Billy R Hammond

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5153860/publications.pdf

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50 papers	1,351 citations	430874 18 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	1103 citing authors

#	Article	IF	Citations
1	Sex Differences in Macular Pigment Optical Density:. Vision Research, 1996, 36, 2001-2012.	1.4	162
2	A Double-Blind, Placebo-Controlled Study on the Effects of Lutein and Zeaxanthin on Photostress Recovery, Glare Disability, and Chromatic Contrast. Investigative Ophthalmology and Visual Science, 2014, 55, 8583-8589.	3.3	92
3	Macular pigment density is reduced in obese subjects. Investigative Ophthalmology and Visual Science, 2002, 43, 47-50.	3.3	91
4	Relationships between macular pigment optical density and cognitive function in unimpaired and mildly cognitively impaired older adults. Neurobiology of Aging, 2014, 35, 1695-1699.	3.1	89
5	CFF thresholds: relation to macular pigment optical density. Ophthalmic and Physiological Optics, 2005, 25, 315-319.	2.0	82
6	A Double-Blind, Placebo-Controlled Study on the Effects of Lutein and Zeaxanthin on Neural Processing Speed and Efficiency. PLoS ONE, 2014, 9, e108178.	2.5	80
7	Effects of a Lutein and Zeaxanthin Intervention on Cognitive Function: A Randomized, Double-Masked, Placebo-Controlled Trial of Younger Healthy Adults. Nutrients, 2017, 9, 1246.	4.1	70
8	Lutein and Zeaxanthin Influence Brain Function in Older Adults: A Randomized Controlled Trial. Journal of the International Neuropsychological Society, 2018, 24, 77-90.	1.8	67
9	A randomized placebo-controlled study on the effects of lutein and zeaxanthin on visual processing speed in young healthy subjects. Archives of Biochemistry and Biophysics, 2015, 572, 54-57.	3.0	61
10	Oxidative photodegradation of ocular tissues: Beneficial effects of filtering and exogenous antioxidants. Experimental Eye Research, 2014, 129, 135-150.	2.6	43
11	Relationship of Lutein and Zeaxanthin Levels to Neurocognitive Functioning: An fMRI Study of Older Adults. Journal of the International Neuropsychological Society, 2017, 23, 11-22.	1.8	40
12	The Effect of the AcrySof Natural Lens on Glare Disability and Photostress. American Journal of Ophthalmology, 2009, 148, 272-276.e2.	3.3	33
13	A role for the macular carotenoids in visual motor response. Nutritional Neuroscience, 2013, 16, 262-268.	3.1	33
14	Macular pigment optical density is positively associated with academic performance among preadolescent children. Nutritional Neuroscience, 2018, 21, 632-640.	3.1	33
15	The Macular Carotenoids are Associated with Cognitive Function in Preadolescent Children. Nutrients, 2018, 10, 193.	4.1	32
16	Critical Flicker Fusion Predicts Executive Function in Younger and Older Adults. Archives of Clinical Neuropsychology, 2015, 30, 605-610.	0.5	27
17	Resonance Raman spectroscopic measurement of carotenoids in the skin and retina. Journal of Biomedical Optics, 2005, 10, 054002.	2.6	25
18	The effects of photochromic lenses on visual performance. Australasian journal of optometry, The, 2016, 99, 568-574.	1.3	21

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19	Macular Carotenoids, Aerobic Fitness, and Central Adiposity Are Associated Differentially with Hippocampal-Dependent Relational Memory in Preadolescent Children. Journal of Pediatrics, 2017, 183, 108-114.e1.	1.8	20
20	A contra-lateral comparison of the visual effects of a photochromic vs. non-photochromic contact lens. Contact Lens and Anterior Eye, 2020, 43, 250-255.	1.7	20
21	Reliability of Heterochromatic Flicker Photometry in Measuring Macular Pigment Optical Density among Preadolescent Children. Foods, 2015, 4, 594-604.	4.3	19
22	Olestra Consumption Is Not Associated with Macular Pigment Optical Density in a Cross-Sectional Volunteer Sample in Indianapolis. Journal of Nutrition, 2000, 130, 642-647.	2.9	18
23	The Effects of Blue Lightâ€“Filtering Intraocular Lenses on the Protection and Function of the Visual System . Clinical Ophthalmology, 2019, Volume 13, 2427-2438.	1.8	17
24	Relation of Retinal and Serum Lutein and Zeaxanthin to White Matter Integrity in Older Adults: A Diffusion Tensor Imaging Study. Archives of Clinical Neuropsychology, 2018, 33, 861-874.	0.5	16
25	A practical method of measuring the human â€˜temporal contrast sensitivity function. Biomedical Optics Express, 2010, 1, 47.	2.9	15
26	The effects of light scatter when using a photochromic vs. non-photochromic contact lens. Journal of Optometry, 2020, 13, 227-234.	1.3	15
27	The Visual Effects of Intraocular Colored Filters. Scientifica, 2012, 2012, 1-18.	1.7	12
28	Dietary Carotenoids Lutein and Zeaxanthin Change Brain Activation in Older Adult Participants: A Randomized, Doubleâ€Masked, Placeboâ€Controlled Trial. Molecular Nutrition and Food Research, 2019, 63, e1801051.	3.3	12
29	Iris color and age-related changes in lens optical density. Ophthalmic and Physiological Optics, 2000, 20, 381-386.	2.0	11
30	Lutein and cognition in children. Journal of Nutritional Science, 2014, 3, e53.	1.9	10
31	Dietary Carotenoids and the Nervous System. Foods, 2015, 4, 698-701.	4.3	10
32	Individual variation in the transmission of UVB radiation in the young adult eye. PLoS ONE, 2018, 13, e0199940.	2.5	10
33	Sex Differences Across the Life Course: A Focus On Unique Nutritional and Health Considerations among Women. Journal of Nutrition, 2022, 152, 1597-1610.	2.9	10
34	The effects of lutein and zeaxanthin on resting state functional connectivity in older Caucasian adults: a randomized controlled trial. Brain Imaging and Behavior, 2020, 14, 668-681.	2.1	9
35	Photobiomodulation of the Visual System and Human Health. International Journal of Molecular Sciences, 2020, 21, 8020.	4.1	8
36	Developmental trends in infant temporal processing speed. Vision Research, 2017, 138, 71-77.	1.4	6

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37	Intelligence moderates the relationship between age and inter-connectivity of resting state networks in older adults. Neurobiology of Aging, 2019, 78, 121-129.	3.1	6
38	Single Nucleotide Polymorphisms in CD36 Are Associated with Macular Pigment among Children. Journal of Nutrition, 2021, 151, 2533-2540.	2.9	6
39	The Effects of a Senofilcon A Contact Lens With and Without a Photochromic Additive on Positive Dysphotopsia Across Age. Eye and Contact Lens, 2021, 47, 265-270.	1.6	5
40	Neural Activation During Visual Attention Differs in Individuals with High versus Low Macular Pigment Density. Molecular Nutrition and Food Research, 2019, 63, 1801052.	3.3	4
41	Individual differences in visual function. Experimental Eye Research, 2020, 199, 108186.	2.6	4
42	Perspective: A Critical Look at the Ancillary Age-Related Eye Disease Study 2: Nutrition and Cognitive Function Results in Older Individuals with Age-Related Macular Degeneration. Advances in Nutrition, 2016, 7, 433-437.	6.4	3
43	Temporal vision is related to cognitive function in preadolescent children. Applied Neuropsychology: Child, 2021, 10, 319-326.	1.4	2
44	The Effects of a Blue-Light Filtering Versus Clear Intraocular Implant on Color Appearance. Translational Vision Science and Technology, 2021, 10, 25.	2.2	1
45	The influence of the macular carotenoids on womenâ€™s eye and brain health. Nutritional Neuroscience, 2023, 26, 720-726.	3.1	1
46	Oral Nutrient Supplementation and Cognitive Function. JAMA - Journal of the American Medical Association, 2016, 315, 515.	7.4	0
47	The effects of intraocular lens implant type on mood: a response to Zambrowski etÂal.. Aging and Mental Health, 2019, 23, 171-172.	2.8	0
48	Measuring the Behavioral Effects of Intraocular Scatter. Journal of Visualized Experiments, 2021, , .	0.3	0
49	The relationship between retinal carotenoids and cognitive function in healthy and cognitively impaired elders. FASEB Journal, 2012, 26, 39.4.	0.5	0
50	Blue-Light Filtering Intraocular Implants and Darker Irises Reduce the Behavioral Effects of Higher-Order Ocular Aberrations. Current Eye Research, 2022, , 1-6.	1.5	0