Aaron R Seitz

List of Publications by Citations

56 papers	1,012 citations	16 h-index	31 g-index
64 ext. papers	1,343 ext. citations	3.9 avg, IF	4.92 L-index

#	Paper	IF	Citations
56	The phenomenon of task-irrelevant perceptual learning. *Vision Research*, **2009**, 49, 2604-10	2.1	108
55	Multiple Causal Links Between Magnocellular-Dorsal Pathway Deficit and Developmental Dyslexia. *Cerebral Cortex*, **2016**, 26, 4356-4369	5.1	101
54	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*, **2019**, 3, 2-29	2.4	91
53	Prolonged training at threshold promotes robust retinotopic specificity in perceptual learning. *Journal of Neuroscience*, **2014**, 34, 8423-31	6.6	90
52	Improved vision and on-field performance in baseball through perceptual learning. *Current Biology*, **2014**, 24, R146-7	6.3	66
51	Broad-based visual benefits from training with an integrated perceptual-learning video game. *Vision Research*, **2014**, 99, 134-40	2.1	47
50	Towards a whole brain model of Perceptual Learning. *Current Opinion in Behavioral Sciences*, **2018**, 20, 47-55	4	46
49	How to build better memory training games. *Frontiers in Systems Neuroscience*, **2014**, 8, 243	3.5	43
48	Autistic traits, but not schizotypy, predict increased weighting of sensory information in Bayesian visual integration. *ELife*, **2018**, 7,	8.9	38
47	Applying perceptual learning to achieve practical changes in vision. *Frontiers in Psychology*, **2014**, 5, 1166	3.4	30
46	Deep Neural Networks for Modeling Visual Perceptual Learning. *Journal of Neuroscience*, **2018**, 38, 6028-6044	6.6	29
45	The Benefits and Challenges of Implementing Motivational Features to Boost Cognitive Training Outcome. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*, **2017**, 1, 491-507	2.4	28
44	Is task-irrelevant learning really task-irrelevant?. *PLoS ONE*, **2008**, 3, e3792	3.7	22
43	Visual rhythm perception improves through auditory but not visual training. *Current Biology*, **2015**, 25, R60-R61	6.3	21
42	Divergent Research Methods Limit Understanding of Working Memory Training. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*, **2020**, 4, 100-120	2.4	20
41	A Latent Factor Analysis of Working Memory Measures Using Large-Scale Data. *Frontiers in Psychology*, **2017**, 8, 1062	3.4	19
40	Video gaming and working memory: a large-scale cross-sectional correlative study. *Computers in Human Behavior*, **2019**, 97, 94-103	7.7	14

39	Acquisition of visual priors and induced hallucinations in chronic schizophrenia. *Brain*, **2019**, 142, 2523-2537	11.2	14
38	Portable Automated Rapid Testing (PART) for auditory assessment: Validation in a young adult normal-hearing population. *Journal of the Acoustical Society of America*, **2020**, 148, 1831	2.2	14
37	Encoding of episodic information through fast task-irrelevant perceptual learning. *Vision Research*, **2014**, 99, 5-11	2.1	13
36	Contrast dependency and prior expectations in human speed perception. *Vision Research*, **2014**, 97, 16-23	2.1	12
35	Predicting individual contrast sensitivity functions from acuity and letter contrast sensitivity measurements. *Journal of Vision*, **2016**, 16, 15	0.4	12
34	Visual perceptual remediation for individuals with schizophrenia: Rationale, method, and three case studies. *Psychiatric Rehabilitation Journal*, **2017**, 40, 43-52	2.4	11
33	Visual perceptual learning by operant conditioning training follows rules of contingency. *Visual Cognition*, **2015**, 23, 147-160	1.8	9
32	Dissociable behavioural outcomes of visual statistical learning. *Visual Cognition*, **2016**, 23, 1072-1097	1.8	9
31	Incidental orthographic learning during a color detection task. *Cognition*, **2017**, 166, 251-271	3.5	8
30	We don't all look the same; detailed examination of peripheral looking strategies after simulated central vision loss. *Journal of Vision*, **2020**, 20, 5	0.4	8
29	Cognitive neuroscience: targeting neuroplasticity with neural decoding and biofeedback. *Current Biology*, **2013**, 23, R210-2	6.3	8
28	Detecting and quantifying topography in neural maps. *PLoS ONE*, **2014**, 9, e87178	3.7	8
27	The therapeutic benefits of perceptual learning **2013**, 7, 39-49		8
26	Effect of Varying Levels of Glare on Contrast Sensitivity Measurements of Young Healthy Individuals Under Photopic and Mesopic Vision. *Frontiers in Psychology*, **2018**, 9, 899	3.4	7
25	Perceptual learning: stimulus-specific learning from low-level visual plasticity?. *Current Biology*, **2011**, 21, R814-5	6.3	7
24	A method to characterize compensatory oculomotor strategies following simulated central vision loss. *Journal of Vision*, **2020**, 20, 15	0.4	5
23	Nonnative implicit phonetic training in multiple reverberant environments. *Attention, Perception, and Psychophysics*, **2019**, 81, 935-947	2	4
22	Sensory learning: rapid extraction of meaning from noise. *Current Biology*, **2010**, 20, R643-4	6.3	4

21	Development and Evaluation of a Visual Remediation Intervention for People with Schizophrenia. *Journal of Psychiatry and Brain Science*, **2020**, 5,	1.7	4
20	Uncertainty in fast task-irrelevant perceptual learning boosts learning of images in women but not men. *Journal of Vision*, **2014**, 14,	0.4	3
19	Word-decoding as a function of temporal processing in the visual system. *PLoS ONE*, **2013**, 8, e84010	3.7	3
18	Perceptual Expertise: How Is It Achieved?. *Current Biology*, **2020**, 30, R875-R878	6.3	3
17	Portable Automated Rapid Testing (PART) of auditory processing abilities in young normally-hearing listeners: A remotely administered replication with participant-owned devices		3
16	Exponential spectro-temporal modulation generation. *Journal of the Acoustical Society of America*, **2021**, 149, 1434	2.2	3
15	Temporal integration of monaural and dichotic frequency modulation. *Journal of the Acoustical Society of America*, **2021**, 150, 745	2.2	3
14	N-Back Related ERPs Depend on Stimulus Type, Task Structure, Pre-processing, and Lab Factors. *Frontiers in Human Neuroscience*, **2020**, 14, 549966	3.3	2
13	Performance-monitoring integrated reweighting model of perceptual learning. *Vision Research*, **2018**, 152, 17-39	2.1	2
12	A New Look at Visual System Plasticity. *Trends in Cognitive Sciences*, **2019**, 23, 82-83	14	2
11	Perceptual Learning: How Does the Visual Circuit Change through Experience?. *Current Biology*, **2020**, 30, R1309-R1311	6.3	1
10	UCancellation: A new mobile measure of selective attention and concentration.. *Behavior Research Methods*, **2022**, 1	6.1	1
9	Auditory-visual interactions in egocentric distance perception: Ventriloquism effect and aftereffect. *Journal of the Acoustical Society of America*, **2021**, 150, 3593	2.2	1
8	Oculomotor strategy classification in simulated central vision loss. *Journal of Vision*, **2019**, 19, 145c	0.4	1
7	Multisensory Facilitation of Working Memory Training. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*, **2021**, 5, 386-395	2.4	1
6	Training with an auditory perceptual learning game transfers to speech in competition. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*, **2021**, 1-20	2.4	1
5	Perceptual Learning: Changes across the Lifespan. *Current Biology*, **2021**, 31, R69-R72	6.3	1
4	Video-Based Remote Administration of Cognitive Assessments and Interventions: a Comparison with In-Lab Administration.. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*, **2022**, 1-11	2.4	1

3	Perspective on Vision Science-Informed Interventions for Central Vision Loss. *Frontiers in Neuroscience*, **2021**, 15, 734970	5.1	0
2	Relating Suprathreshold Auditory Processing Abilities to Speech Understanding in Competition. *Brain Sciences*, **2022**, 12, 695	3.4	0
1	Multi-line Adaptive Perimetry (MAP): A New Procedure for Quantifying Visual Field Integrity for Rapid Assessment of Macular Diseases. *Translational Vision Science and Technology*, **2018**, 7, 28	3.3	