David Troilo

List of Publications by Year in descending order

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40 papers	2,946 citations	279778 23 h-index	395678 33 g-index
41 all docs	41 docs citations	41 times ranked	1511 citing authors

#	Article	IF	Citations
1	Temporal properties of positive and negative defocus on emmetropization. Scientific Reports, 2022, 12, 3582.	3.3	3
2	Changing accommodation behaviour during multifocal soft contact lens wear using auditory biofeedback training. Scientific Reports, 2020, 10, 5018.	3.3	7
3	Short Interruptions of Imposed Hyperopic Defocus Earlier in Treatment are More Effective at Preventing Myopia Development. Scientific Reports, 2019, 9, 11459.	3.3	18
4	IMI â€“ Report on Experimental Models of Emmetropization and Myopia. , 2019, 60, M31.		241
5	Gene expression in response to optical defocus of opposite signs reveals bidirectional mechanism of visually guided eye growth. PLoS Biology, 2018, 16, e2006021.	5.6	53
6	Accommodation and Phoria in Children Wearing Multifocal Contact Lenses. Optometry and Vision Science, 2017, 94, 353-360.	1.2	51
7	The Case for Lens Treatments in the Control of Myopia Progression. Optometry and Vision Science, 2016, 93, 1045-1048.	1.2	6
8	Axial Eye Growth and Refractive Error Development Can Be Modified by Exposing the Peripheral Retina to Relative Myopic or Hyperopic Defocus. Investigative Ophthalmology and Visual Science, 2014, 55, 6765-6773.	3.3	161
9	Wavefront Aberrations of the Eye during the Development of Refractive Error. , 2014, , .		0
10	Eyes in Various Species Can Shorten to Compensate for Myopic Defocus. , 2013, 54, 2634.		38
11	The Effect of Simultaneous Negative and Positive Defocus on Eye Growth and Development of Refractive State in Marmosets. , 2012, 53, 6479.		80
12	Foveal cone density shows a rapid postnatal maturation in the marmoset monkey. Visual Neuroscience, 2011, 28, 473-484.	1.0	25
13	Ocular wavefront aberrations in the common marmoset Callithrix jacchus: Effects of age and refractive error. Vision Research, 2010, 50, 2515-2529.	1.4	11
14	Evaluation of AAV-Mediated Expression of Chop2-GFP in the Marmoset Retina. , 2010, 51, 5288.		100
15	Imposed Anisometropia, Accommodation, and Regulation of Refractive State. Optometry and Vision Science, 2009, 86, E31-E39.	1.2	46
16	Expression of synaptic and phototransduction markers during photoreceptor development in the marmoset monkey Callithrix jacchus. Journal of Comparative Neurology, 2009, 512, 218-231.	1.6	32
17	Accommodation and induced myopia in marmosets. Vision Research, 2007, 47, 1228-1244.	1.4	34
18	Characteristics of accommodative behavior during sustained reading in emmetropes and myopes. Vision Research, 2006, 46, 2581-2592.	1.4	102

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19	Development of the neural retina and its vasculature in the marmosetCallithrix jacchus. Journal of Comparative Neurology, 2006, 497, 270-286.	1.6	50
20	Change in the Synthesis Rates of Ocular Retinoic Acid and Scleral Glycosaminoglycan during Experimentally Altered Eye Growth in Marmosets. , 2006, 47, 1768.		78
21	Temporal Integration Characteristics of the Axial and Choroidal Responses to Myopic Defocus Induced by Prior Form Deprivation Versus Positive Spectacle Lens Wear in Chickens. Optometry and Vision Science, 2005, 82, 318-327.	1.2	21
22	The Response to Visual Form Deprivation Differs with Age in Marmosets. , 2005, 46, 1873.		51
23	Susceptibility to Form-Deprivation Myopia in Chicks is Not Altered by an Early Experience of Axial Myopia. Optometry and Vision Science, 2004, 81, 119-126.	1.2	9
24	Diurnal rhythms in intraocular pressure, axial length, and choroidal thickness in a primate model of eye growth, the common marmoset. Investigative Ophthalmology and Visual Science, 2002, 43, 2519-28.	3.3	78
25	Diurnal illumination patterns affect the development of the chick eye. Vision Research, 2000, 40, 2387-2393.	1.4	54
26	Levels of Control in the Refractive Development of the Eye: Evidence from Animal Models. , 1998, , 285-296.		1
27	Functional architecture of area 17 in normal and monocularly deprived marmosets (Callithrix) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	48
28	Factors controlling the dendritic arborization of retinal ganglion cells. Visual Neuroscience, 1996, 13, 721-733.	1.0	43
29	The mechanism of lenticular accommodation in chicks. Vision Research, 1995, 35, 1525-1540.	1.4	34
30	Differences in eye growth and the response to visual deprivation in different strains of chicken. Vision Research, 1995, 35, 1211-1216.	1.4	63
31	Constant light produces severe corneal flattening and hyperopia in chickens. Vision Research, 1995, 35, 1203-1209.	1.4	133
32	The mechanism of corneal accommodation in chicks. Vision Research, 1994, 34, 1549-1566.	1.4	56
33	Visual optics and retinal cone topography in the common marmoset (Callithrix jacchus). Vision Research, 1993, 33, 1301-1310.	1.4	155
34	Ocular development and visual deprivation myopia in the common marmoset (Callithrix jacchus). Vision Research, 1993, 33, 1311-1324.	1.4	172
35	Neonatal eye growth and emmetropisationâ€"A literature review. Eye, 1992, 6, 154-160.	2.1	119
36	The regulation of eye growth and refractive state: An experimental study of emmetropization. Vision Research, 1991, 31, 1237-1250.	1.4	222

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37	Developing eyes that lack accommodation grow to compensate for imposed defocus. Visual Neuroscience, 1990, 4, 177-183.	1.0	183
38	Experimental Studies of Emmetropization in the Chick. Novartis Foundation Symposium, 1990, 155, 89-114.	1.1	13
39	Visual deprivation causes myopia in chicks with optic nerve section. Current Eye Research, 1987, 6, 993-999.	1.5	311
40	Changes in corneal curvature during accommodation in chicks. Vision Research, 1987, 27, 241-247.	1.4	43