909-923.	5.4	38
44	Cell Signaling with Extracellular Thioredoxin and Thioredoxin-Like Proteins: Insight into Their Mechanisms of Action. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	4.0	37
45	GOAnno: GO annotation based on multiple alignment. Bioinformatics, 2005, 21, 2095-2096.	4.1	36
46	Transplantation of Photoreceptor and Total Neural Retina Preserves Cone Function in P23H Rhodopsin Transgenic Rat. PLoS ONE, 2010, 5, e13469.	2.5	36
47	Fibroblast Growth Factor Receptor 4 (FGFR4) Is Expressed in Adult Rat and Human Retinal Photoreceptors and Neurons. Journal of Molecular Neuroscience, 1999, 13, 187-198.	2.3	33
48	Thioredoxin rod-derived cone viability factor protects against photooxidative retinal damage. Free Radical Biology and Medicine, 2015, 81, 22-29.	2.9	33
49	Expression of p21 WAF1/CIP1 during mouse odontogenesis. European Journal of Oral Sciences, 1998, 106, 104-111.	1.5	29
50	The familial dementia gene revisited: a missense mutation revealed by whole-exome sequencing identifies ITM2B as a candidate gene underlying a novel autosomal dominant retinal dystrophy in a large family. Human Molecular Genetics, 2014, 23, 491-501.	2.9	29
51	Retinal Degenerations: From Cell Signaling to Cell Therapy; Pre-Clinical and Clinical Issues. Current Gene Therapy, 2007, 7, 121-129.	2.0	29
52	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration. JAMA Ophthalmology, 2021, 139, 1299.	2.5	29
53	Altered Expression of Metallothionein-I and -II and Their Receptor Megalin in Inherited Photoreceptor Degeneration. , 2010, 51, 4809.		25
54	DNA repair in the degenerating mouse retina. Molecular and Cellular Neurosciences, 2004, 26, 441-449.	2.2	23

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55	Nxnl2 splicing results in dual functions in neuronal cell survival and maintenance of cell integrity. Human Molecular Genetics, 2012, 21, 2298-2311.	2.9	21
56	Functional rescue of cone photoreceptors in retinitis pigmentosa. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 1669-1677.	1.9	21
57	Metabolic and Redox Signaling of the Nucleoredoxin-Like-1 Gene for the Treatment of Genetic Retinal Diseases. International Journal of Molecular Sciences, 2020, 21, 1625.	4.1	20
58	Mathematical Model of the Role of RdCVF in the Coexistence of Rods and Cones in a Healthy Eye. Bulletin of Mathematical Biology, 2016, 78, 1394-1409.	1.9	19
59	Otx2-Genetically Modified Retinal Pigment Epithelial Cells Rescue Photoreceptors after Transplantation. Molecular Therapy, 2018, 26, 219-237.	8.2	19
60	Assessing Photoreceptor Status in Retinal Dystrophies: From High-Resolution Imaging to Functional Vision. American Journal of Ophthalmology, 2021, 230, 12-47.	3.3	19
61	A Mathematical Analysis of Aerobic Glycolysis Triggered by Glucose Uptake in Cones. Scientific Reports, 2019, 9, 4162.	3.3	18
62	RETINOBASE: a web database, data mining and analysis platform for gene expression data on retina. BMC Genomics, 2008, 9, 208.	2.8	15
63	Maintaining Cone Function in Rod-Cone Dystrophies. Advances in Experimental Medicine and Biology, 2018, 1074, 499-509.	1.6	15
64	PromAn: an integrated knowledge-based web server dedicated to promoter analysis. Nucleic Acids Research, 2006, 34, W578-W583.	14.5	13
65	Therapeutic strategy for handling inherited retinal degenerations in a gene-independent manner using rod-derived cone viability factors. Comptes Rendus - Biologies, 2014, 337, 207-213.	0.2	13
66	Cancer metabolism of cone photoreceptors. Oncotarget, 2015, 6, 32285-32286.	1.8	13
67	A Splice Variant in SLC16A8 Gene Leads to Lactate Transport Deficit in Human iPS Cell-Derived Retinal Pigment Epithelial Cells. Cells, 2021, 10, 179.	4.1	12
68	Vibratome Sectioning Mouse Retina to Prepare Photoreceptor Cultures. Journal of Visualized Experiments, 2014, , .	0.3	11
69	â„®-conome: an automated tissue counting platform of cone photoreceptors for rodent models of retinitis pigmentosa. BMC Ophthalmology, 2011, 11, 38.	1.4	10
70	Pathway Analysis Integrating Genome-Wide and Functional Data Identifies PLCG2 as a Candidate Gene for Age-Related Macular Degeneration. , 2019, 60, 4041.		10
71	The Search for Rod-Dependent Cone Viability Factors, Secreted Factors Promoting Cone Viability. Novartis Foundation Symposium, 2008, , 117-130.	1.1	9
72	Insulin inhibits inflammation-induced cone death in retinal detachment. Journal of Neuroinflammation, 2020, 17, 358.	7.2	9

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73	Cone Survival: Identification of RdCVF. , 2006, 572, 315-319.		9
74	Expression of Rod-Derived Cone Viability Factor: Dual Role of CRX in Regulating Promoter Activity and Cell-Type Specificity. PLoS ONE, 2010, 5, e13075.	2.5	8
75	Identification of an Alternative Splicing Product of the Otx2 Gene Expressed in the Neural Retina and Retinal Pigmented Epithelial Cells. PLoS ONE, 2016, 11, e0150758.	2.5	8
76	Mechanisms Underlying the Visual Benefit of Cell Transplantation for the Treatment of Retinal Degenerations. International Journal of Molecular Sciences, 2019, 20, 557.	4.1	8
77	Disease-Associated Variants of the Rod-derived Cone Viability Factor (RdCVF) in Leber Congenital Amaurosis. , 2006, 572, 9-14.		8
78	Sst I RFLP in the human inter-Î±-trypsin inhibitor heavy chain gene ITIH1. Nucleic Acids Research, 1988, 16, 11852-11852.	14.5	7
79	Further Insights into the Ciliary Gene and Protein KIZ and Its Murine Ortholog PLK1S1 Mutated in Rod-Cone Dystrophy. Genes, 2017, 8, 277.	2.4	7
80	Functional Genomics of the Retina to Elucidate its Construction and Deconstruction. International Journal of Molecular Sciences, 2019, 20, 4922.	4.1	7
81	<scp>WDR34</scp>, a candidate gene for nonâ€syndromic rodâ€cone dystrophy. Clinical Genetics, 2021, 99, 298-302.	2.0	7
82	The role of RdCVFL in a mathematical model of photoreceptor interactions. Journal of Theoretical Biology, 2021, 520, 110642.	1.7	7
83	The metabolic signaling of the nucleoredoxin-like 2 gene supports brain function. Redox Biology, 2021, 48, 102198.	9.0	7
84	Transcriptomic Analysis of Human Retinal Surgical Specimens Using jouRNAl. Journal of Visualized Experiments, 2013, , .	0.3	6
85	BstXI RFLP in the human inter-alpha-trypsin inhibitor light chain gene. Nucleic Acids Research, 1988, 16, 2744-2744.	14.5	5
86	An hypervariable polymorphism detected in the human inter-Î±-trypsin inhibitor heavy chain gene ITIH2. Nucleic Acids Research, 1990, 18, 1319-1319.	14.5	5
87	Dra I polymorphism in the human inter-alpha-trypsin inhibitor heavy chain gene ITIHl. Nucleic Acids Research, 1989, 17, 5419-5419.	14.5	4
88	Bgl I reveals two polymorphic sites in the human inter-alpha-trypsin inhibitor heavy chain gene ITI H2. Nucleic Acids Research, 1990, 18, 386-386.	14.5	4
89	Two RFLPs in human inter-alpha-trypsin inhibitor heavy chain gene ITIH2 on chromosome 10. Nucleic Acids Research, 1989, 17, 5418-5418.	14.5	3
90	An Apa I polymorphism for the human inter-Î±-trypsin inhibitor heavy chain gene ITIH1 on chromosome 3. Nucleic Acids Research, 1989, 17, 2875-2875.	14.5	3

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91	Chapter 3 - Restoring Vision to the Blind: Gene Therapy for Vision Loss. Translational Vision Science and Technology, 2014, 3, 5.	2.2	3
92	Mutated CCDC51 Coding for a Mitochondrial Protein, MITOK Is a Candidate Gene Defect for Autosomal Recessive Rod-Cone Dystrophy. International Journal of Molecular Sciences, 2021, 22, 7875.	4.1	3
93	Cone-Enriched Cultures from the Retina of Chicken Embryos to Study Rod to Cone Cellular Interactions. Journal of Visualized Experiments, 2021, , .	0.3	2
94	Eco 0 109 reveals two polymorphic sites in the human Inter-alpha-trypsin inhibitor light chain gene, ITl L. Nucleic Acids Research, 1989, 17, 1272-1272.	14.5	1
95	Imaging and Modelling of a Degenerative Disease of Retina. , 2009, , .		1
96	Spare the Rod, Spoil the Degeneration. Journal of Pediatric Ophthalmology and Strabismus, 2014, 51, 74-74.	0.7	1
97	Chapter 6 - Restoring Vision to the Blind: Neuroprotection. Translational Vision Science and Technology, 2014, 3, 8.	2.2	1
98	Whole-Exome Sequencing Identifies Mutations in GPR179 Leading to Autosomal-Recessive Complete Congenital Stationary Night Blindness. American Journal of Human Genetics, 2012, 91, 209.	6.2	0
99	Identification de gÃ¨nes candidats responsables de pathologies rÃ©tiniennes. Medecine/Sciences, 2002, 18, 528-529.	0.2	0
100	Transplantations rÃ©tiniennes : rÃ©sultats, perspectives et interrogations.. Medecine/Sciences, 1998, 14, 1337.	0.2	0
101	Rods Produce a Diffusible Factor Promoting Cone Photoreceptor Survival In Vivo and in Vitro. , 1999, , 509-517.		0