Roger W Li

List of Publications by Year
in descending order

36 papers	2,291 citations	430874 18 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	1796 citing authors

#	Article	IF	Citations
1	Removing Brakes on Adult Brain Plasticity: From Molecular to Behavioral Interventions. Journal of Neuroscience, 2010, 30, 14964-14971.	3.6	506
2	Perceptual learning as a potential treatment for amblyopia: A mini-review. Vision Research, 2009, 49, 2535-2549.	1.4	322
3	Video-Game Play Induces Plasticity in the Visual System of Adults with Amblyopia. PLoS Biology, 2011, 9, e1001135.	5.6	229
4	Perceptual learning improves efficiency by re-tuning the decision 'template' for position discrimination. Nature Neuroscience, 2004, 7, 178-183.	14.8	125
5	Improving the performance of the amblyopic visual system. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 399-407.	4.0	122
6	Blue-Light Filtering Spectacle Lenses: Optical and Clinical Performances. PLoS ONE, 2017, 12, e0169114.	2.5	103
7	Prolonged Perceptual Learning of Positional Acuity in Adult Amblyopia: Perceptual Template Retuning Dynamics. Journal of Neuroscience, 2008, 28, 14223-14229.	3.6	94
8	Characteristics of fixational eye movements in amblyopia: Limitations on fixation stability and acuity?. Vision Research, 2015, 114, 87-99.	1.4	88
9	Characterizing the mechanisms of improvement for position discrimination in adult amblyopia. Journal of Vision, 2004, 4, 7-7.	0.3	82
10	Perceptual Learning Improves Visual Performance in Juvenile Amblyopia. , 2005, 46, 3161.		81
11	Extended Perceptual Learning Results in Substantial Recovery of Positional Acuity and Visual Acuity in Juvenile Amblyopia. , 2007, 48, 5046.		81
12	Identification of contrast-defined letters benefits from perceptual learning in adults with amblyopia. Vision Research, 2006, 46, 3853-3861.	1.4	65
13	Learning to identify near-threshold luminance-defined and contrast-defined letters in observers with amblyopia. Vision Research, 2008, 48, 2739-2750.	1.4	37
14	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.	2.5	37
15	Crowding between first- and second-order letter stimuli in normal foveal and peripheral vision. Journal of Vision, 2007, 7, 10.	0.3	35
16	The expandability of the eye in childhood myopia. Current Eye Research, 2003, 26, 65-71.	1.5	34
17	Blur detection thresholds in childhood myopia: single and dual target presentation. Vision Research, 2002, 42, 239-247.	1.4	30
18	A Weber-like law for perceptual learning. Scientific Reports, 2013, 3, 1158.	3.3	30

#	Article	IF	Citations
19	Variation in vernier acuity with age. Vision Research, 2000, 40, 3775-3781.	1.4	20
20	Donepezil Does Not Enhance Perceptual Learning in Adults with Amblyopia: A Pilot Study. Frontiers in Neuroscience, 2017, 11, 448.	2.8	20
21	The receptive field and internal noise for position acuity change with feature separation. Journal of Vision, 2006, 6, 2.	0.3	19
22	Monocular blur alters the tuning characteristics of stereopsis for spatial frequency and size. Royal Society Open Science, 2016, 3, 160273.	2.4	18
23	Relieving the Attentional Blink in the Amblyopic Brain with Video Games. Scientific Reports, 2015, 5, 8483.	3.3	17
24	Learning to identify contrast-defined letters in peripheral vision. Vision Research, 2006, 46, 1038-1047.	1.4	16
25	Improving Adult Amblyopic Vision with Stereoscopic 3-Dimensional Video Games. Ophthalmology, 2018, 125, 1660-1662.	5.2	13
26	Sharpening coarse-to-fine stereo vision by perceptual learning: asymmetric transfer across the spatial frequency spectrum. Royal Society Open Science, 2016, 3, 150523.	2.4	10
27	â€œPhase captureâ€•in amblyopia: The influence function for sampled shape. Vision Research, 2005, 45, 1793-1805.	1.4	9
28	â€œPhase captureâ€•in the perception of interpolated shape: cue combination and the influence function. Vision Research, 2003, 43, 2233-2243.	1.4	8
29	Aging and Visual Counting. PLoS ONE, 2010, 5, e13434.	2.5	8
30	Crowding between first- and second-order letters in amblyopia. Vision Research, 2008, 48, 788-798.	1.4	7
31	Interfacing the Shin-Nippon autorefractor SRW-5000 with a personal computer. Ophthalmic and Physiological Optics, 2001, 21, 114-116.	2.0	6
32	Feasibility Study on a Hyperacuity Device With Motion Uncertainty: Two-Point Stimuli. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 385-397.	5.0	6
33	Reduced sampling efficiency causes degraded Vernier hyperacuity with normal aging: Vernier acuity in position noise. Scientific Reports, 2012, 2, 300.	3.3	5
34	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.	0.3	5
35	Meridional Anisotropy of Foveal and Peripheral Resolution Acuity in Adults With Emmetropia, Myopia, and Astigmatism. , 2021, 62, 11.		2
36	Spatial noise provides new insights into the "receptive field" for Vernier acuity. Journal of Vision, 2010, 3, 353-353.	0.3	1