

# Dov Sagi

## List of Publications by Year in descending order

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130  
papers

12,065  
citations

34076

52  
h-index

25770

108  
g-index

142  
all docs

142  
docs citations

142  
times ranked

5342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contrast adaptation improves spatial integration. <i>Vision Research</i> , 2021, 188, 139-148.	0.7	0
2	Interaction of contexts in context-dependent orientation estimation. <i>Vision Research</i> , 2020, 169, 58-72.	0.7	2
3	A decision-time account of individual variability in context-dependent orientation estimation. <i>Vision Research</i> , 2020, 177, 20-31.	0.7	4
4	Perceptual bias is reduced with longer reaction times during visual discrimination. <i>Communications Biology</i> , 2020, 3, 59.	2.0	14
5	Orientation-selective adaptation improves perceptual grouping. <i>Journal of Vision</i> , 2019, 19, 6.	0.1	5
6	Visual learning with reduced adaptation is eccentricity-specific. <i>Scientific Reports</i> , 2018, 8, 608.	1.6	5
7	1, 2, 3, Many "Perceptual Integration of Motif Repetitions. <i>Symmetry</i> , 2018, 10, 661.	1.1	0
8	Introduction to Special Issue on Perceptual Learning. <i>Vision Research</i> , 2018, 152, 1-2.	0.7	0
9	Real-time visual interactions across the boundary of awareness. <i>Scientific Reports</i> , 2018, 8, 6442.	1.6	2
10	Visual cortex is sensitive to order-disorder phase transition. <i>Journal of Vision</i> , 2018, 18, 808.	0.1	0
11	Spatial selectivity of tilt aftereffect depends on long-term history. <i>Journal of Vision</i> , 2018, 18, 257.	0.1	0
12	1,2,3, many: Perceptual order is computed by patches containing 3x3 "repetitions" of Motifs. <i>Journal of Vision</i> , 2017, 17, 171.	0.1	1
13	Asymmetric visual interactions across the boundary of awareness. <i>Journal of Vision</i> , 2016, 16, 4.	0.1	4
14	Expectations and visual aftereffects. <i>Journal of Vision</i> , 2016, 16, 19.	0.1	4
15	Response: Commentary: Perceptual learning in autism: over-specificity and possible remedies. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 36.	1.0	2
16	Target-selective tilt aftereffect during texture learning. <i>Vision Research</i> , 2016, 124, 44-51.	0.7	11
17	A dissociation between consolidated perceptual learning and sensory adaptation in vision. <i>Scientific Reports</i> , 2016, 6, 38819.	1.6	14
18	MIB as noisy excitable system. <i>Journal of Vision</i> , 2016, 16, 802.	0.1	0

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19	Binocular summation of chance decisions. <i>Scientific Reports</i> , 2015, 5, 16799.	1.6	4
20	Visual perception of order-disorder transition. <i>Frontiers in Psychology</i> , 2015, 6, 734.	1.1	4
21	Effects of spatiotemporal consistencies on visual learning dynamics and transfer. <i>Vision Research</i> , 2015, 109, 77-86.	0.7	17
22	Perceptual learning in autism: over-specificity and possible remedies. <i>Nature Neuroscience</i> , 2015, 18, 1574-1576.	7.1	70
23	Tilt aftereffect due to adaptation to natural stimuli. <i>Vision Research</i> , 2015, 117, 91-99.	0.7	16
24	Target selective tilt-after effect during texture learning. <i>Journal of Vision</i> , 2015, 15, 1134.	0.1	0
25	Expectation and the tilt aftereffect. <i>Journal of Vision</i> , 2015, 15, 39.	0.1	0
26	Tilt Aftereffect due to Adaptation to Natural Images. <i>Journal of Vision</i> , 2015, 15, 764.	0.1	0
27	Motion-Induced Blindness and Troxler Fading: Common and Different Mechanisms. <i>PLoS ONE</i> , 2014, 9, e92894.	1.1	35
28	Two-stage model in perceptual learning: toward a unified theory. <i>Annals of the New York Academy of Sciences</i> , 2014, 1316, 18-28.	1.8	56
29	Retinotopic Patterns of Correlated Fluctuations in Visual Cortex Reflect the Dynamics of Spontaneous Perceptual Suppression. <i>Journal of Neuroscience</i> , 2013, 33, 2188-2198.	1.7	36
30	Generalized Perceptual Learning in the Absence of Sensory Adaptation. <i>Current Biology</i> , 2012, 22, 1813-1817.	1.8	104
31	Common mechanisms of human perceptual and motor learning. <i>Nature Reviews Neuroscience</i> , 2012, 13, 658-664.	4.9	148
32	Decision criteria in dual discrimination tasks estimated using external-noise methods. <i>Attention, Perception, and Psychophysics</i> , 2012, 74, 1042-1055.	0.7	10
33	An oculomotor trace of implicit perceptual predictions. <i>Journal of Vision</i> , 2012, 12, 1114-1114.	0.1	2
34	Associative Learning in Early Vision. , 2012, , 334-338.		0
35	Perceptual learning in Vision Research. <i>Vision Research</i> , 2011, 51, 1552-1566.	0.7	368
36	Multiple levels of orientation anisotropy in crowding with Gabor flankers. <i>Journal of Vision</i> , 2011, 11, 18-18.	0.1	18

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37	Perceptual learning: Functions, mechanisms, and applications. <i>Vision Research</i> , 2010, 50, 365-367.	0.7	14
38	Learning to adapt: Dynamics of readaptation to geometrical distortions. <i>Vision Research</i> , 2010, 50, 1550-1558.	0.7	64
39	Lateral facilitation "No effect on the target noise level. <i>Vision Research</i> , 2010, 50, 2486-2494.	0.7	2
40	How do flankers' relations affect crowding?. <i>Journal of Vision</i> , 2010, 10, 1-14.	0.1	56
41	Motion-induced blindness and microsaccades: Cause and effect. <i>Journal of Vision</i> , 2010, 10, 22-22.	0.1	42
42	Early-vision brain responses which predict human visual segmentation and learning. <i>Journal of Vision</i> , 2009, 9, 12-12.	0.1	25
43	Global resistance to local perceptual adaptation in texture discrimination. <i>Vision Research</i> , 2009, 49, 2550-2556.	0.7	40
44	Perceptual learning: Functions, mechanisms, and applications. <i>Vision Research</i> , 2009, 49, 2531-2534.	0.7	13
45	Mapping dynamic memories of gradually changing objects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5371-5376.	3.3	18
46	Explaining training induced performance increments and decrements within a unified framework of perceptual learning. <i>Learning &amp; Perception</i> , 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. <i>Vision Research</i> , 2008, 48, 970-977.	0.7	50
48	When they see, they see it almost right: Normal subjective experience of detected stimuli in spatial neglect. <i>Neuroscience Letters</i> , 2008, 446, 51-55.	1.0	2
49	Opposite Neural Signatures of Motion-Induced Blindness in Human Dorsal and Ventral Visual Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 10298-10310.	1.7	99
50	Configuration influence on crowding. <i>Journal of Vision</i> , 2007, 7, 4.	0.1	140
51	Singularities explained: Response to Klein. <i>Vision Research</i> , 2007, 47, 2918-2922.	0.7	5
52	The effects of perceptual history on memory of visual objects. <i>Vision Research</i> , 2007, 47, 965-973.	0.7	18
53	Effects of trial repetition in texture discrimination. <i>Vision Research</i> , 2007, 47, 1094-1102.	0.7	40
54	Spatial and temporal crowding in amblyopia. <i>Vision Research</i> , 2007, 47, 1950-1962.	0.7	90

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55	The relationship between the subjective and objective aspects of visual filling-in. <i>Vision Research</i> , 2007, 47, 2473-2481.	0.7	40
56	Inverse modeling of human contrast response. <i>Vision Research</i> , 2007, 47, 2855-2867.	0.7	9
57	Dynamics of Memory Representations in Networks with Novelty-Facilitated Synaptic Plasticity. <i>Neuron</i> , 2006, 52, 383-394.	3.8	72
58	Analysis of a two-alternative force-choice signal detection theory model. <i>Journal of Mathematical Psychology</i> , 2006, 50, 411-420.	1.0	20
59	Singularities in the inverse modeling of 2AFC contrast discrimination data. <i>Vision Research</i> , 2006, 46, 259-266.	0.7	22
60	Temporal asymmetry of collinear lateral interactions. <i>Vision Research</i> , 2006, 46, 953-960.	0.7	67
61	A link between perceptual learning, adaptation and sleep. <i>Vision Research</i> , 2006, 46, 4071-4074.	0.7	128
62	Psychometric curves of lateral facilitation. <i>Spatial Vision</i> , 2006, 19, 413-426.	1.4	16
63	Spatial interactions in amblyopia: Effects of stimulus parameters and amblyopia type. <i>Vision Research</i> , 2005, 45, 1471-1479.	0.7	49
64	Eccentricity effects on lateral interactions. <i>Vision Research</i> , 2005, 45, 2009-2024.	0.7	47
65	Criteria interactions across visual attributes. <i>Vision Research</i> , 2005, 45, 2523-2532.	0.7	18
66	Decision and Attention. , 2005, , 152-159.		3
67	Perceptual learning in contrast discrimination: The effect of contrast uncertainty. <i>Journal of Vision</i> , 2004, 4, 2.	0.1	80
68	Associative learning in early vision. <i>Neural Networks</i> , 2004, 17, 823-832.	3.3	17
69	Improving vision in adult amblyopia by perceptual learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6692-6697.	3.3	377
70	Local and non-local deficits in amblyopia: acuity and spatial interactions. <i>Vision Research</i> , 2004, 44, 3099-3110.	0.7	73
71	Configuration-Specific Attentional Modulation of Flanker "Target Lateral Interactions. <i>Perception</i> , 2004, 33, 181-194.	0.5	31
72	Top-Down Modulation of Lateral Interactions in Early Vision. <i>Current Biology</i> , 2003, 13, 985-989.	1.8	77

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73	Natural extinction: A criterion shift phenomenon. <i>Visual Cognition</i> , 2002, 9, 913-936.	0.9	29
74	Context-enabled learning in the human visual system. <i>Nature</i> , 2002, 415, 790-793.	13.7	145
75	Reply to 'The unique criterion constraint: a false alarm?'. <i>Nature Neuroscience</i> , 2002, 5, 707-708.	7.1	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. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 2228.	0.8	38
78	A transition between eye and object rivalry determined by stimulus coherence. <i>Vision Research</i> , 2001, 41, 981-989.	0.7	63
79	Lateral interactions between targets and flankers in low-level vision depend on attention to the flankers. <i>Nature Neuroscience</i> , 2001, 4, 1032-1036.	7.1	131
80	Disentangling signal from noise in visual contrast discrimination. <i>Nature Neuroscience</i> , 2001, 4, 1146-1150.	7.1	68
81	Motion-induced blindness in normal observers. <i>Nature</i> , 2001, 411, 798-801.	13.7	272
82	Failure to handle more than one internal representation in visual detection tasks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 12380-12384.	3.3	80
83	Contrast dependence of perceptual grouping in brain-damaged patients with visual extinction. <i>Spatial Vision</i> , 2000, 13, 403-414.	1.4	8
84	Attention and short-term memory in contrast detection. <i>Vision Research</i> , 2000, 40, 1089-1100.	0.7	12
85	A Fraser illusion without local cues?. <i>Vision Research</i> , 2000, 40, 873-878.	0.7	12
86	Mechanisms for spatial integration in visual detection: a model based on lateral interactions. <i>Spatial Vision</i> , 1999, 12, 187-209.	1.4	33
87	Configuration saliency revealed in short duration binocular rivalry. <i>Vision Research</i> , 1999, 39, 271-281.	0.7	42
88	Contrast integration across space. <i>Vision Research</i> , 1999, 39, 2597-2602.	0.7	32
89	Long-lasting, long-range detection facilitation. <i>Vision Research</i> , 1998, 38, 2591-2599.	0.7	42
90	Effects of spatial configuration on contrast detection. <i>Vision Research</i> , 1998, 38, 3541-3553.	0.7	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.	3.3	33
92	Visual Imagery Facilitates Visual Perception: Psychophysical Evidence. Journal of Cognitive Neuroscience, 1997, 9, 476-489.	1.1	54
93	Visual Imagery: Effects of Short- and Long-Term Memory. Journal of Cognitive Neuroscience, 1997, 9, 734-742.	1.1	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.	3.3	120
95	Visual extinction and cortical connectivity in human vision. Cognitive Brain Research, 1997, 6, 159-162.	3.3	34
96	Abnormal Long-range Spatial Interactions in Amblyopia. Vision Research, 1997, 37, 737-744.	0.7	132
97	Contrast masking effects change with practice. Vision Research, 1997, 37, 1725-1733.	0.7	53
98	Isolating Excitatory and Inhibitory Nonlinear Spatial Interactions Involved in Contrast Detection * *Part of this paper was presented at the 17th ECVF conference, Eindhoven, The Netherlands (September) Tj ETQq000 rgBT /overlock 1	0.7	132
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.	6.0	254
102	Perceptual grouping by similarity and proximity: Experimental results can be predicted by intensity autocorrelations. Vision Research, 1995, 35, 853-866.	0.7	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.	3.3	221
104	The architecture of perceptual spatial interactions. Vision Research, 1994, 34, 73-78.	0.7	471
105	Perceptual learning: learning to see. Current Opinion in Neurobiology, 1994, 4, 195-199.	2.0	188
106	Dependence on REM sleep of overnight improvement of a perceptual skill. Science, 1994, 265, 679-682.	6.0	1,049
107	The time course of learning a visual skill. Nature, 1993, 365, 250-252.	13.7	713
108	Lateral interactions between spatial channels: Suppression and facilitation revealed by lateral masking experiments. Vision Research, 1993, 33, 993-999.	0.7	822

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109	Effects of foreground scale in texture discrimination tasks: Performance is size, shape, and content specific. <i>Spatial Vision</i> , 1993, 7, 293-310.	1.4	19
110	Parallel processes within the 'spot-light' of attention. <i>Spatial Vision</i> , 1992, 6, 61-77.	1.4	12
111	Visual attention and perceptual grouping. <i>Perception &amp; Psychophysics</i> , 1992, 52, 277-294.	2.3	107
112	Short- and long-range processes in structure-from-motion. <i>Vision Research</i> , 1991, 31, 2025-2028.	0.7	7
113	Texture-Based Tasks are Little Affected by Second Tasks Requiring Peripheral or Central Attentive Fixation. <i>Perception</i> , 1991, 20, 483-500.	0.5	57
114	Where practice makes perfect in texture discrimination: evidence for primary visual cortex plasticity.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 4966-4970.	3.3	1,051
115	Segmentation, Binding, and Illusory Conjunctions. <i>Neural Computation</i> , 1991, 3, 510-525.	1.3	82
116	Vision outside the focus of attention. <i>Perception &amp; Psychophysics</i> , 1990, 48, 45-58.	2.3	197
117	Detection of an orientation singularity in gabor textures: Effect of signal density and spatial-frequency. <i>Vision Research</i> , 1990, 30, 1377-1388.	0.7	92
118	Spatial variability as a limiting factor in texture-discrimination tasks: implications for performance asymmetries. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1990, 7, 1632.	0.8	146
119	Gabor filters as texture discriminator. <i>Biological Cybernetics</i> , 1989, 61, 103.	0.6	567
120	The spatial scale of preattentive visual operations. <i>International Journal of Psychophysiology</i> , 1989, 7, 380-381.	0.5	0
121	The combination of spatial frequency and orientation is effortlessly perceived. <i>Perception &amp; Psychophysics</i> , 1988, 43, 601-603.	2.3	64
122	Parallel and serial processes in motion detection. <i>Science</i> , 1987, 237, 400-402.	6.0	128
123	Short-range limitation on detection of feature differences. <i>Spatial Vision</i> , 1987, 2, 39-49.	1.4	169
124	Enhanced detection in the aperture of focal attention during simple discrimination tasks. <i>Nature</i> , 1986, 321, 693-695.	13.7	118
125	Lateral inhibition between spatially adjacent spatial-frequency channels?. <i>Perception &amp; Psychophysics</i> , 1985, 37, 315-322.	2.3	64
126	"Where" and "what" in vision. <i>Science</i> , 1985, 228, 1217-1219.	6.0	497



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127	Fast noninertial shifts of attention. <i>Spatial Vision</i> , 1985, 1, 141-149.	1.4	87
128	Detection versus Discrimination of Visual Orientation. <i>Perception</i> , 1984, 13, 619-628.	0.5	129
129	The contrast dependence of spatial frequency channel interactions. <i>Vision Research</i> , 1984, 24, 1357-1365.	0.7	13
130	Discriminability of suprathreshold compound spatial frequency gratings. <i>Vision Research</i> , 1983, 23, 1595-1606.	0.7	16