

Andrew M Derrington

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.

68
papers

4,061
citations

31
h-index

63
g-index

70
ext. papers

4,280
ext. citations

4.3
avg, IF

4.97
L-index

#	Paper	IF	Citations
68	Power spectrum model of visual masking: simulations and empirical data. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 1119-35	1.8	2
67	Comparing the effect of the interaction between fine and coarse scales and surround suppression on motion discrimination. <i>Journal of Vision</i> , 2013 , 13,	0.4	5
66	Two-dimensional pattern motion analysis uses local features. <i>Vision Research</i> , 2012 , 62, 84-92	2.1	2
65	Antagonism between fine and coarse motion sensors depends on stimulus size and contrast. <i>Journal of Vision</i> , 2010 , 10, 18	0.4	4
64	The L/M-opponent channel provides a distinct and time-dependent contribution towards visual recognition. <i>Perception</i> , 2010 , 39, 1185-98	1.2	
63	Evidence for reciprocal antagonism between motion sensors tuned to coarse and fine features. <i>Journal of Vision</i> , 2007 , 7, 8.1-14	0.4	8
62	Processing of first-order motion in marmoset visual cortex is influenced by second-order motion. <i>Visual Neuroscience</i> , 2006 , 23, 815-24	1.7	13
61	Cone excitation ratios correlate with color discrimination performance in the horse (<i>Equus caballus</i>). <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2006 , 120, 438-48	2.1	12
60	Coherent motion perception fails at low contrast. <i>Vision Research</i> , 2005 , 45, 2310-20	2.1	10
59	Spatial distribution of suppressive signals outside the classical receptive field in lateral geniculate nucleus. <i>Journal of Neurophysiology</i> , 2005 , 94, 1789-97	3.2	34
58	Visual system: how is the retina wired up to the cortex?. <i>Current Biology</i> , 2004 , 14, R14-5	6.3	1
57	Visual mechanisms of motion analysis and motion perception. <i>Annual Review of Psychology</i> , 2004 , 55, 181-205	26.1	72
56	Gain control from beyond the classical receptive field in primate primary visual cortex. <i>Visual Neuroscience</i> , 2003 , 20, 221-30	1.7	30
55	The nature of V1 neural responses to 2D moving patterns depends on receptive-field structure in the marmoset monkey. <i>Journal of Neurophysiology</i> , 2003 , 90, 930-7	3.2	43
54	Visual system: X is not for saccades. <i>Current Biology</i> , 2002 , 12, R591-2	6.3	4
53	Feedback from V1 and inhibition from beyond the classical receptive field modulates the responses of neurons in the primate lateral geniculate nucleus. <i>Visual Neuroscience</i> , 2002 , 19, 583-92	1.7	71
52	The uses of colour vision: behavioural and physiological distinctiveness of colour stimuli. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002 , 357, 975-85	5.8	11

51	Visual calibration of CRT monitors. <i>Displays</i> , 2001 , 22, 87-95	3.4	15
50	The lateral geniculate nucleus. <i>Current Biology</i> , 2001 , 11, R635-7	6.3	6
49	Second-order processes in vision: introduction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001 , 18, 2175-8	1.8	15
48	Long-range interactions in the lateral geniculate nucleus of the New-World monkey, <i>Callithrix jacchus</i> . <i>Visual Neuroscience</i> , 2001 , 18, 209-18	1.7	20
47	Vision: can colour contribute to motion?. <i>Current Biology</i> , 2000 , 10, R268-70	6.3	12
46	Slow discrimination of contrast-defined expansion patterns. <i>Vision Research</i> , 2000 , 40, 735-44	2.1	16
45	Seeing Motion 2000 , 259-309		1
44	Second-order motion discrimination by feature-tracking. <i>Vision Research</i> , 1999 , 39, 1465-75	2.1	34
43	Long-range interactions modulate the contrast gain in the lateral geniculate nucleus of cats. <i>Visual Neuroscience</i> , 1999 , 16, 943-56	1.7	30
42	Temporal resolution of dichoptic and second-order motion mechanisms. <i>Vision Research</i> , 1998 , 38, 3531-2	2.1	24
41	Peripheral shift reduces visual sensitivity in cat geniculate neurones. <i>Visual Neuroscience</i> , 1998 , 15, 875-80	2.1	12
40	Detection and motion detection in chromatic and luminance beats. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1996 , 13, 401	1.8	10
39	What is the denominator for contrast normalisation?. <i>Vision Research</i> , 1996 , 36, 3759-66	2.1	10
38	Rapid colour-specific detection of motion in human vision. <i>Nature</i> , 1996 , 379, 72-4	50.4	92
37	Refraction, aliasing, and the absence of motion reversals in peripheral vision. <i>Vision Research</i> , 1995 , 35, 939-47	2.1	82
36	Motion of chromatic stimuli: first-order or second-order?. <i>Vision Research</i> , 1994 , 34, 49-58	2.1	51
35	The analysis of motion of two-dimensional patterns: do Fourier components provide the first stage?. <i>Vision Research</i> , 1994 , 34, 59-72	2.1	17
34	Speed, spatial-frequency, and temporal-frequency comparisons in luminance and colour gratings. <i>Vision Research</i> , 1994 , 34, 2093-101	2.1	12

33	Motion mechanisms based on nonlinear spatial filters have lower temporal resolution 1994 ,		1
32	Implications of motion detection for early non-linearities. <i>Novartis Foundation Symposium</i> , 1994 , 184, 211-20; discussion 220-6, 269-71		
31	Errors in direction-of-motion discrimination with dichoptically viewed stimuli. <i>Vision Research</i> , 1993 , 33, 1491-4	2.1	6
30	Discriminating the direction of second-order motion at short stimulus durations. <i>Vision Research</i> , 1993 , 33, 1785-94	2.1	108
29	Linear and non-linear mechanisms in pattern vision. <i>Current Biology</i> , 1993 , 3, 800-3	6.3	10
28	How many neurons does it take to see?. <i>Current Biology</i> , 1993 , 3, 510-2	6.3	5
27	Detecting and discriminating the direction of motion of luminance and colour gratings. <i>Vision Research</i> , 1993 , 33, 799-811	2.1	74
26	Errorless performance in a two-frame apparent motion task using high contrast stimuli, a failure to replicate Cleary (1990). <i>Vision Research</i> , 1992 , 32, 2191-3	2.1	1
25	Two-stage analysis of the motion of 2-dimensional patterns, what is the first stage?. <i>Vision Research</i> , 1992 , 32, 691-8	2.1	51
24	Analysis of the motion of 2-dimensional patterns: evidence for a second-order process. <i>Vision Research</i> , 1992 , 32, 699-707	2.1	60
23	Motion of complex patterns is computed from the perceived motions of their components. <i>Vision Research</i> , 1991 , 31, 139-49	2.1	62
22	Detecting the displacements of spatial beats: no role for distortion products. <i>Vision Research</i> , 1989 , 29, 731-9	2.1	54
21	Some observations on the masking effects of two-dimensional stimuli. <i>Vision Research</i> , 1989 , 29, 241-6	2.1	39
20	Failure of motion discrimination at high contrasts: evidence for saturation. <i>Vision Research</i> , 1989 , 29, 1767-76	2.1	59
19	Detecting the displacements of spatial beats: a monocular capability. <i>Vision Research</i> , 1987 , 27, 793-7	2.1	22
18	Errors in direction-of-motion discrimination with complex stimuli. <i>Vision Research</i> , 1987 , 27, 61-75	2.1	36
17	Distortion products in geniculate X-cells: a physiological basis for masking by spatially modulated gratings?. <i>Vision Research</i> , 1987 , 27, 1377-86	2.1	43
16	Detection of spatial beats: non-linearity or contrast increment detection?. <i>Vision Research</i> , 1986 , 26, 343-8	2.1	48

15	Separate detectors for simple and complex grating patterns?. <i>Vision Research</i> , 1985 , 25, 1869-78	2.1	141
14	The low level motion system has both chromatic and luminance inputs. <i>Vision Research</i> , 1985 , 25, 1879-84.1		76
13	Apparent motion from luminance change: sequence discriminators see it too. <i>Vision Research</i> , 1985 , 25, 2003-4	2.1	8
12	Detecting the displacement of periodic patterns. <i>Vision Research</i> , 1985 , 25, 1253-8	2.1	87
11	Chromatic mechanisms in lateral geniculate nucleus of macaque. <i>Journal of Physiology</i> , 1984 , 357, 241-65.9		1059
10	Development of spatial frequency selectivity in striate cortex of vision-deprived cats. <i>Experimental Brain Research</i> , 1984 , 55, 431-7	2.3	16
9	Spatial frequency selectivity of remote pattern masking. <i>Vision Research</i> , 1984 , 24, 1965-8	2.1	26
8	Spatial and temporal contrast sensitivities of neurones in lateral geniculate nucleus of macaque. <i>Journal of Physiology</i> , 1984 , 357, 219-40	3.9	743
7	The influence of temporal frequency and adaptation level on receptive field organization of retinal ganglion cells in cat. <i>Journal of Physiology</i> , 1982 , 333, 343-66	3.9	131
6	Pattern discrimination with flickering stimuli. <i>Vision Research</i> , 1981 , 21, 597-602	2.1	32
5	Spatial and temporal properties of cat geniculate neurones after prolonged deprivation. <i>Journal of Physiology</i> , 1981 , 314, 107-20	3.9	35
4	The development of spatial-frequency selectivity in kitten striate cortex. <i>Journal of Physiology</i> , 1981 , 316, 1-10	3.9	39
3	Spatial and temporal properties of X and Y cells in the cat lateral geniculate nucleus. <i>Journal of Physiology</i> , 1979 , 293, 347-64	3.9	95
2	The mechanism of peripherally evoked responses in retinal ganglion cells. <i>Journal of Physiology</i> , 1979 , 289, 299-310	3.9	41
1	The effects of remote retinal stimulation on the responses of cat retinal ganglion cells. <i>Journal of Physiology</i> , 1977 , 269, 177-94	3.9	69