

Aaron R Seitz

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,610
citations

361296

20
h-index

330025

37
g-index

64
all docs

64
docs citations

64
times ranked

1582
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019, 3, 2-29. | 0.8 | 149 |
| 2 | Multiple Causal Links Between Magnocellular Dorsal Pathway Deficit and Developmental Dyslexia. <i>Cerebral Cortex</i> , 2016, 26, 4356-4369. | 1.6 | 136 |
| 3 | The phenomenon of task-irrelevant perceptual learning. <i>Vision Research</i> , 2009, 49, 2604-2610. | 0.7 | 132 |
| 4 | Prolonged Training at Threshold Promotes Robust Retinotopic Specificity in Perceptual Learning. <i>Journal of Neuroscience</i> , 2014, 34, 8423-8431. | 1.7 | 114 |
| 5 | Improved vision and on-field performance in baseball through perceptual learning. <i>Current Biology</i> , 2014, 24, R146-R147. | 1.8 | 92 |
| 6 | Towards a whole brain model of Perceptual Learning. <i>Current Opinion in Behavioral Sciences</i> , 2018, 20, 47-55. | 2.0 | 89 |
| 7 | Autistic traits, but not schizotypy, predict increased weighting of sensory information in Bayesian visual integration. <i>ELife</i> , 2018, 7, . | 2.8 | 69 |
| 8 | How to build better memory training games. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 243. | 1.2 | 65 |
| 9 | Broad-based visual benefits from training with an integrated perceptual-learning video game. <i>Vision Research</i> , 2014, 99, 134-140. | 0.7 | 64 |
| 10 | Deep Neural Networks for Modeling Visual Perceptual Learning. <i>Journal of Neuroscience</i> , 2018, 38, 6028-6044. | 1.7 | 57 |
| 11 | The Benefits and Challenges of Implementing Motivational Features to Boost Cognitive Training Outcome. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2017, 1, 491-507. | 0.8 | 50 |
| 12 | Applying perceptual learning to achieve practical changes in vision. <i>Frontiers in Psychology</i> , 2014, 5, 1166. | 1.1 | 46 |
| 13 | Visual rhythm perception improves through auditory but not visual training. <i>Current Biology</i> , 2015, 25, R60-R61. | 1.8 | 42 |
| 14 | Divergent Research Methods Limit Understanding of Working Memory Training. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2020, 4, 100-120. | 0.8 | 38 |
| 15 | A Latent Factor Analysis of Working Memory Measures Using Large-Scale Data. <i>Frontiers in Psychology</i> , 2017, 8, 1062. | 1.1 | 36 |
| 16 | Video gaming and working memory: A large-scale cross-sectional correlative study. <i>Computers in Human Behavior</i> , 2019, 97, 94-103. | 5.1 | 32 |
| 17 | Acquisition of visual priors and induced hallucinations in chronic schizophrenia. <i>Brain</i> , 2019, 142, 2523-2537. | 3.7 | 27 |
| 18 | Is Task-Irrelevant Learning Really Task-Irrelevant?. <i>PLoS ONE</i> , 2008, 3, e3792. | 1.1 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Encoding of episodic information through fast task-irrelevant perceptual learning. <i>Vision Research</i> , 2014, 99, 5-11. | 0.7 | 26 |
| 20 | Predicting individual contrast sensitivity functions from acuity and letter contrast sensitivity measurements. <i>Journal of Vision</i> , 2016, 16, 15. | 0.1 | 25 |
| 21 | Portable Automated Rapid Testing (PART) for auditory assessment: Validation in a young adult normal-hearing population. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1831-1851. | 0.5 | 25 |
| 22 | Contrast dependency and prior expectations in human speed perception. <i>Vision Research</i> , 2014, 97, 16-23. | 0.7 | 19 |
| 23 | Dissociable behavioural outcomes of visual statistical learning. <i>Visual Cognition</i> , 2015, 23, 1072-1097. | 0.9 | 15 |
| 24 | Cognitive Neuroscience: Targeting Neuroplasticity with Neural Decoding and Biofeedback. <i>Current Biology</i> , 2013, 23, R210-R212. | 1.8 | 14 |
| 25 | Visual perceptual learning by operant conditioning training follows rules of contingency. <i>Visual Cognition</i> , 2015, 23, 147-160. | 0.9 | 14 |
| 26 | Visual perceptual remediation for individuals with schizophrenia: Rationale, method, and three case studies.. <i>Psychiatric Rehabilitation Journal</i> , 2017, 40, 43-52. | 0.8 | 14 |
| 27 | We don't all look the same; detailed examination of peripheral looking strategies after simulated central vision loss. <i>Journal of Vision</i> , 2020, 20, 5. | 0.1 | 14 |
| 28 | Detecting and Quantifying Topography in Neural Maps. <i>PLoS ONE</i> , 2014, 9, e87178. | 1.1 | 13 |
| 29 | Effect of Varying Levels of Glare on Contrast Sensitivity Measurements of Young Healthy Individuals Under Photopic and Mesopic Vision. <i>Frontiers in Psychology</i> , 2018, 9, 899. | 1.1 | 13 |
| 30 | N-Back Related ERPs Depend on Stimulus Type, Task Structure, Pre-processing, and Lab Factors. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 549966. | 1.0 | 13 |
| 31 | Incidental orthographic learning during a color detection task. <i>Cognition</i> , 2017, 166, 251-271. | 1.1 | 12 |
| 32 | A method to characterize compensatory oculomotor strategies following simulated central vision loss. <i>Journal of Vision</i> , 2020, 20, 15. | 0.1 | 11 |
| 33 | The therapeutic benefits of perceptual learning. <i>Current Trends in Neurology</i> , 2013, 7, 39-49. | 0.5 | 9 |
| 34 | Near transfer to an unrelated N-back task mediates the effect of N-back working memory training on matrix reasoning. <i>Nature Human Behaviour</i> , 2022, 6, 1243-1256. | 6.2 | 9 |
| 35 | Multisensory Facilitation of Working Memory Training. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2021, 5, 386-395. | 0.8 | 8 |
| 36 | Perceptual Learning: Stimulus-Specific Learning from Low-Level Visual Plasticity?. <i>Current Biology</i> , 2011, 21, R814-R815. | 1.8 | 7 |

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|----|--|-----|-----------|
| 37 | UCancellation: A new mobile measure of selective attention and concentration. Behavior Research Methods, 2022, , 1. | 2.3 | 7 |
| 38 | Sensory Learning: Rapid Extraction of Meaning from Noise. Current Biology, 2010, 20, R643-R644. | 1.8 | 6 |
| 39 | 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, 6, 316-326. | 0.8 | 6 |
| 40 | Nonnative implicit phonetic training in multiple reverberant environments. Attention, Perception, and Psychophysics, 2019, 81, 935-947. | 0.7 | 5 |
| 41 | Exponential spectro-temporal modulation generation. Journal of the Acoustical Society of America, 2021, 149, 1434-1443. | 0.5 | 5 |
| 42 | Development and Evaluation of a Visual Remediation Intervention for People with Schizophrenia. Journal of Psychiatry and Brain Science, 2020, 5, . | 0.3 | 5 |
| 43 | Auditory-visual interactions in egocentric distance perception: Ventriloquism effect and aftereffect. Journal of the Acoustical Society of America, 2021, 150, 3593-3607. | 0.5 | 5 |
| 44 | Performance-monitoring integrated reweighting model of perceptual learning. Vision Research, 2018, 152, 17-39. | 0.7 | 4 |
| 45 | Training with an auditory perceptual learning game transfers to speech in competition. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2022, 6, 47-66. | 0.8 | 4 |
| 46 | Relating Suprathreshold Auditory Processing Abilities to Speech Understanding in Competition. Brain Sciences, 2022, 12, 695. | 1.1 | 4 |
| 47 | Word-Decoding as a Function of Temporal Processing in the Visual System. PLoS ONE, 2013, 8, e84010. | 1.1 | 3 |
| 48 | Uncertainty in fast task-irrelevant perceptual learning boosts learning of images in women but not men. Journal of Vision, 2014, 14, 26-26. | 0.1 | 3 |
| 49 | A New Look at Visual System Plasticity. Trends in Cognitive Sciences, 2019, 23, 82-83. | 4.0 | 3 |
| 50 | Perceptual Expertise: How Is It Achieved?. Current Biology, 2020, 30, R875-R878. | 1.8 | 3 |
| 51 | Temporal integration of monaural and dichotic frequency modulation. Journal of the Acoustical Society of America, 2021, 150, 745-758. | 0.5 | 3 |
| 52 | Perceptual Learning: Changes across the Lifespan. Current Biology, 2021, 31, R69-R72. | 1.8 | 2 |
| 53 | Perspective on Vision Science-Informed Interventions for Central Vision Loss. Frontiers in Neuroscience, 2021, 15, 734970. | 1.4 | 2 |
| 54 | Perceptual Learning: How Does the Visual Circuit Change through Experience?. Current Biology, 2020, 30, R1309-R1311. | 1.8 | 1 |

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|----|---|-----|-----------|
| 55 | Locus Coeruleus Engagement Drives Network Connectivity Dynamics In Humans And Rats. , 2019, , . | | 1 |
| 56 | Oculomotor strategy classification in simulated central vision loss. Journal of Vision, 2019, 19, 145c. | 0.1 | 1 |
| 57 | 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. | 1.1 | 0 |
| 58 | Does Training on Broad Band Tactile Stimulation Promote the Generalization of Learning?. , 2019, , . | | 0 |
| 59 | Supplementing a widely available weight loss program with gamified inhibitory control training: A randomized pilot study. Obesity Science and Practice, 0, , . | 1.0 | 0 |