Dov Sagi

List of Publications by Year
in descending order

130 papers	12,065 citations	34105 52 h-index	25787 108 g-index
142 all docs	142 docs citations	142 times ranked	5342 citing authors

#	Article	IF	Citations
1	Contrast adaptation improves spatial integration. Vision Research, 2021, 188, 139-148.	1.4	0
2	Interaction of contexts in context-dependent orientation estimation. Vision Research, 2020, 169, 58-72.	1.4	2
3	A decision-time account of individual variability in context-dependent orientation estimation. Vision Research, 2020, 177, 20-31.	1.4	4
4	Perceptual bias is reduced with longer reaction times during visual discrimination. Communications Biology, 2020, 3, 59.	4.4	14
5	Orientation-selective adaptation improves perceptual grouping. Journal of Vision, 2019, 19, 6.	0.3	5
6	Visual learning with reduced adaptation is eccentricity-specific. Scientific Reports, 2018, 8, 608.	3.3	5
7	1, 2, 3, Manyâ€"Perceptual Integration of Motif Repetitions. Symmetry, 2018, 10, 661.	2.2	0
8	Introduction to Special Issue on Perceptual Learning. Vision Research, 2018, 152, 1-2.	1.4	0
9	Real-time visual interactions across the boundary of awareness. Scientific Reports, 2018, 8, 6442.	3.3	2
10	Visual cortex is sensitive to order-disorder phase transition. Journal of Vision, 2018, 18, 808.	0.3	0
11	Spatial selectivity of tilt aftereffect depends on long-term history. Journal of Vision, 2018, 18, 257.	0.3	0
12	1,2,3, many: Perceptual order is computed by patches containing 3x3 "repetitions" of Motifs. Journal of Vision, 2017, 17, 171.	0.3	1
13	Asymmetric visual interactions across the boundary of awareness. Journal of Vision, 2016, 16, 4.	0.3	4
14	Expectations and visual aftereffects. Journal of Vision, 2016, 16, 19.	0.3	4
15	Response: Commentary: Perceptual learning in autism: over-specificity and possible remedies. Frontiers in Integrative Neuroscience, 2016, 10, 36.	2.1	2
16	Target-selective tilt aftereffect during texture learning. Vision Research, 2016, 124, 44-51.	1.4	11
17	A dissociation between consolidated perceptual learning and sensory adaptation in vision. Scientific Reports, 2016, 6, 38819.	3.3	14
18	MIB as noisy excitable system. Journal of Vision, 2016, 16, 802.	0.3	0

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19	Binocular summation of chance decisions. Scientific Reports, 2015, 5, 16799.	3.3	4
20	Visual perception of order-disorder transition. Frontiers in Psychology, 2015, 6, 734.	2.1	4
21	Effects of spatiotemporal consistencies on visual learning dynamics and transfer. Vision Research, 2015, 109, 77-86.	1.4	17
22	Perceptual learning in autism: over-specificity and possible remedies. Nature Neuroscience, 2015, 18, 1574-1576.	14.8	70
23	Tilt aftereffect due to adaptation to natural stimuli. Vision Research, 2015, 117, 91-99.	1.4	16
24	Target selective tilt-after effect during texture learning. Journal of Vision, 2015, 15, 1134.	0.3	0
25	Expectation and the tilt aftereffect. Journal of Vision, 2015, 15, 39.	0.3	0
26	Tilt Aftereffect due to Adaptation to Natural Images. Journal of Vision, 2015, 15, 764.	0.3	0
27	Motion-Induced Blindness and Troxler Fading: Common and Different Mechanisms. PLoS ONE, 2014, 9, e92894.	2.5	35
28	Twoâ€stage model in perceptual learning: toward a unified theory. Annals of the New York Academy of Sciences, 2014, 1316, 18-28.	3.8	56
29	Retinotopic Patterns of Correlated Fluctuations in Visual Cortex Reflect the Dynamics of Spontaneous Perceptual Suppression. Journal of Neuroscience, 2013, 33, 2188-2198.	3.6	36
30	Generalized Perceptual Learning in the Absence of Sensory Adaptation. Current Biology, 2012, 22, 1813-1817.	3.9	104
31	Common mechanisms of human perceptual and motor learning. Nature Reviews Neuroscience, 2012, 13, 658-664.	10.2	148
32	Decision criteria in dual discrimination tasks estimated using external-noise methods. Attention, Perception, and Psychophysics, 2012, 74, 1042-1055.	1.3	10
33	An oculomotor trace of implicit perceptual predictions. Journal of Vision, 2012, 12, 1114-1114.	0.3	2
34	Associative Learning in Early Vision. , 2012, , 334-338.		0
35	Perceptual learning in Vision Research. Vision Research, 2011, 51, 1552-1566.	1.4	368
36	Multiple levels of orientation anisotropy in crowding with Gabor flankers. Journal of Vision, 2011, 11, 18-18.	0.3	18

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37	Perceptual learning: Functions, mechanisms, and applications. Vision Research, 2010, 50, 365-367.	1.4	14
38	Learning to adapt: Dynamics of readaptation to geometrical distortions. Vision Research, 2010, 50, 1550-1558.	1.4	64
39	Lateral facilitation â€“ No effect on the target noise level. Vision Research, 2010, 50, 2486-2494.	1.4	2
40	How do flankers' relations affect crowding?. Journal of Vision, 2010, 10, 1-14.	0.3	56
41	Motion-induced blindness and microsaccades: Cause and effect. Journal of Vision, 2010, 10, 22-22.	0.3	42
42	Early-vision brain responses which predict human visual segmentation and learning. Journal of Vision, 2009, 9, 12-12.	0.3	25
43	Global resistance to local perceptual adaptation in texture discrimination. Vision Research, 2009, 49, 2550-2556.	1.4	40
44	Perceptual learning: Functions, mechanisms, and applications. Vision Research, 2009, 49, 2531-2534.	1.4	13
45	Mapping dynamic memories of gradually changing objects. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5371-5376.	7.1	18
46	Explaining training induced performance increments and decrements within a unified framework of perceptual learning. Learning & Perception, 2009, 1, 3-17.	2.4	5
47	Benefits of efficient consolidation: Short training enables long-term resistance to perceptual adaptation induced by intensive testing. Vision Research, 2008, 48, 970-977.	1.4	50
48	When they see, they see it almost right: Normal subjective experience of detected stimuli in spatial neglect. Neuroscience Letters, 2008, 446, 51-55.	2.1	2
49	Opposite Neural Signatures of Motion-Induced Blindness in Human Dorsal and Ventral Visual Cortex. Journal of Neuroscience, 2008, 28, 10298-10310.	3.6	99
50	Configuration influence on crowding. Journal of Vision, 2007, 7, 4.	0.3	140
51	Singularities explained: Response to Klein. Vision Research, 2007, 47, 2918-2922.	1.4	5
52	The effects of perceptual history on memory of visual objects. Vision Research, 2007, 47, 965-973.	1.4	18
53	Effects of trial repetition in texture discrimination. Vision Research, 2007, 47, 1094-1102.	1.4	40
54	Spatial and temporal crowding in amblyopia. Vision Research, 2007, 47, 1950-1962.	1.4	90

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55	The relationship between the subjective and objective aspects of visual filling-in. Vision Research, 2007, 47, 2473-2481.	1.4	40
56	Inverse modeling of human contrast response. Vision Research, 2007, 47, 2855-2867.	1.4	9
57	Dynamics of Memory Representations in Networks with Novelty-Facilitated Synaptic Plasticity. Neuron, 2006, 52, 383-394.	8.1	72
58	Analysis of a two-alternative force-choice signal detection theory model. Journal of Mathematical Psychology, 2006, 50, 411-420.	1.8	20
59	Singularities in the inverse modeling of 2AFC contrast discrimination data. Vision Research, 2006, 46, 259-266.	1.4	22
60	Temporal asymmetry of collinear lateral interactions. Vision Research, 2006, 46, 953-960.	1.4	67
61	A link between perceptual learning, adaptation and sleep. Vision Research, 2006, 46, 4071-4074.	1.4	128
62	Psychometric curves of lateral facilitation. Spatial Vision, 2006, 19, 413-426.	1.4	16
63	Spatial interactions in amblyopia: Effects of stimulus parameters and amblyopia type. Vision Research, 2005, 45, 1471-1479.	1.4	49
64	Eccentricity effects on lateral interactions. Vision Research, 2005, 45, 2009-2024.	1.4	47
65	Criteria interactions across visual attributes. Vision Research, 2005, 45, 2523-2532.	1.4	18
66	Decision and Attention. , 2005, , 152-159.		3
67	Perceptual learning in contrast discrimination: The effect of contrast uncertainty. Journal of Vision, 2004, 4, 2.	0.3	80
68	Associative learning in early vision. Neural Networks, 2004, 17, 823-832.	5.9	17
69	Improving vision in adult amblyopia by perceptual learning. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6692-6697.	7.1	377
70	Local and non-local deficits in amblyopia: acuity and spatial interactions. Vision Research, 2004, 44, 3099-3110.	1.4	73
71	Configuration-Specific Attentional Modulation of Flanker â€“ Target Lateral Interactions. Perception, 2004, 33, 181-194.	1.2	31
72	Top-Down Modulation of Lateral Interactions in Early Vision. Current Biology, 2003, 13, 985-989.	3.9	77

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73	Natural extinction: A criterion shift phenomenon. Visual Cognition, 2002, 9, 913-936.	1.6	29
74	Context-enabled learning in the human visual system. Nature, 2002, 415, 790-793.	27.8	145
75	Reply to 'The unique criterion constraint: a false alarm?'. Nature Neuroscience, 2002, 5, 707-708.	14.8	10
76	Psychophysical Measurement of Attentional Modulation in Low-Level Vision Using the Lateral-Interactions Paradigm. , 2002, , 25-39.		1
77	Recurrent networks in human visual cortex: psychophysical evidence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2228.	1.5	38
78	A transition between eye and object rivalry determined by stimulus coherence. Vision Research, 2001, 41, 981-989.	1.4	63
79	Lateral interactions between targets and flankers in low-level vision depend on attention to the flankers. Nature Neuroscience, 2001, 4, 1032-1036.	14.8	131
80	Disentangling signal from noise in visual contrast discrimination. Nature Neuroscience, 2001, 4, 1146-1150.	14.8	68
81	Motion-induced blindness in normal observers. Nature, 2001, 411, 798-801.	27.8	272
82	Failure to handle more than one internal representation in visual detection tasks. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12380-12384.	7.1	80
83	Contrast dependence of perceptual grouping in brain-damaged patients with visual extinction. Spatial Vision, 2000, 13, 403-414.	1.4	8
84	Attention and short-term memory in contrast detection. Vision Research, 2000, 40, 1089-1100.	1.4	12
85	A Fraser illusion without local cues?. Vision Research, 2000, 40, 873-878.	1.4	12
86	Mechanisms for spatial integration in visual detection: a model based on lateral interactions. Spatial Vision, 1999, 12, 187-209.	1.4	33
87	Configuration saliency revealed in short duration binocular rivalry. Vision Research, 1999, 39, 271-281.	1.4	42
88	Contrast integration across space. Vision Research, 1999, 39, 2597-2602.	1.4	32
89	Long-lasting, long-range detection facilitation. Vision Research, 1998, 38, 2591-2599.	1.4	42
90	Effects of spatial configuration on contrast detection. Vision Research, 1998, 38, 3541-3553.	1.4	103

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91	A perceptual memory for low-contrast visual signals. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12729-12733.	7.1	33
92	Visual Imagery Facilitates Visual Perception: Psychophysical Evidence. Journal of Cognitive Neuroscience, 1997, 9, 476-489.	2.3	54
93	Visual Imagery: Effects of Short- and Long-Term Memory. Journal of Cognitive Neuroscience, 1997, 9, 734-742.	2.3	26
94	Excitatory-inhibitory network in the visual cortex: Psychophysical evidence. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 10426-10431.	7.1	120
95	Visual extinction and cortical connectivity in human vision. Cognitive Brain Research, 1997, 6, 159-162.	3.0	34
96	Abnormal Long-range Spatial Interactions in Amblyopia. Vision Research, 1997, 37, 737-744.	1.4	132
97	Contrast masking effects change with practice. Vision Research, 1997, 37, 1725-1733.	1.4	53
98	Isolating Excitatory and Inhibitory Nonlinear Spatial Interactions Involved in Contrast Detection * *Part of this paper was presented at the 17th ECVP conference, Eindhoven, The Netherlands (September) Tj ETQq0 0 0 rgBT /Overlock 1	1.4	152
99	Preattentive texture segmentation: The role of line terminations, size, and filter wavelength. Perception & Psychophysics, 1996, 58, 489-509.	2.3	35
100	Early vision. , 1996, , 3-17.		2
101	Common mechanisms of visual imagery and perception. Science, 1995, 268, 1772-1774.	12.6	254
102	Perceptual grouping by similarity and proximity: Experimental results can be predicted by intensity autocorrelations. Vision Research, 1995, 35, 853-866.	1.4	122
103	Spatial interactions in human vision: from near to far via experience-dependent cascades of connections.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1206-1209.	7.1	221
104	The architecture of perceptual spatial interactions. Vision Research, 1994, 34, 73-78.	1.4	471
105	Perceptual learning: learning to see. Current Opinion in Neurobiology, 1994, 4, 195-199.	4.2	188
106	Dependence on REM sleep of overnight improvement of a perceptual skill. Science, 1994, 265, 679-682.	12.6	1,049
107	The time course of learning a visual skill. Nature, 1993, 365, 250-252.	27.8	713
108	Lateral interactions between spatial channels: Suppression and facilitation revealed by lateral masking experiments. Vision Research, 1993, 33, 993-999.	1.4	822

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109	Effects of foreground scale in texture discrimination tasks: Performance is size, shape, and content specific. Spatial Vision, 1993, 7, 293-310.	1.4	19
110	Parallel processes within the 'spot-light' of attention. Spatial Vision, 1992, 6, 61-77.	1.4	12
111	Visual attention and perceptual grouping. Perception & Psychophysics, 1992, 52, 277-294.	2.3	107
112	Short- and long-range processes in structure-from-motion. Vision Research, 1991, 31, 2025-2028.	1.4	7
113	Texture-Based Tasks are Little Affected by Second Tasks Requiring Peripheral or Central Attentive Fixation. Perception, 1991, 20, 483-500.	1.2	57
114	Where practice makes perfect in texture discrimination: evidence for primary visual cortex plasticity.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4966-4970.	7.1	1,051
115	Segmentation, Binding, and Illusory Conjunctions. Neural Computation, 1991, 3, 510-525.	2.2	82
116	Vision outside the focus of attention. Perception & Psychophysics, 1990, 48, 45-58.	2.3	197
117	Detection of an orientation singularity in gabor textures: Effect of signal density and spatial-frequency. Vision Research, 1990, 30, 1377-1388.	1.4	92
118	Spatial variability as a limiting factor in texture-discrimination tasks: implications for performance asymmetries. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1990, 7, 1632.	1.5	146
119	Gabor filters as texture discriminator. Biological Cybernetics, 1989, 61, 103.	1.3	567
120	The spatial scale of preattentive visual operations. International Journal of Psychophysiology, 1989, 7, 380-381.	1.0	0
121	The combination of spatial frequency and orientation is effortlessly perceived. Perception & Psychophysics, 1988, 43, 601-603.	2.3	64
122	Parallel and serial processes in motion detection. Science, 1987, 237, 400-402.	12.6	128
123	Short-range limitation on detection of feature differences. Spatial Vision, 1987, 2, 39-49.	1.4	169
124	Enhanced detection in the aperture of focal attention during simple discrimination tasks. Nature, 1986, 321, 693-695.	27.8	118
125	Lateral inhibition between spatially adjacent spatial-frequency channels?. Perception & Psychophysics, 1985, 37, 315-322.	2.3	64
126	"Where" and "what" in vision. Science, 1985, 228, 1217-1219.	12.6	497

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127	Fast noninertial shifts of attention. Spatial Vision, 1985, 1, 141-149.	1.4	87
128	Detection versus Discrimination of Visual Orientation. Perception, 1984, 13, 619-628.	1.2	129
129	The contrast dependence of spatial frequency channel interactions. Vision Research, 1984, 24, 1357-1365.	1.4	13
130	Discriminability of suprathreshold compound spatial frequency gratings. Vision Research, 1983, 23, 1595-1606.	1.4	16