Susana T L Chung

List of Publications by Year
in descending order

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111 papers	3,349 citations	172207 29 h-index	168136 53 g-index
112 all docs	112 docs citations	112 times ranked	1458 citing authors

#	Article	IF	Citations
1	Psychophysics of reading. Vision Research, 2001, 41, 725-743.	0.7	355
2	Spatial-frequency and contrast properties of crowding. Vision Research, 2001, 41, 1833-1850.	0.7	243
3	Psychophysics of reading. XVIII. The effect of print size on reading speed in normal peripheral vision. Vision Research, 1998, 38, 2949-2962.	0.7	230
4	Letter-recognition and reading speed in peripheral vision benefit from perceptual learning. Vision Research, 2004, 44, 695-709.	0.7	135
5	The case for the visual span as a sensory bottleneck in reading. Journal of Vision, 2007, 7, 9.	0.1	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. Vision Research, 2002, 42, 2137-2152.	0.7	112
8	Effect of letter spacing on visual span and reading speed. Journal of Vision, 2007, 7, 2.	0.1	109
9	Learning to identify crowded letters: Does it improve reading speed?. Vision Research, 2007, 47, 3150-3159.	0.7	94
10	The effect of letter spacing on reading speed in central and peripheral vision. Investigative Ophthalmology and Visual Science, 2002, 43, 1270-6.	3.3	91
11	The dependence of crowding on flanker complexity and target-flanker similarity. Journal of Vision, 2011, 11, 1-1.	0.1	90
12	Characteristics of fixational eye movements in amblyopia: Limitations on fixation stability and acuity?. Vision Research, 2015, 114, 87-99.	0.7	88
13	Visual Crowding in V1. Cerebral Cortex, 2014, 24, 3107-3115.	1.6	75
14	Identification of contrast-defined letters benefits from perceptual learning in adults with amblyopia. Vision Research, 2006, 46, 3853-3861.	0.7	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. Optometry and Vision Science, 2004, 81, 525-535.	0.6	58
18	Reading speed in the peripheral visual field of older adults: Does it benefit from perceptual learning?. Vision Research, 2010, 50, 860-869.	0.7	57

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19	Using visual noise to characterize amblyopic letter identification. Journal of Vision, 2004, 4, 6.	0.1	55
20	Effect of retinal image motion on visual acuity and contour interaction in congenital nystagmus. Vision Research, 1995, 35, 3071-3082.	0.7	52
21	Learning letter identification in peripheral vision. Vision Research, 2005, 45, 1399-1412.	0.7	51
22	Contrast polarity differences reduce crowding but do not benefit reading performance in peripheral vision. Vision Research, 2009, 49, 2782-2789.	0.7	48
23	The effect of dioptric blur on reading performance. Vision Research, 2007, 47, 1584-1594.	0.7	47
24	Development of a training protocol to improve reading performance in peripheral vision. Vision Research, 2010, 50, 36-45.	0.7	45
25	Cortical Reorganization after Long-Term Adaptation to Retinal Lesions in Humans. Journal of Neuroscience, 2013, 33, 18080-18086.	1.7	45
26	Ideal observer analysis of crowding and the reduction of crowding through learning. Journal of Vision, 2010, 10, 16-16.	0.1	43
27	Precision of position signals for letters. Vision Research, 2009, 49, 1948-1960.	0.7	40
28	Learning to identify near-threshold luminance-defined and contrast-defined letters in observers with amblyopia. Vision Research, 2008, 48, 2739-2750.	0.7	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. PLoS ONE, 2012, 7, e35829.	1.1	37
30	Crowding between first- and second-order letter stimuli in normal foveal and peripheral vision. Journal of Vision, 2007, 7, 10.	0.1	35
31	Factors Affecting Crowded Acuity. Optometry and Vision Science, 2013, 90, 628-638.	0.6	32
32	The effect of letter-stroke boldness on reading speed in central and peripheral vision. Vision Research, 2013, 84, 33-42.	0.7	31
33	Reading Speed Does Not Benefit from Increased Line Spacing in AMD Patients. Optometry and Vision Science, 2008, 85, 827-833.	0.6	29
34	Low Vision and Plasticity: Implications for Rehabilitation. Annual Review of Vision Science, 2016, 2, 321-343.	2.3	28
35	Spatial-frequency and contrast properties of reading in central and peripheral vision. Journal of Vision, 2009, 9, 16-16.	0.1	27
36	Visual Acuity Is Not the Best at the Preferred Retinal Locus in People with Macular Disease. Optometry and Vision Science, 2018, 95, 829-836.	0.6	24

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37	Influence of Motion Smear on Visual Acuity in Simulated Infantile Nystagmus. Optometry and Vision Science, 2011, 88, 200-207.	0.6	22
38	Sensory factors limiting horizontal and vertical visual span for letter recognition. Journal of Vision, 2014, 14, 3-3.	0.1	22
39	Reading in the presence of macular disease: a miniâ€review. Ophthalmic and Physiological Optics, 2020, 40, 171-186.	1.0	22
40	Spatial-frequency properties of letter identification in amblyopia. Vision Research, 2002, 42, 1571-1581.	0.7	21
41	Object crowding in age-related macular degeneration. Journal of Vision, 2017, 17, 33.	0.1	21
42	Donepezil Does Not Enhance Perceptual Learning in Adults with Amblyopia: A Pilot Study. Frontiers in Neuroscience, 2017, 11, 448.	1.4	20
43	The Glenn A. Fry Award Lecture 2012. Optometry and Vision Science, 2013, 90, 520-529.	0.6	18
44	Learning to identify crowded letters: Does the learning depend on the frequency of training?. Vision Research, 2013, 77, 41-50.	0.7	17
45	Shift in spatial scale in identifying crowded letters. Vision Research, 2007, 47, 437-451.	0.7	16
46	Can reading-specific training stimuli improve the effect of perceptual learning on peripheral reading speed?. Vision Research, 2012, 66, 17-25.	0.7	16
47	Can (should) theories of crowding be unified?. Journal of Vision, 2016, 16, 10.	0.1	16
48	Size or spacing: Which limits letter recognition in people with age-related macular degeneration?. Vision Research, 2014, 101, 167-176.	0.7	15
49	Enhancing Visual Performance for People with Central Vision Loss. Optometry and Vision Science, 2010, 87, 276-284.	0.6	15
50	Spatial localisation in autism: evidence for differences in early cortical visual processing. Molecular Autism, 2013, 4, 4.	2.6	14
51	The Role of External Features in Face Recognition with Central Vision Loss. Optometry and Vision Science, 2016, 93, 510-520.	0.6	14
52	Suboptimal eye movements for seeing fine details. Journal of Vision, 2018, 18, 8.	0.1	14
53	Feature contingencies when reading letter strings. Vision Research, 2019, 156, 84-95.	0.7	12
54	The mechanism of word crowding. Vision Research, 2012, 52, 61-69.	0.7	11

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55	Training peripheral vision to read: Boosting the speed of letter processing. Vision Research, 2018, 152, 51-60.	0.7	11
56	Critical Orientation for Face Identification in Central Vision Loss. Optometry and Vision Science, 2011, 88, 724-732.	0.6	10
57	Dependence of Reading Speed on Letter Spacing in Central Vision Loss. Optometry and Vision Science, 2012, 89, 1288-1298.	0.6	10
58	A window into visual cortex development and recovery of vision: Introduction to the Vision Research special issue on Amblyopia. Vision Research, 2015, 114, 1-3.	0.7	10
59	The generality of the critical spacing for crowded optotypes: From Bouma to the 21st century. Journal of Vision, 2021, 21, 18.	0.1	10
60	Detection and identification of crowded mirror-image letters in normal peripheral vision. Vision Research, 2010, 50, 337-345.	0.7	9
61	Bolder print does not increase reading speed in people with central vision loss. Vision Research, 2018, 153, 98-104.	0.7	9
62	Crowding, visual awareness, and their respective neural loci. Journal of Vision, 2017, 17, 18.	0.1	8
63	New Challenges in Low-Vision Research. Optometry and Vision Science, 2012, 89, 1244-1245.	0.6	7
64	Crowding in the S-cone pathway. Vision Research, 2016, 122, 81-92.	0.7	7
65	Unmasking saccadic uncrowding. Vision Research, 2016, 127, 152-164.	0.7	7
66	Interaction between stimulus contrast and pre-saccadic crowding. Royal Society Open Science, 2017, 4, 160559.	1.1	7
67	Orientation information in encoding facial expressions. Vision Research, 2018, 150, 29-37.	0.7	7
68	Exploration of the functional consequences of fixational eye movements in the absence of a fovea. Journal of Vision, 2020, 20, 12.	0.1	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. Journal of Vision, 2016, 16, 8.	0.1	6
71	Music-reading expertise modulates the visual span for English letters but not Chinese characters. Journal of Vision, 2019, 19, 10.	0.1	6
72	Orientation Information in Encoding Facial Expressions. Journal of Vision, 2011, 11, 604-604.	0.1	6

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73	Sequential perceptual learning of letter identification and â€œuncrowdingâ€•in normal peripheral vision: Effects of task, training order, and cholinergic enhancement. Journal of Vision, 2020, 20, 24.	0.1	5
74	Changes across the psychometric function following perceptual learning of an RSVP reading task. Frontiers in Psychology, 2014, 5, 1434.	1.1	4
75	Temporal Dynamics of the Crowding Mechanism. Journal of Vision, 2011, 11, 1143-1143.	0.1	4
76	Testing vision: From laboratory psychophysical tests to clinical evaluation. Vision Research, 2013, 90, 1.	0.7	3
77	Visual factors in reading. Vision Research, 2019, 161, 60-62.	0.7	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. Behavioral and Brain Sciences, 2012, 35, 297-298.	0.4	2
80	Training to improve temporal processing of letters benefits reading speed for people with central vision loss. Journal of Vision, 2021, 21, 14.	0.1	2
81	Properties of the â€œPreferred Retinal Locusâ€•in Response to Asymmetrical Progression of Simulated Central Scotomas. Journal of Vision, 2020, 20, 1341.	0.1	2
82	A "fuller" report on mislocation errors in visual crowding. Journal of Vision, 2012, 12, 332-332.	0.1	1
83	Acuity, contrast, eccentricity, and crowding. Journal of Vision, 2013, 13, 567-567.	0.1	1
84	Crowding in individuals with age-related macular degeneration. Journal of Vision, 2012, 12, 336-336.	0.1	1
85	Functional Consequences of Slow Drift Fixational Eye Movements in Patients with Central Vision Loss. Journal of Vision, 2015, 15, 72.	0.1	1
86	Unifying the Quantification of Fixation Stability. Journal of Vision, 2018, 18, 1000.	0.1	1
87	Spatio-Temporal Dependencies of Letter Feature Processing. Journal of Vision, 2019, 19, 65b.	0.1	1
88	Spatial and temporal proximity of objects for maximal crowding. Vision Research, 2022, 194, 108012.	0.7	1
89	Orientation Information in Encoding Facial Expressions for People With Central Vision Loss. , 2019, 60, 1175.		0
90	Authors' Response. Optometry and Vision Science, 2019, 96, 143-143.	0.6	0

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91	Letter crowding increases with flanker complexity. Journal of Vision, 2010, 10, 1346-1346.	0.1	0
92	Can positional averaging explain crowded letter confusions?. Journal of Vision, 2011, 11, 1155-1155.	0.1	0
93	Target and flanker perception are related in crowded letter identification. Journal of Vision, 2011, 11, 1141-1141.	0.1	0
94	Orientation Bandwidth Requirement for Face Identification in Foveal and Peripheral Vision. Journal of Vision, 2011, 11, 31-31.	0.1	0
95	Is Letter Recognition more "Ideal" than Face Recognition?. Journal of Vision, 2012, 12, 529-529.	0.1	0
96	Evaluation of a biologically-inspired neural network for letter recognition. Journal of Vision, 2012, 12, 537-537.	0.1	0
97	Contributions of target and flanker features to crowding. Journal of Vision, 2012, 12, 331-331.	0.1	0
98	Predicting reading performance for different fonts using physical and perceptual properties of letters. Journal of Vision, 2013, 13, 1300-1300.	0.1	0
99	Saccades affect crowding, but crowding does not affect saccades. Journal of Vision, 2013, 13, 580-580.	0.1	0
100	Coarse-to-fine spatial analysis for identifying multiple letters?. Journal of Vision, 2013, 13, 1302-1302.	0.1	0
101	A kindler, gentler adaptive psychophysical procedure. Journal of Vision, 2014, 14, 390-390.	0.1	0
102	Fixation strategies revealed by the retinal imaging. Journal of Vision, 2014, 14, 114-114.	0.1	0
103	The two-dimensional shape of the crowding zone following macular lesions. Journal of Vision, 2014, 14, 768-768.	0.1	0
104	Effects of Flankers Within the Crowding Zone. Journal of Vision, 2015, 15, 97.	0.1	0
105	Do Fixation Strategies Change with Target Size?. Journal of Vision, 2016, 16, 38.	0.1	0
106	The effect of stimulus contrast on pre-saccadic orientation discrimination. Journal of Vision, 2016, 16, 1040.	0.1	0
107	Do eye movements referenced to an extra-foveal retinal location in the absence of a functioning fovea?. Journal of Vision, 2016, 16, 1336.	0.1	0
108	Enhancing discrimination of fine spatial details with fixational eye movements: Is there an extra-retinal component?. Journal of Vision, 2017, 17, 1157.	0.1	0

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109	Combining the cholinesterase inhibitor donepezil with perceptual learning in adults with amblyopia. Journal of Vision, 2017, 17, 36.	0.1	0
110	Radial-tangential anisotropy of bisection thresholds in the normal periphery. Journal of Vision, 2019, 19, 67b.	0.1	0
111	Pre-saccadic isotropization of crowding zones. Journal of Vision, 2019, 19, 65.	0.1	0