

# Paul S Bernstein

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

177  
papers

9,228  
citations

48  
h-index

92  
g-index

186  
ext. papers

10,428  
ext. citations

5.8  
avg. IF

5.97  
L-index

#	Paper	IF	Citations
177	Nourishing Better Vision: The ARVO 2021 Mildred Weisenfeld Award Lecture. <b>2022</b> , 63, 13		
176	Extraction, detection, and imaging of the macular carotenoids. <i>Methods in Enzymology</i> , <b>2022</b> ,	1.7	
175	HDL is the primary transporter for carotenoids from liver to retinal pigment epithelium in transgenic ApoA-I/Bco2 mice.. <i>Archives of Biochemistry and Biophysics</i> , <b>2021</b> , 716, 109111	4.1	2
174	Membrane cholesterol regulates TRPV4 function, cytoskeletal expression, and the cellular response to tension. <i>Journal of Lipid Research</i> , <b>2021</b> , 100145	6.3	4
173	The Lutein and Zeaxanthin in Pregnancy (L-ZIP) study-carotenoid supplementation during pregnancy: ocular and systemic effects-study protocol for a randomized controlled trial. <i>Trials</i> , <b>2021</b> , 22, 300	2.8	6
172	The emerging roles of the macular pigment carotenoids throughout the lifespan and in prenatal supplementation. <i>Journal of Lipid Research</i> , <b>2021</b> , 62, 100038	6.3	8
171	Fluorescence lifetime imaging ophthalmoscopy: autofluorescence imaging and beyond. <i>Eye</i> , <b>2021</b> , 35, 93-109	4.4	9
170	Intentional retinal injury with handheld lasers is an underrecognized form of self-harm. <i>Journal of Affective Disorders</i> , <b>2021</b> , 281, 503-504	6.6	1
169	Retinal bioavailability and functional effects of a synthetic very-long-chain polyunsaturated fatty acid in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	6
168	Lutein and zeaxanthin reduce A2E and iso-A2E levels and improve visual performance in Abca4/Bco2 double knockout mice. <i>Experimental Eye Research</i> , <b>2021</b> , 209, 108680	3.7	7
167	The synthesis of the very long chain polyunsaturated fatty acid (VLC-PUFA) 32:6 n-3. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 5563-5566	3.9	1
166	Imaging lutein and zeaxanthin in the human retina with confocal resonance Raman microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 12352-12358	11.5	28
165	Spatial distribution of macular pigment estimated by autofluorescence imaging in elderly Japanese individuals. <i>Japanese Journal of Ophthalmology</i> , <b>2020</b> , 64, 160-170	2.6	6
164	Effect of an antioxidant supplement containing high dose lutein and zeaxanthin on macular pigment and skin carotenoid levels. <i>Scientific Reports</i> , <b>2020</b> , 10, 10262	4.9	15
163	Quantification of RPE Changes in Choroideremia Using a Photoshop-Based Method. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 21	3.3	2
162	The macular carotenoids: A biochemical overview. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2020</b> , 1865, 158617	5	39
161	FLUORESCENCE LIFETIME IMAGING OPHTHALMOSCOPY (FLIO) PATTERNS IN CLINICALLY UNAFFECTED CHILDREN OF MACULAR TELANGIECTASIA TYPE 2 (MACTEL) PATIENTS. <i>Retina</i> , <b>2020</b> , 40, 695-704	3.6	5

160	Retinal laser services in Bhutan: a 3-year national survey. <i>BMC Ophthalmology</i> , <b>2020</b> , 20, 404	2.3	0
159	Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) in Patients with Choroideremia. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 33	3.3	3
158	Autofluorescence Lifetimes Measured with Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) Are Affected by Age, but Not by Pigmentation or Gender. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 2	3.3	5
157	A connectomics approach to understanding a retinal disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 18780-18787	11.5	3
156	Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) in Eyes With Pigment Epithelial Detachments Due to Age-Related Macular Degeneration <b>2019</b> , 60, 3054-3063		12
155	Serine and Lipid Metabolism in Macular Disease and Peripheral Neuropathy. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 1422-1433	59.2	91
154	Ocular Carotenoid Status in Health and Disease. <i>Annual Review of Nutrition</i> , <b>2019</b> , 39, 95-120	9.9	10
153	Progressive optic nerve changes in cavitory optic disc anomaly: integration of copy number alteration and cis-expression quantitative trait loci to assess disease etiology. <i>BMC Medical Genetics</i> , <b>2019</b> , 20, 63	2.1	0
152	n-3 PUFA Supplementation Alters Retinal Very-Long-Chain-PUFA Levels and Ratios in Diabetic Animal Models. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1801058	5.9	6
151	Progression of Stargardt Disease as Determined by Fundus Autofluorescence Over a 12-Month Period: ProgStar Report No. 11. <i>JAMA Ophthalmology</i> , <b>2019</b> , 137, 1134-1145	3.9	35
150	Imaging of Hydroxychloroquine Toxicity with Fluorescence Lifetime Imaging Ophthalmoscopy. <i>Ophthalmology Retina</i> , <b>2019</b> , 3, 814-825	3.8	9
149	Fluorophores in the Eye <b>2019</b> , 35-48		
148	Skin Carotenoid Index in a large Japanese population sample. <i>Scientific Reports</i> , <b>2019</b> , 9, 9318	4.9	11
147	Macular Pigment <b>2019</b> , 99-105		
146	Macular Telangiectasia Type 2 <b>2019</b> , 79-87		
145	Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) <b>2019</b> , 213-235		3
144	Standardizing the Assessment of Macular Pigment Using a Dual-Wavelength Autofluorescence Technique. <i>Translational Vision Science and Technology</i> , <b>2019</b> , 8, 41	3.3	19
143	ABSENCE OF MACULAR DEGENERATION IN A PATIENT WITH ACERULOPLASMINEMIA. <i>Retina</i> , <b>2019</b> , 39, 1824-1828	3.6	3

142	Long-term follow-up of autosomal dominant Stargardt macular dystrophy (STGD3) subjects enrolled in a fish oil supplement interventional trial. <i>Ophthalmic Genetics</i> , <b>2018</b> , 39, 307-313	1.2	7
141	Fluorescence Lifetime Imaging Ophthalmoscopy: A Novel Way to Assess Macular Telangiectasia Type 2. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 587-598	3.8	43
140	What do we know about the macular pigment in AMD: the past, the present, and the future. <i>Eye</i> , <b>2018</b> , 32, 992-1004	4.4	42
139	Optical assessment of skin carotenoid status as a biomarker of vegetable and fruit intake. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 646, 46-54	4.1	34
138	FUNDUS-WIDE SUBRETINAL AND PIGMENT EPITHELIAL ABNORMALITIES IN MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , <b>2018</b> , 38 Suppl 1, S105-S113	3.6	8
137	Supplementation with macular carotenoids improves visual performance of transgenic mice. <i>Archives of Biochemistry and Biophysics</i> , <b>2018</b> , 649, 22-28	4.1	18
136	Genetic Penetrance of Macular Telangiectasia Type 2. <i>JAMA Ophthalmology</i> , <b>2018</b> , 136, 1158-1163	3.9	12
135	Grade of Cataract and Its Influence on Measurement of Macular Pigment Optical Density Using Autofluorescence Imaging <b>2018</b> , 59, 3011-3019		11
134	Effect of Oral Valproic Acid vs Placebo for Vision Loss in Patients With Autosomal Dominant Retinitis Pigmentosa: A Randomized Phase 2 Multicenter Placebo-Controlled Clinical Trial. <i>JAMA Ophthalmology</i> , <b>2018</b> , 136, 849-856	3.9	24
133	Review of clinical approaches in fluorescence lifetime imaging ophthalmoscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-20	3.5	29
132	Patterns of Fundus Autofluorescence Lifetimes In Eyes of Individuals With Nonexudative Age-Related Macular Degeneration <b>2018</b> , 59, AMD65-AMD77		40
131	Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO) of Macular Pigment <b>2018</b> , 59, 3094-3103		37
130	Characterization of Retinitis Pigmentosa Using Fluorescence Lifetime Imaging Ophthalmoscopy (FLIO). <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 20	3.3	24
129	Optical Detection of Macular Pigment Formation in Premature Infants. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 3	3.3	4
128	Effect of Haptic-Interface Virtual Kinematics on the Performance and Preference of Novice Users in Telemanipulated Retinal Surgery. <i>IEEE Robotics and Automation Letters</i> , <b>2017</b> , 2, 64-71	4.2	2
127	The Age-Related Eye Disease 2 Study: Micronutrients in the Treatment of Macular Degeneration. <i>Advances in Nutrition</i> , <b>2017</b> , 8, 40-53	10	61
126	MACULAR PIGMENT DISTRIBUTION RESPONSES TO HIGH-DOSE ZEAXANTHIN SUPPLEMENTATION IN PATIENTS WITH MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , <b>2017</b> , 37, 2238-2247	3.6	18
125	Retinal accumulation of zeaxanthin, lutein, and $\beta$ -carotene in mice deficient in carotenoid cleavage enzymes. <i>Experimental Eye Research</i> , <b>2017</b> , 159, 123-131	3.7	36

124	All three human scavenger receptor class B proteins can bind and transport all three macular xanthophyll carotenoids. <i>Archives of Biochemistry and Biophysics</i> , <b>2017</b> , 634, 21-28	4.1	27
123	Towards Treatment of Stargardt Disease: Workshop Organized and Sponsored by the Foundation Fighting Blindness. <i>Translational Vision Science and Technology</i> , <b>2017</b> , 6, 6	3.3	36
122	RPE65 has an additional function as the lutein to -zeaxanthin isomerase in the vertebrate eye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10882-10887	11.5	63
121	Correlations Between Macular, Skin, and Serum Carotenoids <b>2017</b> , 58, 3616-3627		30
120	Interactome Mapping Guided by Tissue-Specific Phosphorylation in Age-Related Macular Degeneration. <i>International Journal of Scientific and Engineering Research</i> , <b>2017</b> , 8, 680-699	1.8	6
119	Mouse Models of Stargardt 3 Dominant Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 854, 137-43	3.6	2
118	Macular Carotenoids <b>2016</b> , 59-74		1
117	Crystalline Maculopathy Associated With High-Dose Lutein Supplementation. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 1445-1448	3.9	21
116	A Compact Telemanipulated Retinal-Surgery System that Uses Commercially Available Instruments with a Quick-Change Adapter. <i>Journal of Medical Robotics Research</i> , <b>2016</b> , 01, 1630001	1.1	12
115	Prohibitin as the Molecular Binding Switch in the Retinal Pigment Epithelium. <i>Protein Journal</i> , <b>2016</b> , 35, 1-16	3.9	18
114	The Natural History of the Progression of Atrophy Secondary to Stargardt Disease (ProgStar) Studies: Design and Baseline Characteristics: ProgStar Report No. 1. <i>Ophthalmology</i> , <b>2016</b> , 123, 817-28	7.3	94
113	Associations of human retinal very long-chain polyunsaturated fatty acids with dietary lipid biomarkers. <i>Journal of Lipid Research</i> , <b>2016</b> , 57, 499-508	6.3	40
112	Lutein, zeaxanthin, and meso-zeaxanthin: The basic and clinical science underlying carotenoid-based nutritional interventions against ocular disease. <i>Progress in Retinal and Eye Research</i> , <b>2016</b> , 50, 34-66	20.5	292
111	Relationship between Concentrations of Lutein and StARD3 among Pediatric and Geriatric Human Brain Tissue. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155488	3.7	19
110	Skin Carotenoids as Biomarker for Vegetable and Fruit Intake: Validation of the Reflection-Spectroscopy Based Veggie Meter <i>FASEB Journal</i> , <b>2016</b> , 30, 409.3	0.9	12
109	Relationship between concentrations of lutein and StARD3 among pediatric and geriatric human brain tissue. <i>FASEB Journal</i> , <b>2016</b> , 30, 913.7	0.9	1
108	Protein-Flavonoid Interaction Studies by a Taylor Dispersion Surface Plasmon Resonance (SPR) Technique: A Novel Method to Assess Biomolecular Interactions. <i>Biosensors</i> , <b>2016</b> , 6,	5.9	12
107	Developmentally Regulated Production of meso-Zeaxanthin in Chicken Retinal Pigment Epithelium/Choroid and Retina <b>2016</b> , 57, 1853-61		20

106	Structure of the lutein-binding domain of human StARD3 at 1.74 Å resolution and model of a complex with lutein. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2016</b> , 72, 609-18 <sup>1</sup>	3.1	31
105	Altered Cytoskeleton as a Mitochondrial Decay Signature in the Retinal Pigment Epithelium. <i>Protein Journal</i> , <b>2016</b> , 35, 179-92	3.9	15
104	Surface plasmon resonance (SPR)-based biosensor technology for the quantitative characterization of protein-carotenoid interactions. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 572, 66-72	4.1	28
103	Adaptive optics microperimetry and OCT images show preserved function and recovery of cone visibility in macular telangiectasia type 2 retinal lesions. <i>Investigative Ophthalmology and Visual Science</i> , <b>2015</b> , 56, 778-86		67
102	Solubilization and stabilization of macular carotenoids by water soluble oligosaccharides and polysaccharides. <i>Archives of Biochemistry and Biophysics</i> , <b>2015</b> , 572, 58-65	4.1	43
101	Effect of Omega-3 Fatty Acids, Lutein/Zeaxanthin, or Other Nutrient Supplementation on Cognitive Function: The AREDS2 Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 314, 791-801	27.4	109
100	Changes in Macular Pigment Optical Density and Serum Lutein Concentration in Japanese Subjects Taking Two Different Lutein Supplements. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139257	3.7	20
99	Effect of age and other factors on macular pigment optical density measured with resonance Raman spectroscopy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 252, 1221-8	3.8	15
98	A missense mutation in HK1 leads to autosomal dominant retinitis pigmentosa <b>2014</b> , 55, 7159-64		20
97	Carotenoids and Age-Related Macular Degeneration <b>2014</b> , 77-84		0
96	Nutrient Supplementation for Age-related Macular Degeneration, Cataract, and Dry Eye. <i>Journal of Ophthalmic and Vision Research</i> , <b>2014</b> , 9, 487-93	1.2	23
95	Genetic evidence for role of carotenoids in age-related macular degeneration in the Carotenoids in Age-Related Eye Disease Study (CAREDS) <b>2014</b> , 55, 587-99		91
94	Inactivity of human β-carotene-9',10'-dioxygenase (BCO2) underlies retinal accumulation of the human macular carotenoid pigment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10173-8	11.5	85
93	Secondary analyses of the effects of lutein/zeaxanthin on age-related macular degeneration progression: AREDS2 report No. 3. <i>JAMA Ophthalmology</i> , <b>2014</b> , 132, 142-9	3.9	254
92	Effect of age and other factors on macular pigment optical density measured with resonance Raman spectroscopy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2014</b> , 252, 1867	3.8	1
91	Optogenetics for retinal disorders. <i>Journal of Ophthalmic and Vision Research</i> , <b>2014</b> , 9, 374-82	1.2	13
90	Carotenoids as possible interphotoreceptor retinoid-binding protein (IRBP) ligands: a surface plasmon resonance (SPR) based study. <i>Archives of Biochemistry and Biophysics</i> , <b>2013</b> , 539, 181-6	4.1	33
89	Rethinking A2E <b>2013</b> , 54, 5543		16

88	Comprehensive and sensitive quantification of long-chain and very long-chain polyunsaturated fatty acids in small samples of human and mouse retina. <i>Journal of Chromatography A</i> , <b>2013</b> , 1307, 191-200	4.5	23
87	Lutein/zeaxanthin for the treatment of age-related cataract: AREDS2 randomized trial report no. 4. <i>JAMA Ophthalmology</i> , <b>2013</b> , 131, 843-50	3.9	96
86	Interrelationships between maternal carotenoid status and newborn infant macular pigment optical density and carotenoid status <b>2013</b> , 54, 5568-78		44
85	Genetic determinants of macular pigments in women of the Carotenoids in Age-Related Eye Disease Study <b>2013</b> , 54, 2333-45		68
84	Blue-light reflectance imaging of macular pigment in infants and children <b>2013</b> , 54, 4034-40		43
83	Reflection-based imaging of macular pigment distributions in infants and children. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 116001	3.5	6
82	A rare nonsynonymous sequence variant in C3 is associated with high risk of age-related macular degeneration. <i>Nature Genetics</i> , <b>2013</b> , 45, 1371-4	36.3	104
81	Role of ELOVL4 and very long-chain polyunsaturated fatty acids in mouse models of Stargardt type 3 retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5181-6	11.5	47
80	Resonance Raman spectroscopy and the preterm infant carotenoid status. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2013</b> , 56, 556-9	2.8	14
79	Resonance Raman based skin carotenoid measurements in newborns and infants. <i>Journal of Biophotonics</i> , <b>2013</b> , 6, 793-802	3.1	13
78	Bundling hand hygiene interventions and measurement to decrease health care-associated infections. <i>American Journal of Infection Control</i> , <b>2012</b> , 40, S18-27	3.8	69
77	Surface plasmon resonance (SPR) studies on the interactions of carotenoids and their binding proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2012</b> , 519, 32-7	4.1	31
76	Microbial carotenoids. <i>Methods in Molecular Biology</i> , <b>2012</b> , 898, 41-59	1.4	43
75	Macular pigment imaging in AREDS2 participants: an ancillary study of AREDS2 subjects enrolled at the Moran Eye Center <b>2012</b> , 53, 6178-86		33
74	Quantification of macular carotenoids using autofluorescence imaging in patients with photosensitive migraine and benign essential blepharospasm. <i>JAMA Ophthalmology</i> , <b>2012</b> , 130, 259-60		5
73	Identification of a potential susceptibility locus for macular telangiectasia type 2. <i>PLoS ONE</i> , <b>2012</b> , 7, e24268	3.7	29
72	Macular Pigment Carotenoids and Their Roles in Human Eye Health and Diseases <b>2012</b> , 613-627		
71	26th Hohenheim Consensus Conference, September 11, 2010 Scientific substantiation of health claims: evidence-based nutrition. <i>Nutrition</i> , <b>2011</b> , 27, S1-20	4.8	45



70	Identification of StARD3 as a lutein-binding protein in the macula of the primate retina. <i>Biochemistry</i> , <b>2011</b> , 50, 2541-9	3.2	144
69	Role of long-chain and very-long-chain polyunsaturated fatty acids in macular degenerations and dystrophies. <i>Clinical Lipidology</i> , <b>2011</b> , 6, 593-613		7
68	Noninvasive assessment of dermal carotenoids as a biomarker of fruit and vegetable intake. <i>American Journal of Clinical Nutrition</i> , <b>2010</b> , 92, 794-800	7	112
67	Genome-wide association study of advanced age-related macular degeneration identifies a role of the hepatic lipase gene (LIPC). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 7395-400	11.5	345
66	Studies on the singlet oxygen scavenging mechanism of human macular pigment. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 504, 56-60	4.1	103
65	Significant correlations of dermal total carotenoids and dermal lycopene with their respective plasma levels in healthy adults. <i>Archives of Biochemistry and Biophysics</i> , <b>2010</b> , 504, 34-9	4.1	58
64	Long-chain and very long-chain polyunsaturated fatty acids in ocular aging and age-related macular degeneration. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 3217-29	6.3	90
63	Human ocular carotenoid-binding proteins. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 1418-25	4.2	76
62	The value of measurement of macular carotenoid pigment optical densities and distributions in age-related macular degeneration and other retinal disorders. <i>Vision Research</i> , <b>2010</b> , 50, 716-28	2.1	100
61	Purification and partial characterization of a lutein-binding protein from human retina. <i>Biochemistry</i> , <b>2009</b> , 48, 4798-807	3.2	86
60	Retinal carotenoids can attenuate formation of A2E in the retinal pigment epithelium. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 483, 175-81	4.1	71
59	Macular carotenoid levels of normal subjects and age-related maculopathy patients in a Japanese population. <i>Ophthalmology</i> , <b>2008</b> , 115, 147-57	7.3	81
58	Transport and retinal capture of lutein and zeaxanthin with reference to age-related macular degeneration. <i>Survey of Ophthalmology</i> , <b>2008</b> , 53, 68-81	6.1	90
57	Resonance Raman imaging of macular pigment distributions in the human retina. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2008</b> , 25, 947-57	1.8	44
56	Toll-like receptor 3 and geographic atrophy in age-related macular degeneration. <i>New England Journal of Medicine</i> , <b>2008</b> , 359, 1456-63	59.2	180
55	Promoter polymorphism of the erythropoietin gene in severe diabetic eye and kidney complications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6998-7003	11.5	157
54	Verteporfin photodynamic therapy involving the optic nerve for peripapillary choroidal neovascularization. <i>Retina</i> , <b>2008</b> , 28, 81-4	3.6	24
53	Macular and serum carotenoid concentrations in patients with malabsorption syndromes. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , <b>2008</b> , 1, 12-8		9



52	Identification and metabolic transformations of carotenoids in ocular tissues of the Japanese quail <i>Coturnix japonica</i> . <i>Biochemistry</i> , <b>2007</b> , 46, 9050-7	3.2	49
51	Identification of 3-methoxyzeaxanthin as a novel age-related carotenoid metabolite in the human macula. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 1435-40		28
50	Photophysical Properties of Xanthophylls in Carotenoproteins from Human Retina. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 78, 138-145	3.6	5
49	HPLC measurement of ocular carotenoid levels in human donor eyes in the lutein supplementation era. <i>Investigative Ophthalmology and Visual Science</i> , <b>2007</b> , 48, 543-9		43
48	HTRA1 variant confers similar risks to geographic atrophy and neovascular age-related macular degeneration. <i>Cell Cycle</i> , <b>2007</b> , 6, 1122-5	4.7	99
47	Retinol-binding protein and retinol analysis in cerebrospinal fluid and serum of patients with and without idiopathic intracranial hypertension. <i>Journal of Neuro-Ophthalmology</i> , <b>2007</b> , 27, 258-62	2.6	40
46	Diagnostic & therapeutic challenges. Tamoxifen toxicity. <i>Retina</i> , <b>2007</b> , 27, 982-8	3.6	10
45	Vertebrate and invertebrate carotenoid-binding proteins. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 458, 121-7	4.1	63
44	Association of adipose and red blood cell lipids with severity of dominant Stargardt macular dystrophy (STGD3) secondary to an ELOVL4 mutation. <i>JAMA Ophthalmology</i> , <b>2006</b> , 124, 257-63		26
43	A variant of the HTRA1 gene increases susceptibility to age-related macular degeneration. <i>Science</i> , <b>2006</b> , 314, 992-3	33.3	648
42	Nonmydriatic fluorescence-based quantitative imaging of human macular pigment distributions. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2006</b> , 23, 2373-87	1.8	56
41	Assessment of the validity of in vivo methods of measuring human macular pigment optical density. <i>Optometry and Vision Science</i> , <b>2006</b> , 83, 254-5; author reply 256-9	2.1	6
40	Production of deuterated lutein by <i>Chlorella protothecoides</i> and its detection by mass spectrometric methods. <i>Biotechnology Letters</i> , <b>2006</b> , 28, 1371-5	3	8
39	CFH Y402H confers similar risk of soft drusen and both forms of advanced AMD. <i>PLoS Medicine</i> , <b>2006</b> , 3, e5	11.6	161
38	Synergistic effects of zeaxanthin and its binding protein in the prevention of lipid membrane oxidation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2005</b> , 1740, 116-21	6.9	56
37	Quantitative measurement of 3'-oxolutein from human retina by normal-phase high-performance liquid chromatography coupled to atmospheric pressure chemical ionization mass spectrometry. <i>Analytical Biochemistry</i> , <b>2005</b> , 345, 296-301	3.1	27
36	Microbial xanthophylls. <i>Applied Microbiology and Biotechnology</i> , <b>2005</b> , 68, 445-55	5.7	164
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