List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3129572/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Decomposing biological motion: A framework for analysis and synthesis of human gait patterns. Journal of Vision, 2002, 2, 2.	0.3	766
2	AMASS: Archive of Motion Capture As Surface Shapes. , 2019, , .		417
3	The Inversion Effect in Biological Motion Perception: Evidence for a "Life Detector�. Current Biology, 2006, 16, 821-824.	3.9	374
4	Face recognition under varying poses: The role of texture and shape. Vision Research, 1996, 36, 1761-1771.	1.4	369
5	Embodiment of Sadness and Depression—Gait Patterns Associated With Dysphoric Mood. Psychosomatic Medicine, 2009, 71, 580-587.	2.0	320
6	Person identification from biological motion: Effects of structural and kinematic cues. Perception & Psychophysics, 2005, 67, 667-675.	2.3	214
7	Perception of biological motion in autism spectrum disorders. Neuropsychologia, 2008, 46, 1480-1494.	1.6	188
8	Exploring motor system contributions to the perception of social information: Evidence from EEG activity in the mu/alpha frequency range. Social Neuroscience, 2010, 5, 272-284.	1.3	124
9	Structural encoding and recognition of biological motion: evidence from event-related potentials and source analysis. Behavioural Brain Research, 2005, 157, 195-204.	2.2	108
10	Adaptation aftereffects in the perception of gender from biological motion. Journal of Vision, 2006, 6, 7.	0.3	106
11	Characterizing global and local mechanisms in biological motion perception. Journal of Vision, 2009, 9, 8-8.	0.3	104
12	Self Recognition versus Recognition of others by Biological Motion: Viewpoint-Dependent Effects. Perception, 2006, 35, 911-920.	1.2	100
13	Short-term mating strategies and attraction to masculinity in point-light walkers. Evolution and Human Behavior, 2008, 29, 65-69.	2.2	98
14	No evidence for impaired perception of biological motion in adults with autistic spectrum disorders. Neuropsychologia, 2009, 47, 3225-3235.	1.6	93
15	Acceleration carries the local inversion effect in biological motion perception. Journal of Vision, 2009, 9, 19-19.	0.3	91
16	Audiovisual phenomenal causality. Perception & Psychophysics, 2003, 65, 789-800.	2.3	89
17	Categorical learning in pigeons: the role of texture and shape in complex static stimuli. Vision Research, 1999, 39, 353-366.	1.4	88
18	How we walk affects what we remember: Gait modifications through biofeedback change negative affective memory bias. Journal of Behavior Therapy and Experimental Psychiatry, 2015, 46, 121-125.	1.2	84

#	Article	IF	CITATIONS
19	How is bilateral symmetry of human faces used for recognition of novel views?. Vision Research, 1998, 38, 79-89.	1.4	80
20	Perception of animacy and direction from local biological motion signals. Journal of Vision, 2008, 8, 3.	0.3	77
21	Eye Movements When Observing Predictable and Unpredictable Actions. Journal of Neurophysiology, 2006, 96, 1358-1369.	1.8	76
22	Influence of bone-conducted vibration on simulator sickness in virtual reality. PLoS ONE, 2018, 13, e0194137.	2.5	71
23	Correlated changes in perceptions of the gender and orientation of ambiguous biological motion figures. Current Biology, 2008, 18, R728-R729.	3.9	70
24	Inter-joint coupling and joint angle synergies of human catching movements. Human Movement Science, 2010, 29, 73-93.	1.4	69
25	IQ Predicts Biological Motion Perception in Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2012, 42, 557-565.	2.7	69
26	Reference Frames for Orientation Anisotropies in Face Recognition and Biological-Motion Perception. Perception, 2003, 32, 201-210.	1.2	66
27	Lateralized activation of Cluster $\hat{a} \in f N$ in the brains of migratory songbirds. European Journal of Neuroscience, 2007, 25, 1166-1173.	2.6	65
28	Peripheral vision: Good for biological motion, bad for signal noise segregation?. Journal of Vision, 2007, 7, 12.	0.3	60
29	Viewpoint-Dependent Recognition of Familiar Faces. Perception, 1999, 28, 483-487.	1.2	59
30	12 Retrieving Information from Human Movement Patterns. , 2008, , 308-334.		59
31	Biological motion as a cue for the perception of size. Journal of Vision, 2003, 3, 1-1.	0.3	58
32	Static and dynamic body image in bulimia nervosa: Mental representation of body dimensions and biological motion patterns. International Journal of Eating Disorders, 2007, 40, 59-66.	4.0	58
33	The facing bias in biological motion perception: Effects of stimulus gender and observer sex. Attention, Perception, and Psychophysics, 2010, 72, 1256-1260.	1.3	56
34	Kinematic cues for person identification from biological motion. Perception & Psychophysics, 2007, 69, 241-253.	2.3	51
35	What do you mean with "direction� Local and global cues to biological motion perception in pigeons. Vision Research, 2013, 79, 47-55.	1.4	51
36	View-independent person identification from human gait. Neurocomputing, 2005, 69, 250-256.	5.9	50

#	Article	IF	CITATIONS
37	What Is Biological Motion? Definition, Stimuli, and Paradigms. , 2013, , 13-36.		48
38	Differential involvement of the cerebellum in biological and coherent motion perception. European Journal of Neuroscience, 2005, 21, 3439-3446.	2.6	47
39	Face Recognition Is Affected by Similarity in Spatial Frequency Range to a Greater Degree Than Within-Category Object Recognition Journal of Experimental Psychology: Human Perception and Performance, 2004, 30, 975-987.	0.9	46
40	Young Infants Detect the Direction of Biological Motion in Point‣ight Displays. Infancy, 2010, 15, 83-93.	1.6	43
41	Vection Latency Is Reduced by Bone-Conducted Vibration and Noisy Galvanic Vestibular Stimulation. Multisensory Research, 2017, 30, 65-90.	1.1	43
42	Enhancing Depth Perception in Translucent Volumes. IEEE Transactions on Visualization and Computer Graphics, 2006, 12, 1117-1124.	4.4	42
43	Differences in the Nature of Body Image Disturbances Between Female Obese Individuals With Versus Without a Comorbid Binge Eating Disorder: An Exploratory Study Including Static and Dynamic Aspects of Body Image. Behavior Modification, 2011, 35, 162-186.	1.6	41
44	Heritable aspects of biological motion perception and its covariation with autistic traits. Proceedings of the United States of America, 2018, 115, 1937-1942.	7.1	40
45	The facing bias in biological motion perception: structure, kinematics, and body parts. Attention, Perception, and Psychophysics, 2011, 73, 130-143.	1.3	38
46	Body Configuration Modulates the Usage of Local Cues to Direction in Biological-Motion Perception. Psychological Science, 2011, 22, 1543-1549.	3.3	38
47	Objectively Differentiating Movement Patterns between Elite and Novice Athletes. Medicine and Science in Sports and Exercise, 2018, 50, 1457-1464.	0.4	38
48	Head-bobbing in pigeons: how stable is the hold phase?. Journal of Experimental Biology, 2000, 203, 935-40.	1.7	37
49	MoVi: A large multi-purpose human motion and video dataset. PLoS ONE, 2021, 16, e0253157.	2.5	35
50	The Viewing-from-Above Bias and the Silhouette Illusion. I-Perception, 2010, 1, 143-148.	1.4	34
51	Sight restoration after congenital blindness does not reinstate alpha oscillatory activity in humans. Scientific Reports, 2016, 6, 24683.	3.3	33
52	Differences in Gait Across the Menstrual Cycle and Their Attractiveness to Men. Archives of Sexual Behavior, 2008, 37, 598-604.	1.9	32
53	The neural development of the biological motion processing system does not rely on early visual input. Cortex, 2015, 71, 359-367.	2.4	32
54	Cortical and subcortical responses to biological motion. NeuroImage, 2018, 174, 87-96.	4.2	30

#	Article	IF	CITATIONS
55	Motion processing after sight restoration: No competition between visual recovery and auditory compensation. Neurolmage, 2018, 167, 284-296.	4.2	30
56	Integrating situational probability and kinematic information when anticipating disguised movements. Psychology of Sport and Exercise, 2020, 46, 101607.	2.1	30
57	Gender bending: auditory cues affect visual judgements of gender in biological motion displays. Experimental Brain Research, 2009, 198, 373-382.	1.5	29
58	Off on the Wrong Foot: Local Features in Biological Motion. Perception, 2009, 38, 522-532.	1.2	29
59	Do rats (Rattus norvegicus) perceive biological motion?. Experimental Brain Research, 2010, 205, 571-576.	1.5	28
60	Allocation of attention to biological motion: Local motion dominates global shape. Journal of Vision, 2011, 11, 4-4.	0.3	27
61	Motion as a cue for viewpoint invariance. Visual Cognition, 2005, 12, 1291-1308.	1.6	26
62	Towards a "virtual pigeon― A new technique for investigating avian social perception. Animal Cognition, 2006, 9, 271-279.	1.8	25
63	Stimulus magnification equates identification and discrimination of biological motion across the visual field. Vision Research, 2008, 48, 2827-2834.	1.4	25
64	Gaze patterns during perception of direction and gender from biological motion. Journal of Vision, 2010, 10, 9-9.	0.3	25
65	Illumination-Induced Apparent Shift in Orientation of Human Heads. Perception, 1998, 27, 671-680.	1.2	24
66	bmlTUX: Design and Control of Experiments in Virtual Reality and Beyond. I-Perception, 2020, 11, 204166952093840.	1.4	24
67	Both Physical Exercise and Progressive Muscle Relaxation Reduce the Facing-the-Viewer Bias in Biological Motion Perception. PLoS ONE, 2014, 9, e99902.	2.5	24
68	Human attributes from 3D pose tracking. Computer Vision and Image Understanding, 2012, 116, 648-660.	4.7	21
69	Walking direction triggers visuo-spatial orienting in 6-month-old infants and adults: An eye tracking study. Cognition, 2015, 141, 112-120.	2.2	21
70	Domain-Specific and Unspecific Reaction Times in Experienced Team Handball Goalkeepers and Novices. Frontiers in Psychology, 2016, 7, 882.	2.1	21
71	The Effect of Looming and Receding Sounds on the Perceived In-Depth Orientation of Depth-Ambiguous Biological Motion Figures. PLoS ONE, 2011, 6, e14725.	2.5	20
72	Comparing Biological Motion Perception in Two Distinct Human Societies. PLoS ONE, 2011, 6, e28391.	2.5	19

#	Article	IF	CITATIONS
73	Human Attributes from 3D Pose Tracking. Lecture Notes in Computer Science, 2010, , 243-257.	1.3	19
74	Limits of peripheral direction discrimination of point-light walkers. Journal of Vision, 2010, 10, 1-17.	0.3	18
75	Frames of reference for biological motion and face perception. Journal of Vision, 2010, 10, 22-22.	0.3	18
76	Embodied effects of mindfulness-based cognitive therapy. Journal of Psychosomatic Research, 2010, 68, 312-313.	2.6	18
77	Healthy Older Observers Cannot Use Biological-Motion Point-Light Information Efficiently within 4 m of Themselves. I-Perception, 2012, 3, 104-111.	1.4	18
78	Pigeons use distinct stop phases to control pecking. Journal of Experimental Biology, 2017, 220, 437-444.	1.7	18
79	Range- and domain-specific exaggeration of facial speech. Journal of Vision, 2005, 5, 4.	0.3	17
80	Vision during head bobbing: are pigeons capable of shape discrimination during the thrust phase?. Experimental Brain Research, 2009, 199, 313-321.	1.5	17
81	Probabilistic Character Motion Synthesis using a Hierarchical Deep Latent Variable Model. Computer Graphics Forum, 2020, 39, 225-239.	3.0	17
82	The relationship between social anxiety and the perception of depth-ambiguous biological motion stimuli is mediated by inhibitory ability. Acta Psychologica, 2015, 157, 93-100.	1.5	16
83	Electrophysiological and anatomical evidence for a direct projection from the nucleus of the basal optic root to the nucleus rotundus in pigeons. Neuroscience Letters, 2001, 305, 103-106.	2.1	15
84	Amblyopic perception of biological motion. Journal of Vision, 2008, 8, 22.	0.3	15
85	Biological motion perception is cue-invariant. Journal of Vision, 2008, 8, 6-6.	0.3	14
86	What causes the facing-the-viewer bias in biological motion?. Journal of Vision, 2014, 14, 10-10.	0.3	13
87	Auto-labelling of Markers in Optical Motion Capture by Permutation Learning. Lecture Notes in Computer Science, 2019, , 167-178.	1.3	13
88	3D Periodic Human Motion Reconstruction from 2D Motion Sequences. Neural Computation, 2007, 19, 1400-1421.	2.2	12
89	Limits of intraocular and interocular transfer in pigeons. Behavioural Brain Research, 2008, 193, 69-78.	2.2	12
90	High complexity of aquatic irradiance may have driven the evolution of four-dimensional colour vision in shallow-water fish. Journal of Experimental Biology, 2013, 216, 1670-82.	1.7	11

#	Article	IF	CITATIONS
91	Functional characterisation of the chromatically antagonistic photosensitive mechanism of erythrophores in the tilapia <i>Oreochromis niloticus</i> . Journal of Experimental Biology, 2015, 218, 748-756.	1.7	11
92	Reality Check. Perception, 2019, 48, 1033-1038.	1.2	11
93	Biological Action Identification Does Not Require Early Visual Input for Development. ENeuro, 2020, 7, ENEURO.0534-19.2020.	1.9	11
94	Limits of dynamic object perception in pigeons: Dynamic stimulus presentation does not enhance perception and discrimination of complex shape. Learning and Behavior, 2006, 34, 71-85.	1.0	10
95	Local and global aspects of biological motion perception in children born at very low birth weight. Child Neuropsychology, 2015, 21, 603-628.	1.3	10
96	Internal consistency predicts attractiveness in biological motion walkers. Evolution and Human Behavior, 2016, 37, 40-46.	2.2	10
97	Head Stabilization in the Pigeon: Role of Vision to Correct for Translational and Rotational Disturbances. Frontiers in Neuroscience, 2017, 11, 551.	2.8	10
98	Movement markers of schizophrenia: a detailed analysis of patients' gait patterns. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 1347-1364.	3.2	10
99	Classifying Elite From Novice Athletes Using Simulated Wearable Sensor Data. Frontiers in Bioengineering and Biotechnology, 2020, 8, 814.	4.1	9
100	Spatiotemporal dynamics of responses to biological motion in the human brain. Cortex, 2021, 136, 124-139.	2.4	9
101	Assessing threat responses towards the symptoms and diagnosis of schizophrenia using visual perceptual biases. Schizophrenia Research, 2014, 159, 238-242.	2.0	8
102	The influence of motion quality on responses towards video playback stimuli. Biology Open, 2015, 4, 803-811.	1.2	8
103	Familiarity and preference for pitch probability profiles. Cognitive Processing, 2015, 16, 211-218.	1.4	8
104	Priming biological motion changes extrapersonal space categorization. Acta Psychologica, 2017, 172, 77-83.	1.5	8
105	Perception of biological motion at varying eccentricity. Journal of Vision, 2010, 5, 16-16.	0.3	8
106	Peripheral sensitivity to biological motion conveyed by first and second-order signals. Vision Research, 2010, 50, 127-135.	1.4	7
107	Kinematic patterns underlying disguised movements: Spatial and temporal dissimilarity compared to genuine movement patterns. Human Movement Science, 2017, 54, 308-319.	1.4	7
108	Social interactivity in pigeon courtship behavior. Environmental Epigenetics, 2017, 63, 85-95.	1.8	7

#	Article	IF	CITATIONS
109	Cognition modulates action-to-perception transfer in ambiguous perception. Journal of Vision, 2018, 18, 5.	0.3	7
110	Gender and attractiveness from biological motion. Journal of Vision, 2010, 3, 86-86.	0.3	7
111	A pedestrian courtship: Attractiveness and symmetry of humans walking. Journal of Vision, 2010, 6, 797-797.	0.3	6
112	Timing of ascending and descending visual signals predicts the response mode of single cells in the thalamic nucleus rotundus of the pigeon (Columba livia). Brain Research, 2007, 1132, 100-109.	2.2	5
113	Prediction of action outcome: Effects of available information about body structure. Attention, Perception, and Psychophysics, 2020, 82, 2076-2084.	1.3	5
114	Inverted gravity, not inverted shape impairs biological motion perception. Journal of Vision, 2004, 4, 227-227.	0.3	5
115	Perceptual Effects of Inconsistency in Human Animations. ACM Transactions on Applied Perception, 2019, 16, 1-18.	1.9	4
116	The local inversion effect in biological motion perception is acceleration-based. Journal of Vision, 2010, 8, 911-911.	0.3	4
117	Phenomenal Competition for Poses of the Human Head. Perception, 1996, 25, 367-368.	1.2	3
118	Motion database of disguised and non-disguised team handball penalty throws by novice and expert performers. Data in Brief, 2017, 15, 981-986.	1.0	3
119	Inverting the Facing-the-Viewer Bias for Biological Motion Stimuli. I-Perception, 2018, 9, 204166951775017.	1.4	3
120	Does anxiety induced by social interaction influence the perception of bistable biological motion?. Acta Psychologica, 2021, 215, 103277.	1.5	3
121	The role of binocular disparity and active motion parallax in cybersickness. Experimental Brain Research, 2021, 239, 2649-2660.	1.5	3
122	A test battery for assessing biological motion perception. Journal of Vision, 2011, 11, 686-686.	0.3	3
123	Detection of direction in scrambled motion: a simple "life detector"?. Journal of Vision, 2005, 5, 1058-1058.	0.3	3
124	Short and long term representation of an unfamiliar tone distribution. PeerJ, 2016, 4, e2399.	2.0	3
125	Human (but not animal) motion can be recognized at first sight – After treatment for congenital blindness. Neuropsychologia, 2022, 174, 108307.	1.6	3
126	Biological motion distorts size perception. Scientific Reports, 2017, 7, 42576.	3.3	2

#	Article	IF	CITATIONS
127	The role of avatar fidelity and sex on self-motion recognition. , 2018, , .		2
128	Does co-presence affect the way we perceive and respond to emotional interactions?. Experimental Brain Research, 2021, 239, 923-936.	1.5	2
129	Perceptual biases in biological motion perception and other depth-ambiguous stimuli. Journal of Vision, 2010, 10, 792-792.	0.3	2
130	Perceived naturalness of human motion depends on internal consistency. Journal of Vision, 2012, 12, 466-466.	0.3	2
131	Attractiveness, averageness, and sexual dimorphism in biological motion. Journal of Vision, 2005, 5, 943-943.	0.3	2
132	A right-facing bias in the processing of biological motion?. Journal of Vision, 2010, 8, 913-913.	0.3	2
133	Biological motion as a cue for the perception of absolute size. Journal of Vision, 2010, 1, 357-357.	0.3	2
134	Walk-through Metal Detector Testing and the Need to Emulate Natural Body Motion. Journal of Testing and Evaluation, 2019, 47, 627-639.	0.7	2
135	Experimental design with Unity Game Engine. Journal of Vision, 2020, 20, 810.	0.3	2
136	bmlSUP – A SMPL Unity Player. , 2021, , .		1
137	Decomposing biological motion: A linear model for analysis and synthesis of human gait patterns. Journal of Vision, 2010, 1, 355-355.	0.3	1
138	Searching for a "super foot" with evolutionary-guided adaptive psychophysics. Journal of Vision, 2010, 10, 784-784.	0.3	1
139	Bootstrapping a prior? Effects of experience on the facing bias in biological motion perception. Journal of Vision, 2011, 11, 692-692.	0.3	1
140	Self recognition versus recognition of others by biological motion: Viewpoint-dependent effects. Journal of Vision, 2004, 4, 237-237.	0.3	1
141	Visual sensitivity to acceleration: Effects of motion orientation, velocity, and size. Journal of Vision, 2010, 9, 686-686.	0.3	1
142	Exploring Individual Differences in Perceptual Biases in Depth-Ambiguous Point-Light Walkers. Journal of Vision, 2012, 12, 465-465.	0.3	1
143	Spatiotemporal dissimilarity influences the perceptual discriminability of deceptive and non-deceptive throwing. Journal of Vision, 2016, 16, 278.	0.3	1
144	The Role of Sexual Dimorphism in the Perception of Attractiveness and Confidence. Journal of Vision, 2020, 20, 878.	0.3	1

#	Article	IF	CITATIONS
145	Head-bobbing in the Ring-billed Gull (<i>Larus delawarensis</i>). Canadian Field-Naturalist, 2016, 130, 174.	0.1	0
146	Effects of animation retargeting on perceived action outcomes. , 2017, , .		0
147	Person identification from biological motion: information content of discrete Fourier components. Journal of Vision, 2004, 4, 217-217.	0.3	0
148	Biological motion versus coherent motion perception: The role of the cerebellum. Journal of Vision, 2005, 5, 934-934.	0.3	0
149	Biological motion targets have to be further away in virtual space for older versus younger adults to maintain good performance. Journal of Vision, 2010, 9, 621-621.	0.3	0
150	Intact biological motion processing in adults with autism. Journal of Vision, 2010, 9, 624-624.	0.3	0
151	An illumination induced visual illusion that affects the perceived width of a human head. Journal of Vision, 2010, 1, 290-290.	0.3	0
152	Local motion versus global shape in biological motion: A reflexive orientation task. Journal of Vision, 2010, 10, 786-786.	0.3	0
153	Distributions of fixations on biological motion displays depend on the task: Direction discrimination vs. gender classification. Journal of Vision, 2010, 10, 795-795.	0.3	0
154	Can we perceive linear perspective in biological motion point-light displays?. Journal of Vision, 2013, 13, 188-188.	0.3	0
155	Does a convexity prior explain the facing-the-viewer bias in the perception of biological motion?. Journal of Vision, 2013, 13, 187-187.	0.3	0
156	Physical Exercise Reduces the Facing-the-Viewer Bias for Biological Motion Stimuli. Journal of Vision, 2014, 14, 1015-1015.	0.3	0
157	Stick figures and point-light displays: Effects of inversion on the facing-the-viewer bias. Journal of Vision, 2014, 14, 1024-1024.	0.3	0
158	Effects of movement-shape inconsistencies on perceived weight of lifted boxes Journal of Vision, 2016, 16, 276.	0.3	0
159	Biological motion distorts size perception. Journal of Vision, 2016, 16, 282.	0.3	0
160	Vection is facilitated by bone conducted vibration and galvanic vestibular stimulation. Journal of Vision, 2016, 16, 1203.	0.3	0
161	Subcortical and cortical responses to local biological motion as revealed by fMRI and MEG. Journal of Vision, 2017, 17, 64.	0.3	0
162	Cognitive models modulate action-perception coupling in perceptual multistability. Journal of Vision, 2018, 18, 669.	0.3	0

#	Article	IF	CITATIONS
163	Visual-motor mapping in VR: Detection thresholds for distortions of hand position. Journal of Vision, 2018, 18, 68.	0.3	Ο
164	The size of objects in visual space compared to pictorial space. Journal of Vision, 2019, 19, 16.	0.3	0
165	How the Brain Learns to See Biological Motion After Recovering from Visual Deprivation. Journal of Vision, 2019, 19, 191a.	0.3	0
166	Panel: Bodily Expressed Emotion Understanding Research: A Multidisciplinary Perspective. Lecture Notes in Computer Science, 2020, , 733-746.	1.3	0
167	Stereopsis Aids Perceived Distance Based on An Exocentric Pointing Task. Journal of Vision, 2020, 20, 1171.	0.3	0
168	Electrophysiological and behavioral indicators of musical knowledge about unfamiliar music. Scientific Reports, 2022, 12, 441.	3.3	0