

Susana T L Chung

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

3,349
citations

172457

29
h-index

168389

53
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112
all docs

112
docs citations

112
times ranked

1458
citing authors

#	ARTICLE	IF	CITATIONS
1	Psychophysics of reading. <i>Vision Research</i> , 2001, 41, 725-743.	1.4	355
2	Spatial-frequency and contrast properties of crowding. <i>Vision Research</i> , 2001, 41, 1833-1850.	1.4	243
3	Psychophysics of reading. XVIII. The effect of print size on reading speed in normal peripheral vision. <i>Vision Research</i> , 1998, 38, 2949-2962.	1.4	230
4	Letter-recognition and reading speed in peripheral vision benefit from perceptual learning. <i>Vision Research</i> , 2004, 44, 695-709.	1.4	135
5	The case for the visual span as a sensory bottleneck in reading. <i>Journal of Vision</i> , 2007, 7, 9.	0.3	124
6	Improving Reading Speed for People with Central Vision Loss through Perceptual Learning. , 2011, 52, 1164.		113
7	Spatial-frequency characteristics of letter identification in central and peripheral vision. <i>Vision Research</i> , 2002, 42, 2137-2152.	1.4	112
8	Effect of letter spacing on visual span and reading speed. <i>Journal of Vision</i> , 2007, 7, 2.	0.3	109
9	Learning to identify crowded letters: Does it improve reading speed?. <i>Vision Research</i> , 2007, 47, 3150-3159.	1.4	94
10	The effect of letter spacing on reading speed in central and peripheral vision. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1270-6.	3.3	91
11	The dependence of crowding on flanker complexity and target-flanker similarity. <i>Journal of Vision</i> , 2011, 11, 1-1.	0.3	90
12	Characteristics of fixational eye movements in amblyopia: Limitations on fixation stability and acuity?. <i>Vision Research</i> , 2015, 114, 87-99.	1.4	88
13	Visual Crowding in V1. <i>Cerebral Cortex</i> , 2014, 24, 3107-3115.	2.9	75
14	Identification of contrast-defined letters benefits from perceptual learning in adults with amblyopia. <i>Vision Research</i> , 2006, 46, 3853-3861.	1.4	65
15	Comparing the Shape of Contrast Sensitivity Functions for Normal and Low Vision. , 2016, 57, 198.		61
16	Characteristics of Fixational Eye Movements in People With Macular Disease. , 2014, 55, 5125.		59
17	Reading Speed Benefits from Increased Vertical Word Spacing in Normal Peripheral Vision. <i>Optometry and Vision Science</i> , 2004, 81, 525-535.	1.2	58
18	Reading speed in the peripheral visual field of older adults: Does it benefit from perceptual learning?. <i>Vision Research</i> , 2010, 50, 860-869.	1.4	57

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19	Using visual noise to characterize amblyopic letter identification. <i>Journal of Vision</i> , 2004, 4, 6.	0.3	55
20	Effect of retinal image motion on visual acuity and contour interaction in congenital nystagmus. <i>Vision Research</i> , 1995, 35, 3071-3082.	1.4	52
21	Learning letter identification in peripheral vision. <i>Vision Research</i> , 2005, 45, 1399-1412.	1.4	51
22	Contrast polarity differences reduce crowding but do not benefit reading performance in peripheral vision. <i>Vision Research</i> , 2009, 49, 2782-2789.	1.4	48
23	The effect of dioptric blur on reading performance. <i>Vision Research</i> , 2007, 47, 1584-1594.	1.4	47
24	Development of a training protocol to improve reading performance in peripheral vision. <i>Vision Research</i> , 2010, 50, 36-45.	1.4	45
25	Cortical Reorganization after Long-Term Adaptation to Retinal Lesions in Humans. <i>Journal of Neuroscience</i> , 2013, 33, 18080-18086.	3.6	45
26	Ideal observer analysis of crowding and the reduction of crowding through learning. <i>Journal of Vision</i> , 2010, 10, 16-16.	0.3	43
27	Precision of position signals for letters. <i>Vision Research</i> , 2009, 49, 1948-1960.	1.4	40
28	Learning to identify near-threshold luminance-defined and contrast-defined letters in observers with amblyopia. <i>Vision Research</i> , 2008, 48, 2739-2750.	1.4	37
29	Learning to Identify Near-Acuity Letters, either with or without Flankers, Results in Improved Letter Size and Spacing Limits in Adults with Amblyopia. <i>PLoS ONE</i> , 2012, 7, e35829.	2.5	37
30	Crowding between first- and second-order letter stimuli in normal foveal and peripheral vision. <i>Journal of Vision</i> , 2007, 7, 10.	0.3	35
31	Factors Affecting Crowded Acuity. <i>Optometry and Vision Science</i> , 2013, 90, 628-638.	1.2	32
32	The effect of letter-stroke boldness on reading speed in central and peripheral vision. <i>Vision Research</i> , 2013, 84, 33-42.	1.4	31
33	Reading Speed Does Not Benefit from Increased Line Spacing in AMD Patients. <i>Optometry and Vision Science</i> , 2008, 85, 827-833.	1.2	29
34	Low Vision and Plasticity: Implications for Rehabilitation. <i>Annual Review of Vision Science</i> , 2016, 2, 321-343.	4.4	28
35	Spatial-frequency and contrast properties of reading in central and peripheral vision. <i>Journal of Vision</i> , 2009, 9, 16-16.	0.3	27
36	Visual Acuity Is Not the Best at the Preferred Retinal Locus in People with Macular Disease. <i>Optometry and Vision Science</i> , 2018, 95, 829-836.	1.2	24

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37	Influence of Motion Smear on Visual Acuity in Simulated Infantile Nystagmus. <i>Optometry and Vision Science</i> , 2011, 88, 200-207.	1.2	22
38	Sensory factors limiting horizontal and vertical visual span for letter recognition. <i>Journal of Vision</i> , 2014, 14, 3-3.	0.3	22
39	Reading in the presence of macular disease: a mini-review. <i>Ophthalmic and Physiological Optics</i> , 2020, 40, 171-186.	2.0	22
40	Spatial-frequency properties of letter identification in amblyopia. <i>Vision Research</i> , 2002, 42, 1571-1581.	1.4	21
41	Object crowding in age-related macular degeneration. <i>Journal of Vision</i> , 2017, 17, 33.	0.3	21
42	Donepezil Does Not Enhance Perceptual Learning in Adults with Amblyopia: A Pilot Study. <i>Frontiers in Neuroscience</i> , 2017, 11, 448.	2.8	20
43	The Glenn A. Fry Award Lecture 2012. <i>Optometry and Vision Science</i> , 2013, 90, 520-529.	1.2	18
44	Learning to identify crowded letters: Does the learning depend on the frequency of training?. <i>Vision Research</i> , 2013, 77, 41-50.	1.4	17
45	Shift in spatial scale in identifying crowded letters. <i>Vision Research</i> , 2007, 47, 437-451.	1.4	16
46	Can reading-specific training stimuli improve the effect of perceptual learning on peripheral reading speed?. <i>Vision Research</i> , 2012, 66, 17-25.	1.4	16
47	Can (should) theories of crowding be unified?. <i>Journal of Vision</i> , 2016, 16, 10.	0.3	16
48	Size or spacing: Which limits letter recognition in people with age-related macular degeneration?. <i>Vision Research</i> , 2014, 101, 167-176.	1.4	15
49	Enhancing Visual Performance for People with Central Vision Loss. <i>Optometry and Vision Science</i> , 2010, 87, 276-284.	1.2	15
50	Spatial localisation in autism: evidence for differences in early cortical visual processing. <i>Molecular Autism</i> , 2013, 4, 4.	4.9	14
51	The Role of External Features in Face Recognition with Central Vision Loss. <i>Optometry and Vision Science</i> , 2016, 93, 510-520.	1.2	14
52	Suboptimal eye movements for seeing fine details. <i>Journal of Vision</i> , 2018, 18, 8.	0.3	14
53	Feature contingencies when reading letter strings. <i>Vision Research</i> , 2019, 156, 84-95.	1.4	12
54	The mechanism of word crowding. <i>Vision Research</i> , 2012, 52, 61-69.	1.4	11

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55	Training peripheral vision to read: Boosting the speed of letter processing. <i>Vision Research</i> , 2018, 152, 51-60.	1.4	11
56	Critical Orientation for Face Identification in Central Vision Loss. <i>Optometry and Vision Science</i> , 2011, 88, 724-732.	1.2	10
57	Dependence of Reading Speed on Letter Spacing in Central Vision Loss. <i>Optometry and Vision Science</i> , 2012, 89, 1288-1298.	1.2	10
58	A window into visual cortex development and recovery of vision: Introduction to the <i>Vision Research</i> special issue on Amblyopia. <i>Vision Research</i> , 2015, 114, 1-3.	1.4	10
59	The generality of the critical spacing for crowded optotypes: From Bouma to the 21st century. <i>Journal of Vision</i> , 2021, 21, 18.	0.3	10
60	Detection and identification of crowded mirror-image letters in normal peripheral vision. <i>Vision Research</i> , 2010, 50, 337-345.	1.4	9
61	Bolder print does not increase reading speed in people with central vision loss. <i>Vision Research</i> , 2018, 153, 98-104.	1.4	9
62	Crowding, visual awareness, and their respective neural loci. <i>Journal of Vision</i> , 2017, 17, 18.	0.3	8
63	New Challenges in Low-Vision Research. <i>Optometry and Vision Science</i> , 2012, 89, 1244-1245.	1.2	7
64	Crowding in the S-cone pathway. <i>Vision Research</i> , 2016, 122, 81-92.	1.4	7
65	Unmasking saccadic uncrowding. <i>Vision Research</i> , 2016, 127, 152-164.	1.4	7
66	Interaction between stimulus contrast and pre-saccadic crowding. <i>Royal Society Open Science</i> , 2017, 4, 160559.	2.4	7
67	Orientation information in encoding facial expressions. <i>Vision Research</i> , 2018, 150, 29-37.	1.4	7
68	Exploration of the functional consequences of fixational eye movements in the absence of a fovea. <i>Journal of Vision</i> , 2020, 20, 12.	0.3	7
69	How Do Flanking Objects Affect Reaching and Grasping Behavior in Participants with Macular Disorders?. , 2012, 53, 6687.		6
70	Spatio-temporal properties of letter crowding. <i>Journal of Vision</i> , 2016, 16, 8.	0.3	6
71	Music-reading expertise modulates the visual span for English letters but not Chinese characters. <i>Journal of Vision</i> , 2019, 19, 10.	0.3	6
72	Orientation Information in Encoding Facial Expressions. <i>Journal of Vision</i> , 2011, 11, 604-604.	0.3	6

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73	Sequential perceptual learning of letter identification and "uncrowding" in normal peripheral vision: Effects of task, training order, and cholinergic enhancement. <i>Journal of Vision</i> , 2020, 20, 24.	0.3	5
74	Changes across the psychometric function following perceptual learning of an RSVP reading task. <i>Frontiers in Psychology</i> , 2014, 5, 1434.	2.1	4
75	Temporal Dynamics of the Crowding Mechanism. <i>Journal of Vision</i> , 2011, 11, 1143-1143.	0.3	4
76	Testing vision: From laboratory psychophysical tests to clinical evaluation. <i>Vision Research</i> , 2013, 90, 1.	1.4	3
77	Visual factors in reading. <i>Vision Research</i> , 2019, 161, 60-62.	1.4	3
78	The Effect of Perceptual Learning on Face Recognition in Individuals with Central Vision Loss. , 2020, 61, 2.		3
79	Theories of reading should predict reading speed. <i>Behavioral and Brain Sciences</i> , 2012, 35, 297-298.	0.7	2
80	Training to improve temporal processing of letters benefits reading speed for people with central vision loss. <i>Journal of Vision</i> , 2021, 21, 14.	0.3	2
81	Properties of the "Preferred Retinal Locus" in Response to Asymmetrical Progression of Simulated Central Scotomas. <i>Journal of Vision</i> , 2020, 20, 1341.	0.3	2
82	A "fuller" report on mislocation errors in visual crowding. <i>Journal of Vision</i> , 2012, 12, 332-332.	0.3	1
83	Acuity, contrast, eccentricity, and crowding. <i>Journal of Vision</i> , 2013, 13, 567-567.	0.3	1
84	Crowding in individuals with age-related macular degeneration. <i>Journal of Vision</i> , 2012, 12, 336-336.	0.3	1
85	Functional Consequences of Slow Drift Fixational Eye Movements in Patients with Central Vision Loss. <i>Journal of Vision</i> , 2015, 15, 72.	0.3	1
86	Unifying the Quantification of Fixation Stability. <i>Journal of Vision</i> , 2018, 18, 1000.	0.3	1
87	Spatio-Temporal Dependencies of Letter Feature Processing. <i>Journal of Vision</i> , 2019, 19, 65b.	0.3	1
88	Spatial and temporal proximity of objects for maximal crowding. <i>Vision Research</i> , 2022, 194, 108012.	1.4	1
89	Orientation Information in Encoding Facial Expressions for People With Central Vision Loss. , 2019, 60, 1175.		0
90	Authors' Response. <i>Optometry and Vision Science</i> , 2019, 96, 143-143.	1.2	0

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91	Letter crowding increases with flanker complexity. <i>Journal of Vision</i> , 2010, 10, 1346-1346.	0.3	0
92	Can positional averaging explain crowded letter confusions?. <i>Journal of Vision</i> , 2011, 11, 1155-1155.	0.3	0
93	Target and flanker perception are related in crowded letter identification. <i>Journal of Vision</i> , 2011, 11, 1141-1141.	0.3	0
94	Orientation Bandwidth Requirement for Face Identification in Foveal and Peripheral Vision. <i>Journal of Vision</i> , 2011, 11, 31-31.	0.3	0
95	Is Letter Recognition more "Ideal" than Face Recognition?. <i>Journal of Vision</i> , 2012, 12, 529-529.	0.3	0
96	Evaluation of a biologically-inspired neural network for letter recognition. <i>Journal of Vision</i> , 2012, 12, 537-537.	0.3	0
97	Contributions of target and flanker features to crowding. <i>Journal of Vision</i> , 2012, 12, 331-331.	0.3	0
98	Predicting reading performance for different fonts using physical and perceptual properties of letters. <i>Journal of Vision</i> , 2013, 13, 1300-1300.	0.3	0
99	Saccades affect crowding, but crowding does not affect saccades. <i>Journal of Vision</i> , 2013, 13, 580-580.	0.3	0
100	Coarse-to-fine spatial analysis for identifying multiple letters?. <i>Journal of Vision</i> , 2013, 13, 1302-1302.	0.3	0
101	A kinder, gentler adaptive psychophysical procedure. <i>Journal of Vision</i> , 2014, 14, 390-390.	0.3	0
102	Fixation strategies revealed by the retinal imaging. <i>Journal of Vision</i> , 2014, 14, 114-114.	0.3	0
103	The two-dimensional shape of the crowding zone following macular lesions. <i>Journal of Vision</i> , 2014, 14, 768-768.	0.3	0
104	Effects of Flankers Within the Crowding Zone. <i>Journal of Vision</i> , 2015, 15, 97.	0.3	0
105	Do Fixation Strategies Change with Target Size?. <i>Journal of Vision</i> , 2016, 16, 38.	0.3	0
106	The effect of stimulus contrast on pre-saccadic orientation discrimination. <i>Journal of Vision</i> , 2016, 16, 1040.	0.3	0
107	Do eye movements referenced to an extra-foveal retinal location in the absence of a functioning fovea?. <i>Journal of Vision</i> , 2016, 16, 1336.	0.3	0
108	Enhancing discrimination of fine spatial details with fixational eye movements: Is there an extra-retinal component?. <i>Journal of Vision</i> , 2017, 17, 1157.	0.3	0

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109	Combining the cholinesterase inhibitor donepezil with perceptual learning in adults with amblyopia. Journal of Vision, 2017, 17, 36.	0.3	0
110	Radial-tangential anisotropy of bisection thresholds in the normal periphery. Journal of Vision, 2019, 19, 67b.	0.3	0
111	Pre-saccadic isotropization of crowding zones. Journal of Vision, 2019, 19, 65.	0.3	0