Haluk Ogmen

List of Publications by Year
in descending order

134 papers	3,562 citations	159585 30 h-index	161849 54 g-index
139 all docs	139 docs citations	139 times ranked	1806 citing authors

#	Article	IF	Citations
1	Capacity and Allocation across Sensory and Short-Term Memories. Vision (Switzerland), 2022, 6, 15.	1.2	1
2	Effects of spatial attention on spatial and temporal acuity: A computational account. Attention, Perception, and Psychophysics, 2022, 84, 1886-1900.	1.3	2
3	Neural correlates of metacontrast masking across different contrast polarities. Brain Structure and Function, 2021, 226, 3067-3081.	2.3	2
4	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
5	Metacontrast Masking Across Different Contrast Polarities: The Role of Late ERP Components. Journal of Vision, 2021, 21, 2083.	0.3	0
6	Adaptive mechanisms of visual motion discrimination, integration, and segregation. Vision Research, 2021, 188, 96-114.	1.4	0
7	Features integrate along a motion trajectory when object integrity is preserved. Journal of Vision, 2021, 21, 4.	0.3	3
8	Information Integration and Information Storage in Retinotopic and Non-Retinotopic Sensory Memory. Vision (Switzerland), 2021, 5, 61.	1.2	0
9	Sensorimotor Self-organization via Circular-Reactions. Frontiers in Neurorobotics, 2021, 15, 658450.	2.8	1
10	Object identity determines trans-saccadic integration. Journal of Vision, 2020, 20, 33.	0.3	9
11	Non-retinotopic adaptive center-surround modulation in motion processing. Vision Research, 2020, 174, 10-21.	1.4	2
12	Reference-frames in vision: Contributions of attentional tracking to nonretinotopic perception in the Ternus-Pikler display. Journal of Vision, 2019, 19, 7.	0.3	4
13	Perception, Cognition, and Action in Hyperspaces: Implications on Brain Plasticity, Learning, and Cognition. Frontiers in Psychology, 2019, 10, 3000.	2.1	5
14	Object identity determines transsaccadic integration. Journal of Vision, 2019, 19, 13.	0.3	1
15	Competing unconscious reference-frames shape conscious motion perception. Journal of Vision, 2019, 19, 150c.	0.3	0
16	Adaptive center-surround mechanisms in non-retinotopic processes. Journal of Vision, 2019, 19, 295b.	0.3	0
17	Unconscious retinotopic motion processing affects non-retinotopic motion perception. Consciousness and Cognition, 2018, 62, 135-147.	1.5	6
18	Effects of Exogenous and Endogenous Attention on Metacontrast Masking. Vision (Switzerland), 2018, 2, 39.	1.2	6

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19	Sensory Memory Is Allocated Exclusively to the Current Event-Segment. Frontiers in Psychology, 2018, 9, 1435.	2.1	10
20	How unconscious retinotopic processing influences conscious non-retinotopic perception. Journal of Vision, 2018, 18, 292.	0.3	0
21	The reference frame for encoding and retention of motion depends on stimulus set size. Attention, Perception, and Psychophysics, 2017, 79, 888-910.	1.3	13
22	Extending Leveltâ€™s Propositions to perceptual multistability involving interocular grouping. Vision Research, 2017, 133, 37-46.	1.4	8
23	Exogenous attention during perceptual group formation and dissolution. Attention, Perception, and Psychophysics, 2017, 79, 593-602.	1.3	0
24	Unpredictability does not hamper nonretinotopic motion perception. Journal of Vision, 2017, 17, 6.	0.3	4
25	Non-retinotopic feature integration is mandatory and precise. Journal of Vision, 2017, 17, 215.	0.3	0
26	The Reference Frame for Encoding and Retention of Motion-Direction Information Depends on Stimulus Set-size. Journal of Vision, 2017, 17, 436.	0.3	0
27	Motion-based nearest vector metric for reference frame selection in the perception of motion. Journal of Vision, 2016, 16, 14.	0.3	6
28	Retinotopic encoding of the Ternus-Pikler display reflected in the early visual areas. Journal of Vision, 2016, 16, 26.	0.3	6
29	A New Conceptualization of Human Visual Sensory-Memory. Frontiers in Psychology, 2016, 7, 830.	2.1	32
30	A computational model for reference-frame synthesis with applications to motion perception. Vision Research, 2016, 126, 242-253.	1.4	13
31	Local versus global and retinotopic versus non-retinotopic motion processing in schizophrenia patients. Psychiatry Research, 2016, 246, 461-465.	3.3	6
32	Unmasking saccadic uncrowding. Vision Research, 2016, 127, 152-164.	1.4	7
33	Metacontrast masking and attention do not interact. Attention, Perception, and Psychophysics, 2016, 78, 1363-1380.	1.3	13
34	EEG Correlates of Relative Motion Encoding. Brain Topography, 2016, 29, 273-282.	1.8	3
35	Putting low-level vision into global context: Why vision cannot be reduced to basic circuits. Vision Research, 2016, 126, 9-18.	1.4	17
36	Attention and Metacontrast Masking do not Interact. Journal of Vision, 2016, 16, 1267.	0.3	1

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37	How do Endogenous Attention, Exogenous Attention and Metacontrast Masking Operate in Controlling Stimulus Visibility?. Journal of Vision, 2016, 16, 898.	0.3	3
38	Stream specificity and asymmetries in feature binding and content-addressable access in visual encoding and memory. Journal of Vision, 2015, 15, 14.	0.3	13
39	Field-like interactions between motion-based reference frames. Attention, Perception, and Psychophysics, 2015, 77, 2082-2097.	1.3	6
40	The effective reference frame in perceptual judgments of motion direction. Vision Research, 2015, 107, 101-112.	1.4	8
41	Feedforward and feedback processes in vision. Frontiers in Psychology, 2015, 6, 279.	2.1	27
42	Spatial properties of non-retinotopic reference frames in human vision. Vision Research, 2015, 113, 44-54.	1.4	7
43	Retinotopy of visual masking and non-retinotopic perception during masking. Attention, Perception, and Psychophysics, 2015, 77, 1263-1284.	1.3	13
44	A statistical perspective to visual masking. Vision Research, 2015, 115, 23-39.	1.4	20
45	Sensory Memory is Allocated Exclusively to the Current Event Segment. Journal of Vision, 2015, 15, 86.	0.3	1
46	Predictability, efference copies, and non-retinotopic motion. Journal of Vision, 2015, 15, 1184.	0.3	0
47	EEG and fMRI correlates of non-retinotopic motion processing in the human visual system. Journal of Vision, 2015, 15, 1183.	0.3	0
48	Reference-Frame Selection in Motion Perception. Journal of Vision, 2015, 15, 284.	0.3	1
49	Invisibility and interpretation. Frontiers in Psychology, 2014, 5, 975.	2.1	7
50	Facilitation by exogenous attention for static and dynamic gestalt groups. Attention, Perception, and Psychophysics, 2014, 76, 1709-1720.	1.3	5
51	Tracing path-guided apparent motion in human primary visual cortex V1. Scientific Reports, 2014, 4, 6063.	3.3	10
52	Does spatio-temporal filtering account for nonretinotopic motion perception? Comment on Pooresmaeili, Cicchini, Morrone, and Burr (2012). Journal of Vision, 2013, 13, 19-19.	0.3	7
53	Bottlenecks of Motion Processing during a Visual Glance: The Leaky Flask Model. PLoS ONE, 2013, 8, e83671.	2.5	26
54	Non-retinotopic feature processing in the absence of retinotopic spatial layout and the construction of perceptual space from motion. Vision Research, 2012, 71, 10-17.	1.4	16

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55	Misperceptions in the Trajectories of Objects undergoing Curvilinear Motion. PLoS ONE, 2012, 7, e36511.	2.5	0
56	The Fate of Visible Features of Invisible Elements. Frontiers in Psychology, 2012, 3, 119.	2.1	8
57	Attention modulates spatio-temporal grouping. Vision Research, 2011, 51, 435-446.	1.4	15
58	Barrier effects in non-retinotopic feature attribution. Vision Research, 2011, 51, 1861-1871.	1.4	3
59	Nonretinotopic Exogenous Attention. Current Biology, 2011, 21, 1732-1737.	3.9	36
60	Motion and tilt aftereffects occur largely in retinal, not in object, coordinates in the Ternus-Pikler display. Journal of Vision, 2011, 11, 7-7.	0.3	21
61	Matching and correlation computations in stereoscopic depth perception. Journal of Vision, 2011, 11, 1-1.	0.3	48
62	The Geometry of Visual Perception: Retinotopic and Nonretinotopic Representations in the Human Visual System. Proceedings of the IEEE, 2010, 98, 479-492.	21.3	56
63	Attention and non-retinotopic feature integration. Journal of Vision, 2010, 10, 8-8.	0.3	15
64	High-capacity, transient retention of direction-of-motion information for multiple moving objects. Journal of Vision, 2010, 10, 8-8.	0.3	34
65	Perceptual Learning in a Nonretinotopic Frame of Reference. Psychological Science, 2010, 21, 1058-1063.	3.3	19
66	Dissociation between visual awareness and sensori-motor performance fails in paracontrast but not metacontrast. Journal of Vision, 2010, 2, 19-19.	0.3	0
67	Transient and steady-state phases of position computation for a moving target. Journal of Vision, 2010, 3, 393-393.	0.3	0
68	Shape distortions and Gestalt grouping inanorthoscopic perception. Journal of Vision, 2009, 9, 8-8.	0.3	9
69	Task influences on the dynamic properties of fast eye movements. Journal of Vision, 2009, 9, 1-1.	0.3	24
70	A (fascinating) litmus test for human retino- vs.non-retinotopic processing. Journal of Vision, 2009, 9, 5-5.	0.3	56
71	Effects of contrast polarity in paracontrast masking. Attention, Perception, and Psychophysics, 2009, 71, 1576-1587.	1.3	9
72	Feature integration across space, time, and orientation.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1670-1686.	0.9	27

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73	Functional hierarchies of nonconscious visual processing. Vision Research, 2008, 48, 1509-1513.	1.4	18
74	Perceived speed differences explain apparent compression in slit viewing. Vision Research, 2008, 48, 1603-1612.	1.4	13
75	Metacontrast masking and stimulus contrast polarity. Vision Research, 2008, 48, 2433-2438.	1.4	13
76	Moving backward through perceptual compensation. Behavioral and Brain Sciences, 2008, 31, 212-213.	0.7	0
77	Neurophysiology of compensation for time delays: Visual prediction is off track. Behavioral and Brain Sciences, 2008, 31, 214-214.	0.7	0
78	Motion, Not Masking, Provides the Medium for Feature Attribution. Psychological Science, 2008, 19, 823-829.	3.3	16
79	Metacontrast, target recovery, and the magno- and parvocellular systems: A reply to the perspective. Visual Neuroscience, 2008, 25, 611-616.	1.0	11
80	Inhibitory surround and grouping effects in human and computational multiple object tracking. , 2008, , .		1
81	Assessing the microstructure of motion correspondences with non-retinotopic feature attribution. Journal of Vision, 2008, 8, 16.	0.3	17
82	Feature Fusion Reveals Slow and Fast Visual Memories. Journal of Cognitive Neuroscience, 2007, 19, 632-641.	2.3	32
83	Visual masking and the dynamics of human perception, cognition, and consciousness: <i>A century of progress, a contemporary synthesis, and future directions</i>. Advances in Cognitive Psychology, 2007, 3, 1-8.	0.5	20
84	Attraction of flashes to moving dots. Vision Research, 2007, 47, 2603-2615.	1.4	7
85	Unconscious, stimulus-dependent priming and conscious, percept-dependent priming with chromatic stimuli. Perception & Psychophysics, 2007, 69, 550-557.	2.3	31
86	A theory of moving form perception: Synergy between masking, perceptual grouping, and motion computation in retinotopic and non-retinotopic representations. Advances in Cognitive Psychology, 2007, 3, 67-84.	0.5	39
87	Perceptual grouping induces non-retinotopic feature attribution in human vision. Vision Research, 2006, 46, 3234-3242.	1.4	97
88	Meta- and paracontrast reveal differences between contour- and brightness-processing mechanisms. Vision Research, 2006, 46, 2645-2658.	1.4	75
89	Target recovery in metacontrast: The effect of contrast. Vision Research, 2006, 46, 4726-4734.	1.4	26
90	The flight path of the phoenixâ€"The visible trace of invisible elements in human vision. Journal of Vision, 2006, 6, 7.	0.3	70

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91	Unconscious and conscious priming by forms and their parts. Visual Cognition, 2005, 12, 720-736.	1.6	35
92	A comparison of masking by visual and transcranial magnetic stimulation: implications for the study of conscious and unconscious visual processing. Consciousness and Cognition, 2004, 13, 829-843.	1.5	48
93	Unconscious priming by color and form: Different processes and levels. Consciousness and Cognition, 2004, 13, 138-157.	1.5	60
94	Differential latencies and the dynamics of the position computation process for moving targets, assessed with the flash-lag effect. Vision Research, 2004, 44, 2109-2128.	1.4	93
95	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
96	The what and where in visual masking. Vision Research, 2003, 43, 1337-1350.	1.4	140
97	Color and motion: which is the tortoise and which is the hare?. Vision Research, 2003, 43, 2403-2412.	1.4	59
98	Stereoscopic depth perception from oblique phase disparities. Vision Research, 2003, 43, 2479-2492.	1.4	21
99	Suprathreshold Intrinsic Dynamics of the Human Visual System. Neural Computation, 2003, 15, 2883-2908.	2.2	5
100	Effect of exposure duration, contrast and base blur on coding and discrimination of edges. Spatial Vision, 2002, 15, 341-376.	1.4	7
101	Vergence Dynamics Predict Fixation Disparity. Neural Computation, 2001, 13, 1495-1525.	2.2	25
102	Analogue integrated-circuit design for sustained neurons in a fly. Electronics Letters, 2001, 37, 867.	1.0	0
103	Gamma-range oscillations in backward-masking functions and their putative neural correlates.. Psychological Review, 2000, 107, 556-577.	3.8	40
104	Fuzzy PID controller: Design, performance evaluation, and stability analysis. Information Sciences, 2000, 123, 249-270.	6.9	245
105	Recent models and findings in visual backward masking: A comparison, review, and update. Perception & Psychophysics, 2000, 62, 1572-1595.	2.3	436
106	Flash-Lag Effect: Differential Latency, Not Postdiction. Science, 2000, 290, 1051a-1051.	12.6	80
107	Nonlinear Alteration of Transient Vergence Dynamics After Sustained Convergence. Optometry and Vision Science, 1999, 76, 656-663.	1.2	16
108	Moving ahead through differential visual latency. Nature, 1998, 396, 424-424.	27.8	199

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109	Neural network model of on-off units in the fly visual system: simulations of dynamic behavior. Biological Cybernetics, 1998, 78, 399-412.	1.3	7
110	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 Investigative Ophthalmology and Visual Science 36, S52.1. Vision Research, 1998, 38, 1827-1842.	1.4	37
111	Self-organization via active exploration: hardware implementation of a neural robot. Robotica, 1998, 16, 127-141.	1.9	0
112	Identifying chaotic systems via a Wiener-type cascade model. IEEE Control Systems, 1997, 17, 29-36.	0.8	76
113	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 Investigative Ophthalmology & Visual Science, 36, S457.1. Vision Research, 1997, 37, 1383-1399.	1.4	42
114	Two-dot alignment across the physiological blind spot. Vision Research, 1996, 36, 1585-1596.	1.4	17
115	A unified analysis of alpha rhythm, fast synchronized oscillations, and flash visual evoked potentials. Neural Networks, 1996, 9, 223-242.	5.9	6
116	Perceived length across the physiological blind spot. Visual Neuroscience, 1995, 12, 385-402.	1.0	68
117	A target in real motion appears blurred in the absence of other proximal moving targets. Vision Research, 1995, 35, 2315-2328.	1.4	92
118	Quantitative studies of fly visual sustained neurons. International Journal of Bio-medical Computing, 1994, 36, 299-310.	0.5	1
119	Continuous-time global computer vision with analog, specialized, and interacting neural networks. Information Sciences, 1993, 70, 5-25.	6.9	0
120	A neural theory of retino-cortical dynamics. Neural Networks, 1993, 6, 245-273.	5.9	84
121	A neural model for nonassociative learning in a prototypical sensory-motor scheme: the landing reaction in flies. Biological Cybernetics, 1993, 68, 351-361.	1.3	5
122	Modified extended Kalman filtering for supervised learning. International Journal of Systems Science, 1993, 24, 1207-1214.	5.5	10
123	<title>Some neural correlates of sensorial and cognitive control of behavior</title>. , 1992, , .		0
124	Landscape reshaping algorithm for additive neural networks with application to graph mapping problems. Electronics Letters, 1992, 28, 109.	1.0	0
125	Neural network model of dynamic form perception: implications of retinal persistence and extraretinal sharpening for the perception of moving boundaries. , 1991, 1606, 350.		0
126	Neural network architectures for motion perception and elementary motion detection in the fly visual system. Neural Networks, 1990, 3, 487-505.	5.9	74

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127	Neural models for sustained and ON-OFF units of insect lamina. Biological Cybernetics, 1990, 63, 51-60.	1.3	41
128	Short range motion detection in the insect visual system. Neural Networks, 1988, 1, 519.	5.9	4
129	Phototransduction in invertebrates. Biological Cybernetics, 1987, 56, 27-35.	1.3	4
130	Detecting oscillations in neural networks via frequency domain analysis. , 0, , .		0
131	Contributions of Parvocelular and Magnocellular Pathways to Metacontrast and Target Recovery. , 0, , .		0
132	Probing Oscillatory Visual Dynamics at The Perceptual Level. , 0, , 615-625.		0
133	Apparent Motion and Reference Frames. , 0, , .		4
134	Perceptual asynchronies and the dual-channel differential latency hypothesis. , 0, , 379-395.		1