

Russell N Van Gelder

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.

160
papers

7,587
citations

41
h-index

84
g-index

216
ext. papers

8,873
ext. citations

7.5
avg, IF

5.98
L-index

#	Paper	IF	Citations
160	Machine learning prediction of adenovirus D8 conjunctivitis complications from viral whole genome sequence. <i>Ophthalmology Science</i> , 2022 , 100166		
159	Clocks, cancer, and chronochemotherapy. <i>Science</i> , 2021 , 371,	33.3	41
158	Molecular and Clinical Characterization of Human Adenovirus E4-Associated Conjunctivitis. <i>American Journal of Ophthalmology</i> , 2021 , 233, 227-242	4.9	1
157	Inefficiencies in Residency Matching Associated with GaleBhapley Algorithms. <i>Journal of Academic Ophthalmology (2017)</i> , 2021 , 13, e175-e182	0.7	
156	Refractive Outcomes After Immediate Sequential vs Delayed Sequential Bilateral Cataract Surgery. <i>JAMA Ophthalmology</i> , 2021 , 139, 876-885	3.9	9
155	Endophthalmitis Rate in Immediately Sequential versus Delayed Sequential Bilateral Cataract Surgery within the Intelligent Research in Sight (IRIS) Registry Data. <i>Ophthalmology</i> , 2021 ,	7.3	5
154	Elevated levels of Merkel cell polyoma virus in the anophthalmic conjunctiva. <i>Scientific Reports</i> , 2021 , 11, 15366	4.9	1
153	Relationships Between Sleep, Activity, and Burnout in Ophthalmology Residents. <i>Journal of Surgical Education</i> , 2021 , 78, 1035-1040	3.4	5
152	Gene Therapy Approaches to Slow or Reverse Blindness From Inherited Retinal Degeneration: Growth Factors and Optogenetics. <i>International Ophthalmology Clinics</i> , 2021 , 61, 209-228	1.7	0
151	Hospitalization and mortality associated with SARS-CoV-2 viral clades in COVID-19. <i>Scientific Reports</i> , 2021 , 11, 4802	4.9	28
150	Evolutionary Constraint on Visual and Nonvisual Mammalian Opsins. <i>Journal of Biological Rhythms</i> , 2021 , 36, 109-126	3.2	4
149	Anti-adalimumab Antibodies in Patients with Non-infectious Ocular Inflammatory Disease: A Case Series. <i>Ocular Immunology and Inflammation</i> , 2021 , 1-5	2.8	0
148	Rational laboratory testing in uveitis: A Bayesian analysis. <i>Survey of Ophthalmology</i> , 2021 , 66, 802-825	6.1	2
147	Approach to Cataract Surgery in an Ebola Virus Disease Survivor with Prior Ocular Viral Persistence. <i>Emerging Infectious Diseases</i> , 2020 , 26, 1553-1556	10.2	0
146	Wounding Induces Facultative Opn5-Dependent Circadian Photoreception in the Murine Cornea 2020 , 61, 37		3
145	Adaptive Thermogenesis in Mice Is Enhanced by Opsin 3-Dependent Adipocyte Light Sensing. <i>Cell Reports</i> , 2020 , 30, 672-686.e8	10.6	26
144	Bioluminescence for in vivo detection of cell-type-specific inflammation in a mouse model of uveitis. <i>Scientific Reports</i> , 2020 , 10, 11377	4.9	5

143	Violet-light suppression of thermogenesis by opsin 5 hypothalamic neurons. <i>Nature</i> , 2020 , 585, 420-425	50.4	32
142	Prognostic Utility of Whole-Genome Sequencing and Polymerase Chain Reaction Tests of Ocular Fluids in Postprocedural Endophthalmitis. <i>American Journal of Ophthalmology</i> , 2020 , 217, 325-334	4.9	7
141	Uveitis Therapy With Shark Variable Novel Antigen Receptor Domains Targeting Tumor Necrosis Factor Alpha or Inducible T-Cell Costimulatory Ligand. <i>Translational Vision Science and Technology</i> , 2019 , 8, 11	3.3	4
140	Photopharmacologic Vision Restoration Reduces Pathological Rhythmic Field Potentials in Blind Mouse Retina. <i>Scientific Reports</i> , 2019 , 9, 13561	4.9	10
139	An opsin 5-dopamine pathway mediates light-dependent vascular development in the eye. <i>Nature Cell Biology</i> , 2019 , 21, 420-429	23.4	26
138	Neuropsin (OPN5) Mediates Local Light-Dependent Induction of Circadian Clock Genes and Circadian Photoentrainment in Exposed Murine Skin. <i>Current Biology</i> , 2019 , 29, 3478-3487.e4	6.3	39
137	Infectious corneal ulceration: a proposal for neglected tropical disease status. <i>Bulletin of the World Health Organization</i> , 2019 , 97, 854-856	8.2	29
136	RESPONSE OF INFLAMMATORY CYSTOID MACULAR EDEMA TO TREATMENT USING ORAL ACETAZOLAMIDE. <i>Retina</i> , 2019 , 39, 948-955	3.6	8
135	Swept-Source OCT Angiography of Serpiginous Choroiditis. <i>Ophthalmology Retina</i> , 2018 , 2, 712-719	3.8	29
134	Determinants of Outcomes of Adenoviral Keratoconjunctivitis. <i>Ophthalmology</i> , 2018 , 125, 1344-1353	7.3	26
133	Melanopsin expression in the cornea. <i>Visual Neuroscience</i> , 2018 , 35, E004	1.7	16
132	Use of En Face Swept-Source Optical Coherence Tomography Angiography in Identifying Choroidal Flow Voids in 3 Patients With Birdshot Chorioretinopathy. <i>JAMA Ophthalmology</i> , 2018 , 136, 1288-1292	3.9	26
131	Adrenal and Glucocorticoid Effects on the Circadian Rhythm of Murine Intraocular Pressure 2018 , 59, 5641-5647		7
130	Potential Role of Ocular Microbiome, Host Genotype, Tear Cytokines, and Environmental Factors in Corneal Infiltrative Events in Contact Lens Wearers 2018 , 59, 5752-5761		14
129	Comparison of Aqueous and Vitreous Lymphocyte Populations From Two Rat Models of Experimental Uveitis 2018 , 59, 2504-2511		15
128	Animal Cryptochromes: Divergent Roles in Light Perception, Circadian Timekeeping and Beyond. <i>Photochemistry and Photobiology</i> , 2017 , 93, 128-140	3.6	48
127	An LHX1-Regulated Transcriptional Network Controls Sleep/Wake Coupling and Thermal Resistance of the Central Circadian Clockworks. <i>Current Biology</i> , 2017 , 27, 128-136	6.3	22
126	Uveitis-The Tortured Tale of the Tubercle. <i>JAMA Ophthalmology</i> , 2017 , 135, 1328-1329	3.9	1

125	Light entrainment of the murine intraocular pressure circadian rhythm utilizes non-local mechanisms. <i>PLoS ONE</i> , 2017 , 12, e0184790	3.7	14
124	In Vivo Bioluminescence Imaging for Longitudinal Monitoring of Inflammation in Animal Models of Uveitis 2017 , 58, 1521-1528		20
123	Reply. <i>Ophthalmology</i> , 2017 , 124, e65-e66	7.3	
122	Sarcoid, Bayes, and the Challenges of Laboratory Testing for Uveitis. <i>JAMA Ophthalmology</i> , 2017 , 135, 1359-1360	3.9	
121	Global rise of potential health hazards caused by blue light-induced circadian disruption in modern aging societies. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 9	5.5	75
120	Photopharmacological control of bipolar cells restores visual function in blind mice. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2598-2611	15.9	37
119	Evaluating Access to Eye Care in the Contiguous United States by Calculated Driving Time in the United States Medicare Population. <i>Ophthalmology</i> , 2016 , 123, 2456-2461	7.3	27
118	Ocular Photoreception for Circadian Rhythm Entrainment in Mammals. <i>Annual Review of Vision Science</i> , 2016 , 2, 153-169	8.2	21
117	Melanopsin: The Tale of the Tail. <i>Neuron</i> , 2016 , 90, 909-11	13.9	3
116	Multimodal Imaging in Wagner Syndrome. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2016 , 47, 574-91.4		3
115	Quantitative Assessment of Anterior Segment Inflammation in a Rat Model of Uveitis Using Spectral-Domain Optical Coherence Tomography 2016 , 57, 3567-75		19
114	Paucibacterial Microbiome and Resident DNA Virome of the Healthy Conjunctiva 2016 , 57, 5116-5126		111
113	Scalable metagenomics alignment research tool (SMART): a scalable, rapid, and complete search heuristic for the classification of metagenomic sequences from complex sequence populations. <i>BMC Bioinformatics</i> , 2016 , 17, 292	3.6	18
112	Wide-field optical coherence tomography based microangiography for retinal imaging. <i>Scientific Reports</i> , 2016 , 6, 22017	4.9	89
111	Patterns of Laboratory Testing Utilization Among Uveitis Specialists. <i>American Journal of Ophthalmology</i> , 2016 , 170, 161-167	4.9	17
110	Vision: Melanopsin and the Pharmacology of Photons. <i>Current Biology</i> , 2016 , 26, R804-6	6.3	1
109	Urinary κ -Microglobulin Testing in Pediatric Uveitis: A Case Report of a 9-Year-Old Boy with Renal and Ocular Sarcoidosis. <i>Case Reports in Ophthalmology</i> , 2015 , 6, 101-5	0.7	13
108	Vision Science: Can Rhodopsin Cure Blindness?. <i>Current Biology</i> , 2015 , 25, R713-5	6.3	

107	Type I intrinsically photosensitive retinal ganglion cells of early post-natal development correspond to the M4 subtype. <i>Neural Development</i> , 2015 , 10, 17	3.9	18
106	Emerging techniques for pathogen discovery in endophthalmitis. <i>Current Opinion in Ophthalmology</i> , 2015 , 26, 221-5	5.1	25
105	A Rayleigh Scatter-Based Ocular Flare Analysis Meter for Flare Photometry of the Anterior Chamber. <i>Translational Vision Science and Technology</i> , 2015 , 4, 7	3.3	5
104	G-Protein Coupled Receptor Kinase 2 Minimally Regulates Melanopsin Activity in Intrinsically Photosensitive Retinal Ganglion Cells. <i>PLoS ONE</i> , 2015 , 10, e0128690	3.7	12
103	Primed Mycobacterial Uveitis (PMU): Histologic and Cytokine Characterization of a Model of Uveitis in Rats 2015 , 56, 8438-48		19
102	Comparative Proteomic Analysis of Two Uveitis Models in Lewis Rats 2015 , 56, 8449-56		13
101	Neurospins (OPN5)-mediated photoentrainment of local circadian oscillators in mammalian retina and cornea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13093-8	11.5	81
100	Photochemical approaches to vision restoration. <i>Vision Research</i> , 2015 , 111, 134-41	2.1	17
99	Identification of torque teno virus in culture-negative endophthalmitis by representational deep DNA sequencing. <i>Ophthalmology</i> , 2015 , 122, 524-30	7.3	68
98	A tablet that shifts the clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 946-7	11.5	8
97	Restoring visual function to blind mice with a photoswitch that exploits electrophysiological remodeling of retinal ganglion cells. <i>Neuron</i> , 2014 , 81, 800-13	13.9	134
96	Expert panel recommendations for the use of anti-tumor necrosis factor biologic agents in patients with ocular inflammatory disorders. <i>Ophthalmology</i> , 2014 , 121, 785-96.e3	7.3	308
95	Author reply: To PMID 24359625. <i>Ophthalmology</i> , 2014 , 121, e58-9	7.3	
94	Retinal neovascularization and endogenous fungal endophthalmitis in intravenous drug users. <i>Ophthalmology</i> , 2014 , 121, 1847-8.e2	7.3	6
93	HLA-B27 and human β_2 -microglobulin affect the gut microbiota of transgenic rats. <i>PLoS ONE</i> , 2014 , 9, e105684	3.7	167
92	Local photic entrainment of the retinal circadian oscillator in the absence of rods, cones, and melanopsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8625-30	11.5	32
91	The making of the master clock. <i>ELife</i> , 2014 , 3, e04014	8.9	2
90	A diagnostic dilemma: infectious versus noninfectious multifocal choroiditis with panuveitis. <i>Journal of Ophthalmic Inflammation and Infection</i> , 2013 , 3, 26	2.3	5

89	Role of molecular diagnostics in ocular microbiology. <i>Current Ophthalmology Reports</i> , 2013 , 1, 181	1.8	46
88	Acute Retinal Necrosis Syndrome 2013 , 1523-1531		1
87	Ramshackle (Brwd3) promotes light-induced ubiquitylation of Drosophila Cryptochrome by DDB1-CUL4-ROC1 E3 ligase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4980-5	11.5	45
86	Photochemical restoration of visual responses in blind mice. <i>Neuron</i> , 2012 , 75, 271-82	13.9	178
85	Uveitis is a subspeciality. <i>Ophthalmology</i> , 2012 , 119, 887-8; author reply 888	7.3	1
84	Efficacy and potential complications of difluprednate use for pediatric uveitis. <i>American Journal of Ophthalmology</i> , 2012 , 153, 932-8	4.9	56
83	Effect of circadian clock gene mutations on nonvisual photoreception in the mouse 2012 , 53, 454-60		15
82	Postcataract surgical inflammation. <i>Current Opinion in Ophthalmology</i> , 2012 , 23, 12-8	5.1	28
81	Melanopsin and mechanisms of non-visual ocular photoreception. <i>Journal of Biological Chemistry</i> , 2012 , 287, 1649-56	5.4	54
80	Melanopsin is highly resistant to light and chemical bleaching in vivo. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20888-97	5.4	40
79	Diagnostic and therapeutic challenges. <i>Retina</i> , 2012 , 32, 1028-32	3.6	1
78	Biome representational in silico karyotyping. <i>Genome Research</i> , 2011 , 21, 626-33	9.7	14
77	Ocular sarcoidosis 2010 , 666-671		
76	Melanopsin-dependent light avoidance in neonatal mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17374-8	11.5	105
75	Ocular pathogens for the twenty-first century. <i>American Journal of Ophthalmology</i> , 2010 , 150, 595-7	4.9	11
74	Journal Watch 18(1). <i>Ocular Immunology and Inflammation</i> , 2010 , 18, 66-68	2.8	
73	Diagnostic and therapeutic challenges. Acute onset panuveitis. <i>Retina</i> , 2010 , 30, 364-8	3.6	1
72	Has the polymerase chain reaction come of age for ophthalmology?. <i>American Journal of Ophthalmology</i> , 2009 , 147, 5-7	4.9	6

71	Cataract surgery in the setting of uveitis. <i>Current Opinion in Ophthalmology</i> , 2009 , 20, 42-5	5.1	40
70	Non-visual photoreception: sensing light without sight. <i>Current Biology</i> , 2008 , 18, R38-9	6.3	15
69	Idiopathic no more: clues to the pathogenesis of Fuchs heterochromic iridocyclitis and glaucomatocyclitic crisis. <i>American Journal of Ophthalmology</i> , 2008 , 145, 769-71	4.9	33
68	Absence of long-wavelength photic potentiation of murine intrinsically photosensitive retinal ganglion cell firing in vitro. <i>Journal of Biological Rhythms</i> , 2008 , 23, 387-91	3.2	37
67	Actinomyces israelii endogenous endophthalmitis. <i>British Journal of Ophthalmology</i> , 2008 , 92, 427-8	5.5	8
66	Cryptochromes and Inner Retinal Non-Visual Irradiance Detection. <i>Novartis Foundation Symposium</i> , 2008 , 31-51		4
65	Aqueous and vitreous concentrations following topical administration of 1% voriconazole in humans. <i>JAMA Ophthalmology</i> , 2008 , 126, 18-22		82
64	Posterior Segment Uveitis 2008 , 301-315		
63	Prospective comparison of microbial culture and polymerase chain reaction in the diagnosis of corneal ulcer. <i>American Journal of Ophthalmology</i> , 2008 , 146, 714-23, 723.e1	4.9	52
62	The imprinted gene Magel2 regulates normal circadian output. <i>Nature Genetics</i> , 2007 , 39, 1266-72	36.3	148
61	Melanopsin-dependent persistence and photopotential of murine pupillary light responses. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 1268-75		41
60	Action spectrum of Drosophila cryptochrome. <i>Journal of Biological Chemistry</i> , 2007 , 282, 10561-6	5.4	46
59	Colin pittendrigh: The lion in winter 2006 , 11, 14-21		
58	Abnormal anterior chamber associated immune deviation (ACAID) in 129-strain mice. <i>Ocular Immunology and Inflammation</i> , 2006 , 14, 7-12	2.8	
57	Inner retinal photoreception independent of the visual retinoid cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10426-10431	11.5	51
56	Timeless genes and jetlag. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17583-4	11.5	3
55	Metaplastic squamous epithelial downgrowth after clear corneal cataract surgery. <i>American Journal of Ophthalmology</i> , 2006 , 142, 695-7	4.9	10
54	Rubeosis and anterior segment ischemia associated with systemic cryoglobulinemia. <i>American Journal of Ophthalmology</i> , 2006 , 142, 689-90	4.9	10

53	Impact of being "on call". <i>Ophthalmology</i> , 2006 , 113, 889-90.e2	7.3	4
52	Acute Retinal Necrosis Syndrome 2006 , 1673-1681		
51	Diagnostic and Therapeutic Vitrectomy for Uveitis 2006 , 2277-2282		
50	Journal watch. <i>Ocular Immunology and Inflammation</i> , 2005 , 13, 493-6	2.8	
49	Physiologic diversity and development of intrinsically photosensitive retinal ganglion cells. <i>Neuron</i> , 2005 , 48, 987-99	13.9	185
48	Sleep Disturbances: Author reply. <i>Ophthalmology</i> , 2005 , 112, 1848-1849	7.3	
47	Presumed ocular histoplasmosis syndrome. <i>Current Opinion in Ophthalmology</i> , 2005 , 16, 364-8	5.1	21
46	Animal Cryptochromes 2005 , 259-276		2
45	Journal watch. <i>Ocular Immunology and Inflammation</i> , 2005 , 13, 261-3	2.8	
44	Pharmacological and rAAV gene therapy rescue of visual functions in a blind mouse model of Leber congenital amaurosis. <i>PLoS Medicine</i> , 2005 , 2, e333	11.6	104
43	Bilateral choroiditis from <i>Prototheca wickerhamii</i> algaemia. <i>JAMA Ophthalmology</i> , 2005 , 123, 1138-41		12
42	Nonvisual ocular photoreception in the mammal. <i>Methods in Enzymology</i> , 2005 , 393, 746-55	1.7	25
41	Lecithin-retinol acyltransferase is essential for accumulation of all-trans-retinyl esters in the eye and in the liver. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10422-32	5.4	273
40	Effect of vitamin A depletion on nonvisual phototransduction pathways in cryptochromeless mice. <i>Journal of Biological Rhythms</i> , 2004 , 19, 504-17	3.2	22
39	Clean thoughts about dirty genes. <i>Journal of Biological Rhythms</i> , 2004 , 19, 3-9	3.2	9
38	Journal watch. <i>Ocular Immunology and Inflammation</i> , 2004 , 12, 159-162	2.8	
37	Nonvisual photoreception in the chick iris. <i>Science</i> , 2004 , 306, 129-31	33.3	47
36	Resetting the clock: <i>Dexas1</i> defines a path. <i>Neuron</i> , 2004 , 43, 603-4	13.9	4

35	Sleep disturbances in young subjects with visual dysfunction. <i>Ophthalmology</i> , 2004 , 111, 297-302; discussion 302-3	7.3	45
34	Diagnosis of microsporidia keratitis by polymerase chain reaction. <i>JAMA Ophthalmology</i> , 2004 , 122, 283-4		16
33	Recent insights into mammalian circadian rhythms. <i>Sleep</i> , 2004 , 27, 166-71	1.1	16
32	Reduced pupillary light responses in mice lacking cryptochromes. <i>Science</i> , 2003 , 299, 222	33.3	75
31	Cme review: polymerase chain reaction diagnostics for posterior segment disease. <i>Retina</i> , 2003 , 23, 445-50	5.8	27
30	Melanopsin is required for non-image-forming photic responses in blind mice. <i>Science</i> , 2003 , 301, 525-7	33.3	567
29	Correlation of visual and refractive outcomes between eyes after same-session bilateral laser in situ keratomileusis surgery. <i>American Journal of Ophthalmology</i> , 2003 , 135, 577-83	4.9	4
28	Making (a) sense of non-visual ocular photoreception. <i>Trends in Neurosciences</i> , 2003 , 26, 458-61	13.3	34
27	Circadian rhythms: in the loop at last. <i>Science</i> , 2003 , 300, 1534-5	33.3	62
26	Cryptochromes and inner retinal non-visual irradiance detection. <i>Novartis Foundation Symposium</i> , 2003 , 253, 31-42; discussion 42-55, 102-9, 281-4		1
25	Muscle expression of human retinol-binding protein (RBP). Suppression of the visual defect of RBP knockout mice. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30191-7	5.4	40
24	Influence of the period-dependent circadian clock on diurnal, circadian, and aperiodic gene expression in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 9562-7	11.5	162
23	Tales from the crypt(ochromes). <i>Journal of Biological Rhythms</i> , 2002 , 17, 110-20	3.2	30
22	Real-time quantitative polymerase chain reaction diagnosis of infectious posterior uveitis. <i>JAMA Ophthalmology</i> , 2002 , 120, 1534-9		60
21	Koch's postulates and the polymerase chain reaction. <i>Ocular Immunology and Inflammation</i> , 2002 , 10, 235-8	2.8	9
20	Pleiotropic effects of cryptochromes 1 and 2 on free-running and light-entrained murine circadian rhythms. <i>Journal of Neurogenetics</i> , 2002 , 16, 181-203	1.6	27
19	Comparison of photorefractive keratectomy, astigmatic PRK, laser in situ keratomileusis, and astigmatic LASIK in the treatment of myopia. <i>Journal of Cataract and Refractive Surgery</i> , 2002 , 28, 462-76	2.3	32
18	Astigmatic changes after excimer laser refractive surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2002 , 28, 477-84	2.3	3

17	Loss of photic entrainment and altered free-running circadian rhythms in math5 ^{-/-} mice. <i>Journal of Neuroscience</i> , 2002 , 22, 10427-33	6.6	49
16	Preservation of light signaling to the suprachiasmatic nucleus in vitamin A-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 11708-13	11.5	59
15	Herpes simplex virus type 2 as a cause of acute retinal necrosis syndrome in young patients. <i>Ophthalmology</i> , 2001 , 108, 869-76	7.3	123
14	Applications of the polymerase chain reaction to diagnosis of ophthalmic disease. <i>Survey of Ophthalmology</i> , 2001 , 46, 248-58	6.1	74
13	Frontiers of polymerase chain reaction diagnostics for uveitis. <i>Ocular Immunology and Inflammation</i> , 2001 , 9, 67-73	2.8	5
12	Non-visual ocular photoreception. <i>Ophthalmic Genetics</i> , 2001 , 22, 195-205	1.2	22
11	Guidelines for the use of immunosuppressive drugs in patients with ocular inflammatory disorders: recommendations of an expert panel. <i>American Journal of Ophthalmology</i> , 2000 , 130, 492-513	4.9	711
10	Discussion by Russell N. Van Gelder MD, PhD. <i>Ophthalmology</i> , 2000 , 107, 1051-1052	7.3	15
9	Functional redundancy of cryptochromes and classical photoreceptors for nonvisual ocular photoreception in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 14697-702	11.5	151
8	Neural network computer program to determine photorefractive keratectomy nomograms. <i>Journal of Cataract and Refractive Surgery</i> , 1998 , 24, 917-24	2.3	11
7	Application of the polymerase chain reaction to the diagnosis of uveitis. <i>Ocular Immunology and Inflammation</i> , 1998 , 6, 129-34	2.8	6
6	Partners in time. Circadian rhythms. <i>Current Biology</i> , 1996 , 6, 244-6	6.3	6
5	Extent and character of circadian gene expression in <i>Drosophila melanogaster</i> : identification of twenty oscillating mRNAs in the fly head. <i>Current Biology</i> , 1995 , 5, 1424-36	6.3	56
4	Real-time automated sleep scoring: validation of a microcomputer-based system for mice. <i>Sleep</i> , 1991 , 14, 48-55	1.1	49
3	Amplified RNA synthesized from limited quantities of heterogeneous cDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 1663-7	11.5	1086
2	Factors affecting plasma benzo[a]pyrene levels in environmental studies. <i>Environmental Research</i> , 1983 , 32, 104-10	7.9	26
1	An adipocyte light-Opn3 pathway regulates the circadian clock and energy balance		1