

# David P Crewther

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3433621/publications.pdf>

Version: 2024-02-01

135  
papers

2,848  
citations

186209

28  
h-index

223716

46  
g-index

148  
all docs

148  
docs citations

148  
times ranked

3130  
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA-seq and GSEA identifies suppression of ligand-gated chloride efflux channels as the major gene pathway contributing to form deprivation myopia. <i>Scientific Reports</i> , 2021, 11, 5280.	1.6	14
2	Psychophysical decoding of 4D dynamic spontaneous facial emotions.. <i>Journal of Vision</i> , 2021, 21, 1841.	0.1	0
3	Neural Mechanisms of Visual Motion Anomalies in Autism: A Two-Decade Update and Novel Aetiology. <i>Frontiers in Neuroscience</i> , 2021, 15, 756841.	1.4	7
4	Psychosocial deficits across autism and schizotypal spectra are interactively modulated by excitatory and inhibitory neurotransmission. <i>Autism</i> , 2020, 24, 364-373.	2.4	9
5	Cortical excitation-inhibition ratio mediates the effect of pre-attentive auditory processing deficits on interpersonal difficulties. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 98, 109769.	2.5	3
6	Occipital Magnocellular VEP Non-linearities Show a Short Latency Interaction Between Contrast and Facial Emotion. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 268.	1.0	1
7	The 4D Space-Time Dimensions of Facial Perception. <i>Frontiers in Psychology</i> , 2020, 11, 1842.	1.1	5
8	Flicker fusion thresholds as a clinical identifier of a magnocellular-deficit dyslexic subgroup. <i>Scientific Reports</i> , 2020, 10, 21638.	1.6	8
9	Nonlinear VEP: Facial emotional information is present in early V1 processing. <i>Journal of Vision</i> , 2020, 20, 624.	0.1	0
10	The association of excitation and inhibition signaling with the relative symptom expression of autism and psychosis-proneness: Implications for psychopharmacology. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 88, 235-242.	2.5	15
11	Gaze entropy measures detect alcohol-induced driver impairment. <i>Drug and Alcohol Dependence</i> , 2019, 204, 107519.	1.6	20
12	A review of gaze entropy as a measure of visual scanning efficiency. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 96, 353-366.	2.9	92
13	Prevalence of Migraine in the Elderly: A Narrated Review. <i>Neuroepidemiology</i> , 2019, 52, 104-110.	1.1	37
14	Temporal whole field sawtooth flicker without a spatial component elicits a myopic shift following optical defocus irrespective of waveform direction in chicks. <i>PeerJ</i> , 2019, 7, e6277.	0.9	2
15	Less Efficient Magnocellular Processing: A Common Deficit in Neurodevelopmental Disorders. <i>Journal of Vision</i> , 2019, 19, 48a.	0.1	0
16	Red background facilitates low spatial frequency fearful face processing in groups with high autistic tendency. <i>Journal of Vision</i> , 2019, 19, 24d.	0.1	0
17	The acute effects of intranasal oxytocin on EEG mu responses to emotional faces. <i>Journal of Vision</i> , 2019, 19, 182a.	0.1	0
18	Connectivity in cortex sensitive to biological motion in those high and low in autistic tendency.. <i>Journal of Vision</i> , 2019, 19, 192.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Cluster analysis reveals subclinical subgroups with shared autistic and schizotypal traits. <i>Psychiatry Research</i> , 2018, 265, 111-117.	1.7	10
20	Human Flicker Fusion Correlates With Physiological Measures of Magnocellular Neural Efficiency. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 176.	1.0	20
21	Autistic Traits Are Not a Strong Predictor of Binocular Rivalry Dynamics. <i>Frontiers in Neuroscience</i> , 2018, 12, 338.	1.4	7
22	Age Related Decline in Cortical Multifocal Flash VEP: Latency Increases Shown to Be Predominately Magnocellular. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 430.	1.7	9
23	Magnetoencephalography reveals an increased non-target P3a, but not target P3b, that is associated with high non-clinical psychosocial deficits. <i>Psychiatry Research - Neuroimaging</i> , 2018, 271, 1-7.	0.9	5
24	Pathway analysis identifies altered mitochondrial metabolism, neurotransmission, structural pathways and complement cascade in retina/RPE/ choroid in chick model of form-deprivation myopia. <i>PeerJ</i> , 2018, 6, e5048.	0.9	23
25	Nasal Oxytocin produces emotion dependent effects on early visual evoked potentials.. <i>Journal of Vision</i> , 2018, 18, 911.	0.1	0
26	The effects of figure-ground segmentation on non-linear visual evoked potentials. <i>Journal of Vision</i> , 2018, 18, 333.	0.1	0
27	Cerebellum added to Working Memory Networks revealed by Meta-analysis of Activation Likelihood Estimation of fMRI sites in n-back tasks. <i>Journal of Vision</i> , 2018, 18, 688.	0.1	1
28	Confirmatory factor analysis of autism and schizophrenia spectrum traits. <i>Personality and Individual Differences</i> , 2017, 110, 80-84.	1.6	18
29	Mismatch field latency, but not power, may mark a shared autistic and schizotypal trait phenotype. <i>International Journal of Psychophysiology</i> , 2017, 116, 60-67.	0.5	14
30	Spatio-temporal source cluster analysis reveals fronto-temporal auditory change processing differences within a shared autistic and schizotypal trait phenotype. <i>NeuroImage: Clinical</i> , 2017, 16, 383-389.	1.4	12
31	Increased glutamate/GABA+ ratio in a shared autistic and schizotypal trait phenotype termed Social Disorganisation. <i>NeuroImage: Clinical</i> , 2017, 16, 125-131.	1.4	35
32	Impaired Activation of Visual Attention Network for Motion Saliency Is Accompanied by Reduced Functional Connectivity between Frontal Eye Fields and Visual Cortex in Strabismic Amblyopia. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 195.	1.0	22
33	Autistic Children Show a Surprising Relationship between Global Visual Perception, Non-Verbal Intelligence and Visual Parvocellular Function, Not Seen in Typically Developing Children. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 239.	1.0	13
34	Electrophysiological Correlates of Subliminal Perception of Facial Expressions in Individuals with Autistic Traits: A Backward Masking Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 256.	1.0	15
35	Insensitivity to Fearful Emotion for Early ERP Components in High Autistic Tendency Is Associated with Lower Magnocellular Efficiency. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 495.	1.0	8
36	Surround-Masking Affects Visual Estimation Ability. <i>Frontiers in Integrative Neuroscience</i> , 2017, 11, 7.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Temporal brightness illusion changes color perception of "the dress" Journal of Vision, 2017, 17, 6.	0.1	19
38	Glutamate/GABA+ ratio is associated with the psychosocial domain of autistic and schizotypal traits. PLoS ONE, 2017, 12, e0181961.	1.1	37
39	The effects of visual surround on multifocal visual evoked potentials. Journal of Vision, 2017, 17, 793.	0.1	0
40	Human flicker fusion frequencies correlate negatively with cortical VEP magnocellular nonlinearities. Journal of Vision, 2017, 17, 735.	0.1	0
41	Orientation surround suppression but not complex search slope correlates with autistic trait level.. Journal of Vision, 2017, 17, 702.	0.1	0
42	Mapping of the Underlying Neural Mechanisms of Maintenance and Manipulation in Visuo-Spatial Working Memory Using An n-back Mental Rotation Task: A Functional Magnetic Resonance Imaging Study. Frontiers in Behavioral Neuroscience, 2016, 10, 87.	1.0	18
43	A Comprehensive Review of the 1H-MRS Metabolite Spectrum in Autism Spectrum Disorder. Frontiers in Molecular Neuroscience, 2016, 9, 14.	1.4	88
44	An asymmetric outer retinal response to drifting sawtooth gratings. Journal of Neurophysiology, 2016, 115, 2349-2358.	0.9	2
45	Temporal structure of human magnetic evoked fields. Experimental Brain Research, 2016, 234, 1987-1995.	0.7	8
46	Does early processing of low-spatial frequency fearful facial expressions vary as a function of autistic tendency?. Journal of Vision, 2016, 16, 167.	0.1	0
47	Toad lights up the prince of brightness illusions.. Journal of Vision, 2016, 16, 561.	0.1	0
48	Greater magnocellular saccadic suppression in high versus low autistic tendency suggests a causal path to local perceptual style. Royal Society Open Science, 2015, 2, 150226.	1.1	7
49	Fish oil supplementation associated with decreased cellular degeneration and increased cellular proliferation 6 weeks after middle cerebral artery occlusion in the rat. Neuropsychiatric Disease and Treatment, 2015, 11, 153.	1.0	6
50	Preliminary validation of FastaReada as a measure of reading fluency. Frontiers in Psychology, 2015, 6, 1634.	1.1	9
51	Temporal processing as a source of altered visual perception in high autistic tendency. Neuropsychologia, 2015, 69, 148-153.	0.7	13
52	A new model of strabismic amblyopia: Loss of spatial acuity due to increased temporal dispersion of geniculate X-cell afferents on to cortical neurons. Vision Research, 2015, 114, 79-86.	0.7	7
53	Mathematical impairment associated with high-contrast abnormalities in change detection and magnocellular visual evoked response. Experimental Brain Research, 2015, 233, 3039-3046.	0.7	5
54	The attentional strobe: auditory manipulation of visual conscious awareness. Journal of Vision, 2015, 15, 1251.	0.1	0

#	ARTICLE	IF	CITATIONS
55	Peripheral global neglect in high vs. low autistic tendency. <i>Frontiers in Psychology</i> , 2014, 5, 284.	1.1	8
56	Factor Analysis Demonstrates a Common Schizoid Phenotype within Autistic and Schizotypal Tendency: Implications for Neuroscientific Studies. <i>Frontiers in Psychiatry</i> , 2014, 5, 117.	1.3	44
57	Omega-3 supplementation improves cognition and modifies brain activation in young adults. <i>Human Psychopharmacology</i> , 2014, 29, 133-144.	0.7	85
58	Does omega-3 fatty acid supplementation enhance neural efficiency? A review of the literature. <i>Human Psychopharmacology</i> , 2014, 29, 8-18.	0.7	19
59	Fish Oil Diet Associated with Acute Reperfusion Related Hemorrhage, and with Reduced Stroke-Related Sickness Behaviors and Motor Impairment. <i>Frontiers in Neurology</i> , 2014, 5, 14.	1.1	12
60	Problem solving ability in children with intellectual disability as measured by the Raven's Colored Progressive Matrices. <i>Research in Developmental Disabilities</i> , 2013, 34, 4366-4374.	1.2	27
61	Evidence for Enhanced Multisensory Facilitation with Stimulus Relevance: An Electrophysiological Investigation. <i>PLoS ONE</i> , 2013, 8, e52978.	1.1	20
62	Magnocellular and Parvocellular Contrast Responses in Varying Degrees of Autistic Trait. <i>PLoS ONE</i> , 2013, 8, e66797.	1.1	38
63	Neural Responses in Parietal and Occipital Areas in Response to Visual Events Are Modulated by Prior Multisensory Stimuli. <i>PLoS ONE</i> , 2013, 8, e84331.	1.1	9
64	Willpower and Conscious Percept: Volitional Switching in Binocular Rivalry. <i>PLoS ONE</i> , 2012, 7, e35963.	1.1	12
65	Abrupt and ramped flicker-defined form shows evidence for a large magnocellular impairment in dyslexia. <i>Neuropsychologia</i> , 2012, 50, 2107-2113.	0.7	14
66	Comorbid Externalising Behaviour in AD/HD: Evidence for a Distinct Pathological Entity in Adolescence. <i>PLoS ONE</i> , 2012, 7, e41407.	1.1	4
67	Omega-3 Fatty Acids Modify Human Cortical Visual Processing – A Double-Blind, Crossover Study. <i>PLoS ONE</i> , 2011, 6, e28214.	1.1	17
68	Susceptibility to the flash-beep illusion is increased in children compared to adults. <i>Developmental Science</i> , 2011, 14, 1089-1099.	1.3	31
69	Light modulation, not choroidal vasomotor action, is a regulator of refractive compensation to signed optical blur. <i>British Journal of Pharmacology</i> , 2011, 164, 1614-1626.	2.7	3
70	Inflammation and Depression: Why Poststroke Depression may be the Norm and Not the Exception. <i>International Journal of Stroke</i> , 2011, 6, 128-135.	2.9	79
71	What you eat is what you are – A role for polyunsaturated fatty acids in neuroinflammation induced depression?. <i>Clinical Nutrition</i> , 2011, 30, 407-415.	2.3	20
72	The effect of sleep deprivation on BOLD activity elicited by a divided attention task. <i>Brain Imaging and Behavior</i> , 2011, 5, 97-108.	1.1	22

#	ARTICLE	IF	CITATIONS
73	Magnocellular visual evoked potential delay with high autism spectrum quotient yields a neural mechanism for altered perception. <i>Brain</i> , 2010, 133, 2089-2097.	3.7	108
74	Different Temporal Structure for Form versus Surface Cortical Color Systems – Evidence from Chromatic Non-Linear VEP. <i>PLoS ONE</i> , 2010, 5, e15266.	1.1	3
75	Spatial and temporal dissociation of AQP4 and Kir4.1 expression during induction of refractive errors. <i>Molecular Vision</i> , 2010, 16, 1610-9.	1.1	11
76	The Impact of Spatial Incongruence on an Auditory-Visual Illusion. <i>PLoS ONE</i> , 2009, 4, e6450.	1.1	47
77	TMS disruption of V5/MT+ indicates a role for the dorsal stream in word recognition. <i>Experimental Brain Research</i> , 2009, 197, 69-79.	0.7	30
78	The race that precedes coactivation: development of multisensory facilitation in children. <i>Developmental Science</i> , 2009, 12, 464-473.	1.3	89
79	The More He Looked Inside, the More Piglet Wasn't There: Is Autism Really Blessed with Visual Hyperacuity?. <i>Biological Psychiatry</i> , 2009, 66, e21-e22.	0.7	14
80	A puzzle form of a non-verbal intelligence test gives significantly higher performance measures in children with severe intellectual disability. <i>BMC Pediatrics</i> , 2008, 8, 30.	0.7	12
81	Putative biomarker of working memory systems development during childhood and adolescence. <i>NeuroReport</i> , 2008, 19, 197-201.	0.6	6
82	ERP Indices of Working Memory Updating in AD/HD: Differential Aspects of Development, Subtype, and Medication. <i>Journal of Clinical Neurophysiology</i> , 2008, 25, 32-41.	0.9	27
83	Potassium Channel and NKCC Cotransporter Involvement in Ocular Refractive Control Mechanisms. <i>PLoS ONE</i> , 2008, 3, e2839.	1.1	22
84	A role for aquaporin-4 during induction of form deprivation myopia in chick. <i>Molecular Vision</i> , 2008, 14, 298-307.	1.1	14
85	The effect of acute sleep deprivation on visual evoked potentials in professional drivers. <i>Sleep</i> , 2008, 31, 1261-9.	0.6	16
86	Global and local attention in the attentional blink. <i>Journal of Vision</i> , 2007, 7, 9.	0.1	21
87	Common and distinct brain activation to viewing dynamic sequences of face and hand movements. <i>NeuroImage</i> , 2007, 37, 966-973.	2.1	91
88	Evidence for Fast Signals and Later Processing in Human V1/V2 and V5/MT+: A TMS Study of Motion Perception. <i>Journal of Neurophysiology</i> , 2007, 98, 1253-1262.	0.9	103
89	The visual attentional blink reflects constraints on temporal visual processing, not just a lapse of visual memory. <i>Australasian journal of optometry</i> , The, 2007, 90, 282-289.	0.6	7
90	Threshold recognition of phantom-contour objects requires constant contrast velocity. <i>Perception &amp; Psychophysics</i> , 2007, 69, 1035-1039.	2.3	4

#	ARTICLE	IF	CITATIONS
91	Low frequency temporal modulation of light promotes a myopic shift in refractive compensation to all spectacle lenses. <i>Experimental Eye Research</i> , 2006, 83, 322-328.	1.2	39
92	Monocular and binocular thresholds for abruptly and gradually presented illusory contours. <i>Australasian journal of optometry, The</i> , 2006, 89, 368-373.	0.6	3
93	Wots that werd? Pseudowords (non-words) may be a misleading measure of phonological skills in young learner readers. <i>Dyslexia</i> , 2006, 12, 289-299.	0.8	16
94	Ionic control of ocular growth and refractive change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15663-15668.	3.3	37
95	DISTRACTIBILITY IN AD/HD PREDOMINANTLY INATTENTIVE AND COMBINED SUBTYPES: THE P3a ERP COMPONENT, HEART RATE AND PERFORMANCE. <i>Journal of Integrative Neuroscience</i> , 2006, 05, 139-158.	0.8	27
96	Pre- and post-critical period induced reduction of Cat-301 immunoreactivity in the lateral geniculate nucleus and visual cortex of cats Y-blocked as adults or made strabismic as kittens. <i>Molecular Vision</i> , 2006, 12, 858-66.	1.1	15
97	Changes in ocular accommodation when shifting between global and local attention. <i>Australasian journal of optometry, The</i> , 2005, 88, 28-32.	0.6	6
98	A normative and reliability study for the Raven's™ Coloured Progressive Matrices for primary school aged children from Victoria, Australia. <i>Personality and Individual Differences</i> , 2005, 39, 647-659.	1.6	121
99	Measurement error: implications for diagnosis and discrepancy models of developmental dyslexia. <i>Dyslexia</i> , 2005, 11, 186-202.	0.8	24
100	Structural and Elemental Evidence for Edema in the Retina, Retinal Pigment Epithelium, and Choroid during Recovery from Experimentally Induced Myopia. , 2004, 45, 2463.		67
101	Rate of Learning and Asymptotic Performance in an Automatization Task and the Relation to Reading. <i>Perceptual and Motor Skills</i> , 2004, 99, 1103-1121.	0.6	7
102	Clinical application of the multifocal visual evoked potential. <i>Australasian journal of optometry, The</i> , 2004, 87, 163-170.	0.6	2
103	Central and peripheral vision loss associated with nefazodone usage. <i>Documenta Ophthalmologica</i> , 2003, 106, 319-325.	1.0	7
104	Change detection is impaired in children with dyslexia. <i>Journal of Vision</i> , 2003, 3, 10.	0.1	39
105	Temporal processing of global and local information varies with global precedence. <i>Clinical and Experimental Ophthalmology</i> , 2002, 30, 221-226.	1.3	6
106	Normal readers have an upper visual field advantage in change detection. <i>Clinical and Experimental Ophthalmology</i> , 2002, 30, 227-330.	1.3	11
107	Effects of optical defocus and spatial contrast on anterior chamberdepth in chicks. <i>Clinical and Experimental Ophthalmology</i> , 2002, 30, 217-???	1.3	3
108	Separation of contour and area dependent components in the first and second order kernels of the multifocal pattern appearance evoked potential. <i>Clinical and Experimental Ophthalmology</i> , 2002, 30, 231-234.	1.3	1

#	ARTICLE	IF	CITATIONS
109	Referral rates for a functional vision screening among a large cosmopolitan sample of Australian children. <i>Ophthalmic and Physiological Optics</i> , 2002, 22, 10-25.	1.0	83
110	Vision and learning to read. <i>Australasian journal of optometry, The</i> , 2002, 85, 260-262.	0.6	2
111	Comparison of Refractive State and Circumferential Morphology of Retina, Choroid, and Sclera in Chick Models of Experimentally Induced Ametropia. <i>Optometry and Vision Science</i> , 2001, 78, 40-49.	0.6	20
112	Optometry by many other names. <i>Australasian journal of optometry, The</i> , 2001, 84, 319-320.	0.6	0
113	Is there an association between functional vision and learning to read?. <i>Australasian journal of optometry, The</i> , 2001, 84, 346-353.	0.6	27
114	Effects of a non-steroidal (ketorolac tromethamine) and a steroidal (dexamethasone) anti-inflammatory drug on refractive state and ocular growth. <i>Clinical and Experimental Ophthalmology</i> , 2001, 29, 175-178.	1.3	3
115	Strabismic amblyopia: Part 1: Psychophysics. <i>Australasian journal of optometry, The</i> , 2000, 83, 49-58.	0.6	51
116	Strabismic amblyopia. <i>Australasian journal of optometry, The</i> , 2000, 83, 200-211.	0.6	22
117	The role of photoreceptors in the control of refractive state. <i>Progress in Retinal and Eye Research</i> , 2000, 19, 421-457.	7.3	92
118	Temporal limitations of information processing in global and local attention: the effect of information content. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1999, 27, 261-264.	0.4	4
119	A Role for Choroidal Lymphatics during Recovery from Form Deprivation Myopia?. <i>Optometry and Vision Science</i> , 1999, 76, 796-803.	0.6	61
120	Cone Receptor Sensitivity is Altered in Form Deprivation Myopia in the Chicken. <i>Optometry and Vision Science</i> , 1999, 76, 326-338.	0.6	21
121	Development of a Magnocellular Function in Good and Poor Primary School-Age Readers. <i>Optometry and Vision Science</i> , 1998, 75, 62-68.	0.6	35
122	Distribution and localization of NMDA receptor subunit 1 in the visual cortex of strabismic and anisometric amblyopic cats. <i>NeuroReport</i> , 1996, 7, 2997-3004.	0.6	6
123	Temporal analysis of the VEP: evidence for separable magnocellular and parvocellular contributions. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996, 24, 32-34.	0.4	6
124	Electrophysiological and psychophysical evidence for the development of magnocellular function in children. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996, 24, 38-40.	0.4	12
125	Morphology of the recovery from form deprivation myopia in the chick. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996, 24, 41-44.	0.4	24
126	Immunocytochemical study of the NMDA receptor in the visual cortex of strabismic cat. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1996, 24, 88-91.	0.4	0



#	ARTICLE	IF	CITATIONS
127	Visual processing and dyslexia. Australasian journal of optometry, The, 1996, 79, 19-27.	0.6	1
128	A pharmacologically induced model of the retinal dystrophy gyrate atrophy. Australasian journal of optometry, The, 1995, 78, 65-73.	0.6	0
129	The ups and downs of visual fields. Behavioral and Brain Sciences, 1990, 13, 550-551.	0.4	0
130	Afferent input for target survival in marsupial visual development. Neuroscience Letters, 1988, 86, 147-154.	1.0	22
131	Retinogeniculate Patterns in Diprotodont Marsupials. Brain, Behavior and Evolution, 1987, 30, 22-42.	0.9	13
132	Disease-Associated Visual Image Degradation and Spherical Refractive Errors in Children. Optometry and Vision Science, 1985, 62, 680-688.	0.6	88
133	Primary Visual Cortex in the Brushtailed Possum: Receptive Field Properties and Corticocortical Connections. Brain, Behavior and Evolution, 1984, 24, 184-197.	0.9	32
134	Visual resolution of retinal ganglion cells in monocularly-deprived cats. Brain Research, 1980, 192, 261-266.	1.1	54
135	Maintenance and Development of Cortical Binocularity. Australasian journal of optometry, The, 1980, 63, 211-217.	0.6	0