

# Haluk Ogmen

## List of Publications by Year in descending order

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134  
papers

3,562  
citations

159585

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161849

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139  
all docs

139  
docs citations

139  
times ranked

1806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent models and findings in visual backward masking: A comparison, review, and update. <i>Perception &amp; Psychophysics</i> , 2000, 62, 1572-1595.	2.3	436
2	Fuzzy PID controller: Design, performance evaluation, and stability analysis. <i>Information Sciences</i> , 2000, 123, 249-270.	6.9	245
3	Moving ahead through differential visual latency. <i>Nature</i> , 1998, 396, 424-424.	27.8	199
4	The what and where in visual masking. <i>Vision Research</i> , 2003, 43, 1337-1350.	1.4	140
5	Perceptual grouping induces non-retinotopic feature attribution in human vision. <i>Vision Research</i> , 2006, 46, 3234-3242.	1.4	97
6	Differential latencies and the dynamics of the position computation process for moving targets, assessed with the flash-lag effect. <i>Vision Research</i> , 2004, 44, 2109-2128.	1.4	93
7	A target in real motion appears blurred in the absence of other proximal moving targets. <i>Vision Research</i> , 1995, 35, 2315-2328.	1.4	92
8	A neural theory of retino-cortical dynamics. <i>Neural Networks</i> , 1993, 6, 245-273.	5.9	84
9	Flash-Lag Effect: Differential Latency, Not Postdiction. <i>Science</i> , 2000, 290, 1051a-1051.	12.6	80
10	Identifying chaotic systems via a Wiener-type cascade model. <i>IEEE Control Systems</i> , 1997, 17, 29-36.	0.8	76
11	Meta- and paracontrast reveal differences between contour- and brightness-processing mechanisms. <i>Vision Research</i> , 2006, 46, 2645-2658.	1.4	75
12	Neural network architectures for motion perception and elementary motion detection in the fly visual system. <i>Neural Networks</i> , 1990, 3, 487-505.	5.9	74
13	The flight path of the phoenixâ€”The visible trace of invisible elements in human vision. <i>Journal of Vision</i> , 2006, 6, 7.	0.3	70
14	Perceived length across the physiological blind spot. <i>Visual Neuroscience</i> , 1995, 12, 385-402.	1.0	68
15	Unconscious priming by color and form: Different processes and levels. <i>Consciousness and Cognition</i> , 2004, 13, 138-157.	1.5	60
16	Color and motion: which is the tortoise and which is the hare?. <i>Vision Research</i> , 2003, 43, 2403-2412.	1.4	59
17	A (fascinating) litmus test for human retino- vs.non-retinotopic processing. <i>Journal of Vision</i> , 2009, 9, 5-5.	0.3	56
18	The Geometry of Visual Perception: Retinotopic and Nonretinotopic Representations in the Human Visual System. <i>Proceedings of the IEEE</i> , 2010, 98, 479-492.	21.3	56

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19	A comparison of masking by visual and transcranial magnetic stimulation: implications for the study of conscious and unconscious visual processing. <i>Consciousness and Cognition</i> , 2004, 13, 829-843.	1.5	48
20	Matching and correlation computations in stereoscopic depth perception. <i>Journal of Vision</i> , 2011, 11, 1-1.	0.3	48
21	Neural network model of short-term horizontal disparity vergence dynamics1This study was presented in part at the 1995 Annual Meeting of ARVO and appeared in abstract form in <i>Investigative Ophthalmology &amp; Visual Science</i> , 36, S457.1. <i>Vision Research</i> , 1997, 37, 1383-1399.	1.4	42
22	Neural models for sustained and ON-OFF units of insect lamina. <i>Biological Cybernetics</i> , 1990, 63, 51-60.	1.3	41
23	Gamma-range oscillations in backward-masking functions and their putative neural correlates.. <i>Psychological Review</i> , 2000, 107, 556-577.	3.8	40
24	A theory of moving form perception: Synergy between masking, perceptual grouping, and motion computation in retinotopic and non-retinotopic representations. <i>Advances in Cognitive Psychology</i> , 2007, 3, 67-84.	0.5	39
25	Motion deblurring in a neural network model of retino-cortical dynamics1This study was presented in part at the 1995 annual meeting of ARVO and appeared in abstract form in <i>Investigative Ophthalmology and Visual Science</i> 36, S52.1. <i>Vision Research</i> , 1998, 38, 1827-1842.	1.4	37
26	Nonretinotopic Exogenous Attention. <i>Current Biology</i> , 2011, 21, 1732-1737.	3.9	36
27	Unconscious and conscious priming by forms and their parts. <i>Visual Cognition</i> , 2005, 12, 720-736.	1.6	35
28	High-capacity, transient retention of direction-of-motion information for multiple moving objects. <i>Journal of Vision</i> , 2010, 10, 8-8.	0.3	34
29	Feature Fusion Reveals Slow and Fast Visual Memories. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 632-641.	2.3	32
30	A New Conceptualization of Human Visual Sensory-Memory. <i>Frontiers in Psychology</i> , 2016, 7, 830.	2.1	32
31	Unconscious, stimulus-dependent priming and conscious, percept-dependent priming with chromatic stimuli. <i>Perception &amp; Psychophysics</i> , 2007, 69, 550-557.	2.3	31
32	Feature integration across space, time, and orientation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2009, 35, 1670-1686.	0.9	27
33	Feedforward and feedback processes in vision. <i>Frontiers in Psychology</i> , 2015, 6, 279.	2.1	27
34	Target recovery in metacontrast: The effect of contrast. <i>Vision Research</i> , 2006, 46, 4726-4734.	1.4	26
35	Bottlenecks of Motion Processing during a Visual Glance: The Leaky Flask Model. <i>PLoS ONE</i> , 2013, 8, e83671.	2.5	26
36	Vergence Dynamics Predict Fixation Disparity. <i>Neural Computation</i> , 2001, 13, 1495-1525.	2.2	25

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37	Task influences on the dynamic properties of fast eye movements. <i>Journal of Vision</i> , 2009, 9, 1-1.	0.3	24
38	Stereoscopic depth perception from oblique phase disparities. <i>Vision Research</i> , 2003, 43, 2479-2492.	1.4	21
39	Motion and tilt aftereffects occur largely in retinal, not in object, coordinates in the Ternus-Pikler display. <i>Journal of Vision</i> , 2011, 11, 7-7.	0.3	21
40	Visual masking and the dynamics of human perception, cognition, and consciousness: &lt;i>A century of progress, a contemporary synthesis, and future directions&lt;/i>. <i>Advances in Cognitive Psychology</i> , 2007, 3, 1-8.	0.5	20
41	A statistical perspective to visual masking. <i>Vision Research</i> , 2015, 115, 23-39.	1.4	20
42	Perceptual Learning in a Nonretinotopic Frame of Reference. <i>Psychological Science</i> , 2010, 21, 1058-1063.	3.3	19
43	Functional hierarchies of nonconscious visual processing. <i>Vision Research</i> , 2008, 48, 1509-1513.	1.4	18
44	Two-dot alignment across the physiological blind spot. <i>Vision Research</i> , 1996, 36, 1585-1596.	1.4	17
45	Assessing the microstructure of motion correspondences with non-retinotopic feature attribution. <i>Journal of Vision</i> , 2008, 8, 16.	0.3	17
46	Putting low-level vision into global context: Why vision cannot be reduced to basic circuits. <i>Vision Research</i> , 2016, 126, 9-18.	1.4	17
47	Nonlinear Alteration of Transient Vergence Dynamics After Sustained Convergence. <i>Optometry and Vision Science</i> , 1999, 76, 656-663.	1.2	16
48	Motion, Not Masking, Provides the Medium for Feature Attribution. <i>Psychological Science</i> , 2008, 19, 823-829.	3.3	16
49	Non-retinotopic feature processing in the absence of retinotopic spatial layout and the construction of perceptual space from motion. <i>Vision Research</i> , 2012, 71, 10-17.	1.4	16
50	Attention and non-retinotopic feature integration. <i>Journal of Vision</i> , 2010, 10, 8-8.	0.3	15
51	Attention modulates spatio-temporal grouping. <i>Vision Research</i> , 2011, 51, 435-446.	1.4	15
52	Perceived speed differences explain apparent compression in slit viewing. <i>Vision Research</i> , 2008, 48, 1603-1612.	1.4	13
53	Metacontrast masking and stimulus contrast polarity. <i>Vision Research</i> , 2008, 48, 2433-2438.	1.4	13
54	Stream specificity and asymmetries in feature binding and content-addressable access in visual encoding and memory. <i>Journal of Vision</i> , 2015, 15, 14.	0.3	13

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55	Retinotopy of visual masking and non-retinotopic perception during masking. <i>Attention, Perception, and Psychophysics</i> , 2015, 77, 1263-1284.	1.3	13
56	A computational model for reference-frame synthesis with applications to motion perception. <i>Vision Research</i> , 2016, 126, 242-253.	1.4	13
57	Metacontrast masking and attention do not interact. <i>Attention, Perception, and Psychophysics</i> , 2016, 78, 1363-1380.	1.3	13
58	The reference frame for encoding and retention of motion depends on stimulus set size. <i>Attention, Perception, and Psychophysics</i> , 2017, 79, 888-910.	1.3	13
59	Metacontrast, target recovery, and the magno- and parvocellular systems: A reply to the perspective. <i>Visual Neuroscience</i> , 2008, 25, 611-616.	1.0	11
60	Modified extended Kalman filtering for supervised learning. <i>International Journal of Systems Science</i> , 1993, 24, 1207-1214.	5.5	10
61	Tracing path-guided apparent motion in human primary visual cortex V1. <i>Scientific Reports</i> , 2014, 4, 6063.	3.3	10
62	Sensory Memory Is Allocated Exclusively to the Current Event-Segment. <i>Frontiers in Psychology</i> , 2018, 9, 1435.	2.1	10
63	Shape distortions and Gestalt grouping in anorthoscopic perception. <i>Journal of Vision</i> , 2009, 9, 8-8.	0.3	9
64	Effects of contrast polarity in paracontrast masking. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1576-1587.	1.3	9
65	Object identity determines trans-saccadic integration. <i>Journal of Vision</i> , 2020, 20, 33.	0.3	9
66	The Fate of Visible Features of Invisible Elements. <i>Frontiers in Psychology</i> , 2012, 3, 119.	2.1	8
67	The effective reference frame in perceptual judgments of motion direction. <i>Vision Research</i> , 2015, 107, 101-112.	1.4	8
68	Extending Levelt's Propositions to perceptual multistability involving interocular grouping. <i>Vision Research</i> , 2017, 133, 37-46.	1.4	8
69	Neural network model of on-off units in the fly visual system: simulations of dynamic behavior. <i>Biological Cybernetics</i> , 1998, 78, 399-412.	1.3	7
70	Effect of exposure duration, contrast and base blur on coding and discrimination of edges. <i>Spatial Vision</i> , 2002, 15, 341-376.	1.4	7
71	Attraction of flashes to moving dots. <i>Vision Research</i> , 2007, 47, 2603-2615.	1.4	7
72	Does spatio-temporal filtering account for nonretinotopic motion perception? Comment on Pooresmaeili, Cicchini, Morrone, and Burr (2012). <i>Journal of Vision</i> , 2013, 13, 19-19.	0.3	7

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73	Invisibility and interpretation. <i>Frontiers in Psychology</i> , 2014, 5, 975.	2.1	7
74	Spatial properties of non-retinotopic reference frames in human vision. <i>Vision Research</i> , 2015, 113, 44-54.	1.4	7
75	Unmasking saccadic uncrowding. <i>Vision Research</i> , 2016, 127, 152-164.	1.4	7
76	A unified analysis of alpha rhythm, fast synchronized oscillations, and flash visual evoked potentials. <i>Neural Networks</i> , 1996, 9, 223-242.	5.9	6
77	Field-like interactions between motion-based reference frames. <i>Attention, Perception, and Psychophysics</i> , 2015, 77, 2082-2097.	1.3	6
78	Motion-based nearest vector metric for reference frame selection in the perception of motion. <i>Journal of Vision</i> , 2016, 16, 14.	0.3	6
79	Retinotopic encoding of the Ternus-Pikler display reflected in the early visual areas. <i>Journal of Vision</i> , 2016, 16, 26.	0.3	6
80	Local versus global and retinotopic versus non-retinotopic motion processing in schizophrenia patients. <i>Psychiatry Research</i> , 2016, 246, 461-465.	3.3	6
81	Unconscious retinotopic motion processing affects non-retinotopic motion perception. <i>Consciousness and Cognition</i> , 2018, 62, 135-147.	1.5	6
82	Effects of Exogenous and Endogenous Attention on Metacontrast Masking. <i>Vision (Switzerland)</i> , 2018, 2, 39.	1.2	6
83	A neural model for nonassociative learning in a prototypical sensory-motor scheme: the landing reaction in flies. <i>Biological Cybernetics</i> , 1993, 68, 351-361.	1.3	5
84	Suprathreshold Intrinsic Dynamics of the Human Visual System. <i>Neural Computation</i> , 2003, 15, 2883-2908.	2.2	5
85	Facilitation by exogenous attention for static and dynamic gestalt groups. <i>Attention, Perception, and Psychophysics</i> , 2014, 76, 1709-1720.	1.3	5
86	Perception, Cognition, and Action in Hyperspaces: Implications on Brain Plasticity, Learning, and Cognition. <i>Frontiers in Psychology</i> , 2019, 10, 3000.	2.1	5
87	Phototransduction in invertebrates. <i>Biological Cybernetics</i> , 1987, 56, 27-35.	1.3	4
88	Short range motion detection in the insect visual system. <i>Neural Networks</i> , 1988, 1, 519.	5.9	4
89	Unpredictability does not hamper nonretinotopic motion perception. <i>Journal of Vision</i> , 2017, 17, 6.	0.3	4
90	Reference-frames in vision: Contributions of attentional tracking to nonretinotopic perception in the Ternus-Pikler display. <i>Journal of Vision</i> , 2019, 19, 7.	0.3	4

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91	Apparent Motion and Reference Frames. , 0, , .		4
92	Barrier effects in non-retinotopic feature attribution. Vision Research, 2011, 51, 1861-1871.	1.4	3
93	EEG Correlates of Relative Motion Encoding. Brain Topography, 2016, 29, 273-282.	1.8	3
94	How do Endogenous Attention, Exogenous Attention and Metacontrast Masking Operate in Controlling Stimulus Visibility?. Journal of Vision, 2016, 16, 898.	0.3	3
95	Features integrate along a motion trajectory when object integrity is preserved. Journal of Vision, 2021, 21, 4.	0.3	3
96	Non-retinotopic adaptive center-surround modulation in motion processing. Vision Research, 2020, 174, 10-21.	1.4	2
97	Neural correlates of metacontrast masking across different contrast polarities. Brain Structure and Function, 2021, 226, 3067-3081.	2.3	2
98	Effects of spatial attention on spatial and temporal acuity: A computational account. Attention, Perception, and Psychophysics, 2022, 84, 1886-1900.	1.3	2
99	Quantitative studies of fly visual sustained neurons. International Journal of Bio-medical Computing, 1994, 36, 299-310.	0.5	1
100	Inhibitory surround and grouping effects in human and computational multiple object tracking. , 2008, , .		1
101	Sensory Memory is Allocated Exclusively to the Current Event Segment. Journal of Vision, 2015, 15, 86.	0.3	1
102	Attention and Metacontrast Masking do not Interact. Journal of Vision, 2016, 16, 1267.	0.3	1
103	Object identity determines transsaccadic integration. Journal of Vision, 2019, 19, 13.	0.3	1
104	Reference-Frame Selection in Motion Perception. Journal of Vision, 2015, 15, 284.	0.3	1
105	Capacity and Allocation across Sensory and Short-Term Memories. Vision (Switzerland), 2022, 6, 15.	1.2	1
106	Sensorimotor Self-organization via Circular-Reactions. Frontiers in Neurorobotics, 2021, 15, 658450.	2.8	1
107	Perceptual asynchronies and the dual-channel differential latency hypothesis. , 0, , 379-395.		1
108	Neural network model of dynamic form perception: implications of retinal persistence and extraretinal sharpening for the perception of moving boundaries. , 1991, 1606, 350.		0

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109	<title>Some neural correlates of sensorial and cognitive control of behavior</title>. , 1992, , .		0
110	Landscape reshaping algorithm for additive neural networks with application to graph mapping problems. Electronics Letters, 1992, 28, 109.	1.0	0
111	Continuous-time global computer vision with analog, specialized, and interacting neural networks. Information Sciences, 1993, 70, 5-25.	6.9	0
112	Detecting oscillations in neural networks via frequency domain analysis. , 0, , .		0
113	Self-organization via active exploration: hardware implementation of a neural robot. Robotica, 1998, 16, 127-141.	1.9	0
114	Analogue integrated-circuit design for sustained neurons in a fly. Electronics Letters, 2001, 37, 867.	1.0	0
115	Neural computations in the tiger salamander and mudpuppy outer retinae and an analysis of GABA action from horizontal cells. Biological Cybernetics, 2003, 88, 450-458.	1.3	0
116	Contributions of Parvocellular and Magnocellular Pathways to Metacontrast and Target Recovery. , 0, , .		0
117	Probing Oscillatory Visual Dynamics at The Perceptual Level. , 0, , 615-625.		0
118	Moving backward through perceptual compensation. Behavioral and Brain Sciences, 2008, 31, 212-213.	0.7	0
119	Neurophysiology of compensation for time delays: Visual prediction is off track. Behavioral and Brain Sciences, 2008, 31, 214-214.	0.7	0
120	Misperceptions in the Trajectories of Objects undergoing Curvilinear Motion. PLoS ONE, 2012, 7, e36511.	2.5	0
121	Exogenous attention during perceptual group formation and dissolution. Attention, Perception, and Psychophysics, 2017, 79, 593-602.	1.3	0
122	Adaptive Trade-off between Sensitivity and Spatial Resolution and its Implications for Motion Discrimination and Segregation. Journal of Vision, 2021, 21, 1853.	0.3	0
123	Metacontrast Masking Across Different Contrast Polarities: The Role of Late ERP Components. Journal of Vision, 2021, 21, 2083.	0.3	0
124	Adaptive mechanisms of visual motion discrimination, integration, and segregation. Vision Research, 2021, 188, 96-114.	1.4	0
125	Dissociation between visual awareness and sensori-motor performance fails in paracontrast but not metacontrast. Journal of Vision, 2010, 2, 19-19.	0.3	0
126	Transient and steady-state phases of position computation for a moving target. Journal of Vision, 2010, 3, 393-393.	0.3	0



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127	Predictability, efference copies, and non-retinotopic motion. <i>Journal of Vision</i> , 2015, 15, 1184.	0.3	0
128	EEG and fMRI correlates of non-retinotopic motion processing in the human visual system. <i>Journal of Vision</i> , 2015, 15, 1183.	0.3	0
129	Non-retinotopic feature integration is mandatory and precise. <i>Journal of Vision</i> , 2017, 17, 215.	0.3	0
130	The Reference Frame for Encoding and Retention of Motion-Direction Information Depends on Stimulus Set-size. <i>Journal of Vision</i> , 2017, 17, 436.	0.3	0
131	How unconscious retinotopic processing influences conscious non-retinotopic perception. <i>Journal of Vision</i> , 2018, 18, 292.	0.3	0
132	Competing unconscious reference-frames shape conscious motion perception. <i>Journal of Vision</i> , 2019, 19, 150c.	0.3	0
133	Adaptive center-surround mechanisms in non-retinotopic processes. <i>Journal of Vision</i> , 2019, 19, 295b.	0.3	0
134	Information Integration and Information Storage in Retinotopic and Non-Retinotopic Sensory Memory. <i>Vision (Switzerland)</i> , 2021, 5, 61.	1.2	0