Shinâ€ya Nishida

List of Publications by Year
in descending order

169	5,477	93792	104191
papers	citations	39 h-index	69 g-index

179	179	179	3176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visual discrimination of optical material properties: A large-scale study. Journal of Vision, 2022, 22, 17.	0.1	6
2	Motion Direction Discrimination with Tactile Random-Dot Kinematograms. I-Perception, 2021, 12, 204166952110046.	0.8	5
3	Describing the Sensation of the â€˜Velvet Hand Illusionâ€™ in Terms of Common Materials. IEEE Transactions on Haptics, 2021, 14, 680-685.	1.8	3
4	The roles of lower- and higher-order surface statistics in tactile texture perception. Journal of Neurophysiology, 2021, 126, 95-111.	0.9	5
5	Towards acquisition of shape bias: Training convolutional neural networks with blurred images. Journal of Vision, 2021, 21, 2275.	0.1	2
6	Direction of Apparent Motion During Smooth Pursuit Is Determined Using a Mixture of Retinal and Objective Proximities. I-Perception, 2020, 11, 204166952093732.	0.8	2
7	Visual perception of liquids: Insights from deep neural networks. PLoS Computational Biology, 2020, 16, e1008018.	1.5	11
8	Object motion and flow variance across optical contexts. Journal of Vision, 2020, 20, 458.	0.1	0
9	Examination of the applicability of web-based vision tests embedded in games. Journal of Vision, 2020, 20, 899.	0.1	0
10	Visual perception of liquids: Insights from deep neural networks. , 2020, 16, e1008018.		0
11	Visual perception of liquids: Insights from deep neural networks. , 2020, 16, e1008018.		0
12	Visual perception of liquids: Insights from deep neural networks. , 2020, 16, e1008018.		0
13	Visual perception of liquids: Insights from deep neural networks. , 2020, 16, e1008018.		0
14	Visual perception of liquids: Insights from deep neural networks. , 2020, 16, e1008018.		0
15	Visual perception of liquids: Insights from deep neural networks. , 2020, 16, e1008018.		0
16	Image statistics for material perception. Current Opinion in Behavioral Sciences, 2019, 30, 94-99.	2.0	24
17	Perceptually Based Adaptive Motion Retargeting to Animate Real Objects by Light Projection. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2061-2071.	2.9	3
18	Gamified vision test system for daily self-check. , 2019, , .		3

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19	Slant-dependent image modulation for perceiving translucent objects. Journal of Vision, 2019, 19, 89b.	0.1	0
20	Haptic discrimination of 3D-printed patterns based on natural visual textures. Journal of Vision, 2019, 19, 300b.	0.1	0
21	Visual perception of liquids: insights from deep neural networks. Journal of Vision, 2019, 19, 242b.	0.1	0
22	Test battery for daily self-assessment of visual abilities. Journal of Vision, 2019, 19, 120b.	0.1	0
23	Estimating Tactile Perception by Observing Explorative Hand Motion of Others. IEEE Transactions on Haptics, 2018, 11, 192-203.	1.8	9
24	Reduction of Flicker in Four-Stroke Motion of Color Images. I-Perception, 2018, 9, 204166951775040.	0.8	0
25	Human tactile detection of within- and inter-finger spatiotemporal phase shifts of low-frequency vibrations. Scientific Reports, 2018, 8, 4288.	1.6	8
26	â€œPsychology 2.0â€•for Sustainable Development of <i>Homo sapiens</i> â€”Argument with AI and Robotics. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2018, 82, JPAS-008-JPAS-008.	0.0	0
27	Deformation-induced transparency resolves color scission. Journal of Vision, 2018, 18, 3.	0.1	1
28	Material and shape perception based on two types of intensity gradient information. PLoS Computational Biology, 2018, 14, e1006061.	1.5	42
29	Motion Perception: From Detection to Interpretation. Annual Review of Vision Science, 2018, 4, 501-523.	2.3	29
30	21â€1: Reducing Image Quality Variation with Motion Parallax for Glassless 3D Screens using Linear Blending Technology. Digest of Technical Papers SID International Symposium, 2018, 49, 251-254.	0.1	1
31	Haptic Texture Perception on 3D-Printed Surfaces Transcribed from Visual Natural Textures. Lecture Notes in Computer Science, 2018, , 102-112.	1.0	4
32	Perturbation Tolerance of Deep Neural Networks and Humans in Material Recognition. Journal of Vision, 2018, 18, 756.	0.1	1
33	Linkage between Free Exploratory Movements and Subjective Tactile Ratings. IEEE Transactions on Haptics, 2017, 10, 217-225.	1.8	13
34	Grouping by feature of cross-modal flankers in temporal ventriloquism. Scientific Reports, 2017, 7, 7615.	1.6	3
35	Integration of vibrotactile frequency information beyond the mechanoreceptor channel and somatotopy. Scientific Reports, 2017, 7, 2758.	1.6	34
36	Physical-Perceptual Correspondence for Dynamic Thermal Stimulation. IEEE Transactions on Haptics, 2017, 10, 84-93.	1.8	12

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37	Contour junctions defined by dynamic image deformations enhance perceptual transparency. Journal of Vision, 2017, 17, 15.	0.1	3
38	A new analytical method for characterizing nonlinear visual processes with stimuli of arbitrary distribution: Theory and applications. Journal of Vision, 2017, 17, 14.	0.1	4
39	Human perception of subresolution fineness of dense textures based on image intensity statistics. Journal of Vision, 2017, 17, 8.	0.1	11
40	Visual wetness perception based on image color statistics. Journal of Vision, 2017, 17, 7.	0.1	35
41	Animating static objects by illusionâ€based projection mapping. Journal of the Society for Information Display, 2017, 25, 434-443.	0.8	4
42	Hiding of phase-based stereo disparity for ghost-free viewing without glasses. ACM Transactions on Graphics, 2017, 36, 1-17.	4.9	10
43	Perceiving shape of thin translucent objects from spatial transmittance variation. Journal of Vision, 2017, 17, 764.	0.1	0
44	Spatial configuration modulates perceptual transparency from dymamic image deformation. Journal of Vision, 2017, 17, 743.	0.1	0
45	Contribution of color to material perception. Journal of Vision, 2017, 17, 22.	0.1	1
46	Seeing jelly. , 2016, , .		20
47	Multiple-stage ambiguity in motion perception reveals global computation of local motion directions. Journal of Vision, 2016, 16, 7.	0.1	3
48	An Adaptable Metric Shapes Perceptual Space. Current Biology, 2016, 26, 1911-1915.	1.8	18
49	Neural timing signal for precise tactile timing judgments. Journal of Neurophysiology, 2016, 115, 1620-1629.	0.9	4
50	Deformation Lamps. ACM Transactions on Applied Perception, 2016, 13, 1-17.	1.2	66
51	Sanshool on The Fingertip Interferes with Vibration Detection in a Rapidly-Adapting (RA) Tactile Channel. PLoS ONE, 2016, 11, e0165842.	1.1	15
52	Neural Correlates of the Time Marker for the Perception of Event Timing. ENeuro, 2016, 3, ENEURO.0144-16.2016.	0.9	4
53	Perception of super-fine structures based on image intensity statistics. Journal of Vision, 2016, 16, 948.	0.1	0
54	A model of V1 metamer can explain perceived deformation of a static object induced by light projection.. Journal of Vision, 2016, 16, 961.	0.1	0

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55	Effects of Frequency Separation and Diotic/Dichotic Presentations on the Alternation Frequency Limits in Audition Derived from a Temporal Phase Discrimination Task. Perception, 2015, 44, 198-214.	0.5	1
56	Enhancement of motion perception in the direction opposite to smooth pursuit eye movement. Journal of Vision, 2015, 15, 2.	0.1	9
57	Integrative Study of Mind: Past, Present and Future. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2015, 79, JPAS-011-JPAS-011.	0.0	0
58	Deformation lamps. , 2015, , .		4
59	Impact of hand and object colors on object temperature perception. Temperature, 2015, 2, 344-345.	1.7	1
60	Perceptual transparency from image deformation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4620-7.	3.3	44
61	Seeing liquids from static snapshots. Vision Research, 2015, 115, 163-174.	0.7	47
62	Seeing liquids from visual motion. Vision Research, 2015, 109, 125-138.	0.7	66
63	Visual perception of materials: The science of stuff. Vision Research, 2015, 109, 123-124.	0.7	23
64	Sensory adaptation for timing perception. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142833.	1.2	23
65	Infants' visual system nonretinotopically integrates color signals along a motion trajectory. Journal of Vision, 2015, 15, 25-25.	0.1	5
66	Perception of material properties. Vision Research, 2015, 115, 157-162.	0.7	26
67	Seeing transparent liquids from refraction-based image deformation and specular reflection. Journal of Vision, 2015, 15, 935.	0.1	2
68	Visual perception of surface wetness. Journal of Vision, 2015, 15, 937.	0.1	2
69	Apparent Time Interval of Visual Stimuli Is Compressed during Fast Hand Movement. PLoS ONE, 2015, 10, e0124901.	1.1	34
70	Material-dependent shape distortion by local intensity order reversal. Journal of Vision, 2015, 15, 940.	0.1	2
71	Adaptation to the spatial smoothness of visual motion flow.. Journal of Vision, 2015, 15, 1011.	0.1	0
72	Adaptation to texture reveals a local metric underlying perceived size and distance. Journal of Vision, 2015, 15, 771.	0.1	0

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73	Object constancy from view-based models of the face.. Journal of Vision, 2015, 15, 418.	0.1	0
74	Audiovisual integration in the human perception of materials. Journal of Vision, 2014, 14, 12-12.	0.1	42
75	Rendering fine hair-like objects with Gaussian noise. , 2014, , .		0
76	Adaptation Reveals Mechanisms for Enhanced Representation of Common and Novel Temporal Relationships. Procedia, Social and Behavioral Sciences, 2014, 126, 71.	0.5	1
77	Combining colour and temperature: A blue object is more likely to be judged as warm than a red object. Scientific Reports, 2014, 4, 5527.	1.6	53
78	Vibrotactile Frequency Discrimination Performance with Cross-Channel Distractors. Lecture Notes in Computer Science, 2014, , 61-67.	1.0	1
79	Adaptation to a non-uniform motion pattern reveals a mechanism to encode local flow changes.. Journal of Vision, 2014, 14, 486-486.	0.1	0
80	Discrimination of highlights from reflectance changes using isophote maps of surface images. Journal of Vision, 2014, 14, 459-459.	0.1	0
81	What do human observers see in dynamic image deformation?. Journal of Vision, 2014, 14, 261-261.	0.1	0
82	No motion-induced sensitivity modulation for chromatic gratings.. Journal of Vision, 2014, 14, 478-478.	0.1	0
83	Plasticity and neuro-cognitive characteristics of aging brain. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2014, 78, JPAS-003-JPAS-003.	0.0	0
84	Contribution of within- and cross-channel information to vibrotactile frequency discrimination. Brain Research, 2013, 1529, 46-55.	1.1	8
85	Effect of form cues on 1D and 2D motion pooling. Vision Research, 2013, 76, 94-104.	0.7	7
86	The sense of agency is actionâ€“effect causality perception based on cross-modal grouping. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130991.	1.2	69
87	Rapid encoding of relationships between spatially remote motion signals. Journal of Vision, 2013, 13, 4-4.	0.1	13
88	The cross-modal double flash illusion depends on featural similarity between cross-modal inducers. Scientific Reports, 2013, 3, 3437.	1.6	29
89	Direction of visual apparent motion driven by perceptual organization of cross-modal signals. Journal of Vision, 2013, 13, 6-6.	0.1	31
90	A synchronous surround increases the motion strength gain of motion. Journal of Vision, 2013, 13, 12-12.	0.1	2

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91	Audio-Visual Temporal Recalibration Can be Constrained by Content Cues Regardless of Spatial Overlap. Frontiers in Psychology, 2013, 4, 189.	1.1	17
92	Characterization of high-level images features for surface gloss perception. Journal of Vision, 2013, 13, 202-202.	0.1	3
93	Material from motion -- Human perception of fluid properties from motion vector fields.. Journal of Vision, 2013, 13, 207-207.	0.1	0
94	Seeing transparent liquids from dynamic image distortion. Journal of Vision, 2013, 13, 208-208.	0.1	5
95	Neural correlates of time marker for simultaneity judgment. Journal of Vision, 2013, 13, 620-620.	0.1	0
96	Comparisons of temporal frequency limits for cross-attribute binding tasks in vision and audition. Journal of Vision, 2013, 13, 885-885.	0.1	0
97	Human neural responses involved in spatial pooling of locally ambiguous motion signals. Journal of Neurophysiology, 2012, 107, 3493-3508.	0.9	18
98	Surround facilitation for rapid motion perception. Journal of Vision, 2012, 12, 3-3.	0.1	5
99	Directional remapping in tactile inter-finger apparent motion: a motion aftereffect study. Experimental Brain Research, 2012, 216, 311-320.	0.7	15
100	Motion correspondence based on the perisaccadically compressed space. Journal of Vision, 2012, 12, 1249-1249.	0.1	0
101	Advancement of motion psychophysics: Review 2001-2010. Journal of Vision, 2011, 11, 11-11.	0.1	108
102	No interaction of first- and second-order signals in the extraction of global-motion and optic-flow. Vision Research, 2011, 51, 352-361.	0.7	15
103	Spatial pooling of one-dimensional second-order motion signals. Journal of Vision, 2011, 10, 24-24.	0.1	3
104	Audio-Visual Speech Timing Sensitivity Is Enhanced in Cluttered Conditions. PLoS ONE, 2011, 6, e18309.	1.1	21
105	Tactile duration compression by vibrotactile adaptation. NeuroReport, 2010, 21, 856-860.	0.6	24
106	Somatotopic dominance in tactile temporal processing. Experimental Brain Research, 2010, 203, 51-62.	0.7	25
107	Conditional spatial-frequency selective pooling of one-dimensional motion signals into global two-dimensional motion. Vision Research, 2010, 50, 1054-1064.	0.7	7
108	How Motion Signals Are Integrated Across Frequencies: Study on Motion Perception and Ocular Following Responses Using Multiple-Slit Stimuli. Journal of Neurophysiology, 2010, 103, 230-243.	0.9	14

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109	A common perceptual temporal limit of binding synchronous inputs across different sensory attributes and modalities. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2281-2290.	1.2	62
110	Smooth Pursuit Eye Movements Improve Temporal Resolution for Color Perception. PLoS ONE, 2010, 5, e11214.	1.1	12
111	Position-variant perception of a novel ambiguous motion field. Journal of Vision, 2010, 10, 850.	0.1	0
112	Adaptive pooling of visual motion signals by the human visual system revealed with a novel multi-element stimulus. Journal of Vision, 2009, 9, 4-4.	0.1	70
113	Close Similarity Between Spatiotemporal Frequency Tunings of Human Cortical Responses and Involuntary Manual Following Responses to Visual Motion. Journal of Neurophysiology, 2009, 101, 888-897.	0.9	12
114	The spatial tuning of adaptation-based time compression. Journal of Vision, 2009, 9, 2-2.	0.1	62
115	The sliding window of audio-visual simultaneity. Journal of Vision, 2009, 9, 4-4.	0.1	31
116	Perceived depth of curved lines in the presence of cyclovergence. Vision Research, 2009, 49, 348-361.	0.7	10
117	Spatial-frequency tuning in the pooling of one- and two-dimensional motion signals. Vision Research, 2009, 49, 2862-2869.	0.7	18
118	Audioâ€“tactile superiority over visuoâ€“tactile and audioâ€“visual combinations in the temporal resolution of synchrony perception. Experimental Brain Research, 2009, 198, 245-259.	0.7	108
119	Reduction of stimulus visibility compresses apparent time intervals. Nature Neuroscience, 2008, 11, 541-542.	7.1	76
120	Visually-based temporal distortion in dyslexia. Vision Research, 2008, 48, 1852-1858.	0.7	54
121	Top-down feature-based selection of matching features for audio-visual synchrony discrimination. Neuroscience Letters, 2008, 433, 225-230.	1.0	17
122	Image statistics for surface reflectance perception. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 846.	0.8	104
123	Veridical perception of moving colors by trajectory integration of input signals. Journal of Vision, 2007, 7, 3.	0.1	24
124	Image statistics and the perception of surface qualities. Nature, 2007, 447, 206-209.	13.7	531
125	Human Visual System Integrates Color Signals along a Motion Trajectory. Current Biology, 2007, 17, 366-372.	1.8	81
126	Two mechanisms underlying the effect of angle of motion direction change on colourâ€“motion asynchrony. Vision Research, 2007, 47, 687-705.	0.7	19

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127	Feature-based processing of audio-visual synchrony perception revealed by random pulse trains. Vision Research, 2007, 47, 1075-1093.	0.7	42
128	Tactile motion aftereffects produced by appropriate presentation for mechanoreceptors. Experimental Brain Research, 2007, 180, 577-582.	0.7	35
129	Visual search for a target changing in synchrony with an auditory signal. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 865-874.	1.2	73
130	MEG responses correlated with the visual perception of velocity change. Vision Research, 2006, 46, 336-345.	0.7	11
131	Estimation of the Timing of Human Visual Perception from Magnetoencephalography. Journal of Neuroscience, 2006, 26, 3981-3991.	1.7	90
132	Spatiotemporal Tuning of Rapid Interactions between Visual-Motion Analysis and Reaching Movement. Journal of Neuroscience, 2006, 26, 5301-5308.	1.7	64
133	Temporal frequency characteristics of synchronyâ€“asynchrony discrimination of audio-visual signals. Experimental Brain Research, 2005, 166, 455-464.	0.7	111
134	Luminance re-mapping for the control of apparent material. , 2005, , .		10
135	Large-Field Visual Motion Directly Induces an Involuntary Rapid Manual Following Response. Journal of Neuroscience, 2005, 25, 4941-4951.	1.7	117
136	Perisaccadic perception of continuous flickers. Vision Research, 2005, 45, 413-430.	0.7	28
137	Recalibration of audiovisual simultaneity. Nature Neuroscience, 2004, 7, 773-778.	7.1	537
138	Motion-Based Analysis of Spatial Patterns by the Human Visual System. Current Biology, 2004, 14, 830-839.	1.8	67
139	Contrast-reversing global-motion stimuli reveal local interactions between first- and second-order motion signals. Vision Research, 2004, 44, 1941-1950.	0.7	21
140	Cross-orientation summation in texture segregation. Vision Research, 2004, 44, 2567-2576.	0.7	22
141	Depth perception from second-order-motion stimuli yoked to head movement. Vision Research, 2004, 44, 2945-2954.	0.7	1
142	Gaze modulation of visual aftereffects. Vision Research, 2003, 43, 639-649.	0.7	34
143	Golfers May Have to Overcome a Persistent Visuospatial Illusion. Perception, 2003, 32, 1151-1154.	0.5	8
144	Neuroimaging of Direction-Selective Mechanisms for Second-Order Motion. Journal of Neurophysiology, 2003, 90, 3242-3254.	0.9	72

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145	Spatiotemporal interactions in detection of texture orientation modulations. Vision Research, 2002, 42, 2829-2841.	0.7	11
146	Marker Correspondence, Not Processing Latency, Determines Temporal Binding of Visual Attributes. Current Biology, 2002, 12, 359-368.	1.8	168
147	A motion aftereffect seen more strongly by the non-adapted eye: evidence of multistage adaptation in visual motion processing. Vision Research, 2001, 41, 561-570.	0.7	15
148	Temporal resolution of orientation-based texture segregation. Vision Research, 2001, 41, 2089-2105.	0.7	32
149	Time perception: Brain time or event time?. Current Biology, 2001, 11, R427-R430.	1.8	62
150	Afterimage of Perceptually Filled-in Surface. Science, 2001, 293, 1677-1680.	6.0	118
151	A hierarchical structure of motion system revealed by interocular transfer of flicker motion aftereffects. Vision Research, 2000, 40, 265-278.	0.7	74
152	Influence of motion signals on the perceived position of spatial pattern. Nature, 1999, 397, 610-612.	13.7	190
153	Global-motion detection with transparent-motion signals. Vision Research, 1999, 39, 2239-2249.	0.7	34
154	Is the size aftereffect direction selective?. Vision Research, 1999, 39, 3592-3601.	0.7	9
155	Use of image-based information in judgments of surface-reflectance properties. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 2951.	0.8	161
156	Adaptation in the processing of interaural time differences revealed by the auditory localization aftereffect. Journal of the Acoustical Society of America, 1998, 103, 3597-3604.	0.5	44
157	Simultaneous motion contrast across space: Involvement of second-order motion?. Vision Research, 1997, 37, 199-214.	0.7	23
158	Contrast Dependencies of Two Types of Motion Aftereffect. Vision Research, 1997, 37, 553-563.	0.7	38
159	Linking lower and higher stages of motion processing?. Vision Research, 1997, 37, 1755-1759.	0.7	16
160	Dual multiple-scale processing for motion in the human visual System. Vision Research, 1997, 37, 2685-2698.	0.7	138
161	Contrast Sensitivity of the Motion System. Vision Research, 1996, 36, 2411-2421.	0.7	55
162	Illusory Line Motion in Visual Search: Attentional Facilitation or Apparent Motion?. Perception, 1996, 25, 901-920.	0.5	27

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163	Motion aftereffect with flickering test patterns reveals higher stages of motion processing. Vision Research, 1995, 35, 477-490.	0.7	134
164	The dynamics of the visual system in combining conflicting KDE and binocular stereopsis cues. Perception & Psychophysics, 1994, 55, 526-536.	2.3	24
165	Perceived motion in structure from motion: Pointing responses to the axis of rotation. Perception & Psychophysics, 1994, 56, 91-109.	2.3	19
166	Complete interocular transfer of motion aftereffect with flickering test. Vision Research, 1994, 34, 2707-2716.	0.7	85
167	Spatiotemporal properties of motion perception for random-check contrast modulations. Vision Research, 1993, 33, 633-645.	0.7	42
168	Positive motion after-effect induced by bandpass-filtered random-dot kinematograms. Vision Research, 1992, 32, 1635-1646.	0.7	52
169	Inhibitory interaction in a split/fusion apparent motion: lack of spatial-frequency selectivity. Vision Research, 1992, 32, 1523-1534.	0.7	9