Stephen A Engel

List of Publications by Year
in descending order

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75 papers	5,889 citations	331670 21 h-index	155660 55 g-index
82 all docs	82 docs citations	82 times ranked	5057 citing authors

#	Article	IF	Citations
1	Depth-dependent functional MRI responses to chromatic and achromatic stimuli throughout V1 and V2. NeuroImage, 2021, 226, 117520.	4.2	6
2	Mindfulness Improves Brainâ€“Computer Interface Performance by Increasing Control Over Neural Activity in the Alpha Band. Cerebral Cortex, 2021, 31, 426-438.	2.9	33
3	Color Compensation in Anomalous Trichromats Assessed with fMRI. Current Biology, 2021, 31, 936-942.e4.	3.9	28
4	Visual adaptation selective for individual limbs reveals hierarchical human body representation. Journal of Vision, 2021, 21, 18.	0.3	3
5	The McCollough World: Induction of orientation-contingent aftereffects with an altered-reality system. Vision Research, 2021, 184, 8-13.	1.4	1
6	Evidence for the McCollough Effect in Primary Visual Cortex. Journal of Vision, 2021, 21, 2814.	0.3	0
7	High-resolution functional MRI responses to chromatic and achromatic stimuli in V1 and V2. Journal of Vision, 2021, 21, 2827.	0.3	0
8	Structural and Functional Connectivity of Visual Cortex in Schizophrenia and Bipolar Disorder: A Graph-Theoretic Analysis. Schizophrenia Bulletin Open, 2020, 1, sgaa056.	1.7	10
9	Natural-scene-based Steady-state Visual Evoked Potentials Reveal Effects of Short-term Monocular Deprivation. Neuroscience, 2020, 435, 10-21.	2.3	12
10	Control of visual adaptation depends upon task. PLoS ONE, 2020, 15, e0229343.	2.5	2
11	Higher-Level Meta-Adaptation Mitigates Visual Distortions Produced by Lower-Level Adaptation. Psychological Science, 2020, 31, 654-662.	3.3	3
12	Visual mode switching learned through repeated adaptation to color. ELife, 2020, 9, .	6.0	7
13	Uncovering the physiological locus of the McCollough Effect using fMRI. Journal of Vision, 2020, 20, 459.	0.3	0
14	Control of visual adaptation depends upon task. , 2020, 15, e0229343.		0
15	Control of visual adaptation depends upon task. , 2020, 15, e0229343.		0
16	Control of visual adaptation depends upon task. , 2020, 15, e0229343.		0
17	Control of visual adaptation depends upon task. , 2020, 15, e0229343.		0
18	Control of visual adaptation depends upon task. , 2020, 15, e0229343.		0

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19	Control of visual adaptation depends upon task. , 2020, 15, e0229343.		0
20	Augmented Reality as a Tool for Studying Visual Plasticity: 2009 to 2018. Current Directions in Psychological Science, 2019, 28, 574-580.	5.3	12
21	Evidence for intact stimulus-specific neural adaptation for visual objects in schizophrenia and bipolar disorder: An ERP study. PLoS ONE, 2019, 14, e0221409.	2.5	5
22	Long-term adaptation to color. Current Opinion in Behavioral Sciences, 2019, 30, 116-121.	3.9	12
23	Frequency of alpha oscillation predicts individual differences in perceptual stability during binocular rivalry. Human Brain Mapping, 2019, 40, 2422-2433.	3.6	27
24	fMRI evidence of aberrant neural adaptation for objects in schizophrenia and bipolar disorder. Human Brain Mapping, 2019, 40, 1608-1617.	3.6	28
25	McCollough world: A novel induction method for orientation-contingent color aftereffects. Journal of Vision, 2019, 19, 72a.	0.3	0
26	Natural-scene-based SSVEPs revealed effects of short-term monocular deprivation. Journal of Vision, 2019, 19, 62d.	0.3	0
27	Underlying mechanisms of temporal dynamics in bistable perception. Journal of Vision, 2019, 19, 61c.	0.3	0
28	Surface area and cortical magnification of V1, V2, and V3 in a large sample of human observers. Journal of Vision, 2019, 19, 41a.	0.3	0
29	Heritability of V1/V2/V3 surface area in the HCP 7T Retinotopy Dataset. Journal of Vision, 2019, 19, 41b.	0.3	3
30	Conflict-sensitive neurons gate interocular suppression in human visual cortex. Scientific Reports, 2018, 8, 1239.	3.3	21
31	Hemifield columns co-opt ocular dominance column structure in human achiasma. NeuroImage, 2018, 164, 59-66.	4.2	16
32	The Best of Both Worlds: Adaptation During Natural Tasks Produces Long-Lasting Plasticity in Perceptual Ocular Dominance. Psychological Science, 2018, 29, 14-33.	3.3	28
33	Stimulus rivalry and binocular rivalry share a common neural substrate. Journal of Vision, 2018, 18, 18.	0.3	5
34	Orientation-selective contrast adaptation measured with SSVEP. Journal of Vision, 2018, 18, 2.	0.3	3
35	Beneficial Effects of Spatial Remapping for Reading With Simulated Central Field Loss. , 2018, 59, 1105.		11
36	The Independent and Shared Mechanisms of Intrinsic Brain Dynamics: Insights From Bistable Perception. Frontiers in Psychology, 2018, 9, 589.	2.1	32

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37	Long-term contrast deprivation increases neural gain in early visual cortex. Journal of Vision, 2018, 18, 765.	0.3	1
38	Later visual areas can adapt to adapted input from earlier visual areas.. Journal of Vision, 2018, 18, 764.	0.3	0
39	The Fusiform Body Area Represents Spatial Relationships Between Pairs of Body Parts. Journal of Vision, 2018, 18, 408.	0.3	1
40	Cortical Thickness of Functionally Defined Visual Areas in Schizophrenia and Bipolar Disorder. Cerebral Cortex, 2017, 27, bhw151.	2.9	36
41	Deactivation in the posterior mid-cingulate cortex reflects perceptual transitions during binocular rivalry: Evidence from simultaneous EEG-fMRI. NeuroImage, 2017, 152, 1-11.	4.2	21
42	Linking optic radiation volume to visual perception in schizophrenia and bipolar disorder. Schizophrenia Research, 2017, 190, 102-106.	2.0	12
43	Assessing neural tuning for object perception in schizophrenia and bipolar disorder with multivariate pattern analysis of fMRI data. NeuroImage: Clinical, 2017, 16, 491-497.	2.7	18
44	Binocular Rivalry: A Window into Cortical Competition and Suppression. Journal of the Indian Institute of Science, 2017, 97, 477-485.	1.9	2
45	Sustained Cortical and Subcortical Measures of Auditory and Visual Plasticity following Short-Term Perceptual Learning. PLoS ONE, 2017, 12, e0168858.	2.5	6
46	Adaptation Is Slower in High Variability Environments. Journal of Vision, 2017, 17, 494.	0.3	1
47	Phase analysis of SSVEP reveals that masking delays neural response in human cortex. Journal of Vision, 2017, 17, 794.	0.3	1
48	The Modularity of Brain Dynamics: Insights from Bistable Perception. Journal of Vision, 2017, 17, 1213.	0.3	0
49	Relational Representation of Body Parts Revealed by Adaptation. Journal of Vision, 2017, 17, 1238.	0.3	0
50	Fusion breaks at extreme eye positions due to lack of adaptation in the vergence system. Journal of Vision, 2017, 17, 1155.	0.3	0
51	Contrast adaptation reduces SSVEP amplitude. Journal of Vision, 2017, 17, 485.	0.3	0
52	Neurons that detect interocular conflict during binocular rivalry revealed with EEG. Journal of Vision, 2016, 16, 18.	0.3	25
53	Abnormal Ventral and Dorsal Attention Network Activity during Single and Dual Target Detection in Schizophrenia. Frontiers in Psychology, 2016, 7, 323.	2.1	29
54	Habitual wearers of colored lenses adapt more rapidly to the color changes the lenses produce. Vision Research, 2016, 125, 41-48.	1.4	20

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55	Myopes experience greater contrast adaptation during reading. Vision Research, 2016, 121, 1-9.	1.4	3
56	Plasticity, and Its Limits, in Adult Human PrimaryÂVisual Cortex. Multisensory Research, 2015, 28, 297-307.	1.1	25
57	SSVEP signatures of binocular rivalry during simultaneous EEG and fMRI. Journal of Neuroscience Methods, 2015, 243, 53-62.	2.5	17
58	Larger neural responses produce BOLD signals that begin earlier in time. Frontiers in Neuroscience, 2014, 8, 159.	2.8	17
59	The hard-won benefits of familiarity in visual search: naturally familiar brand logos are found faster. Attention, Perception, and Psychophysics, 2014, 76, 914-930.	1.3	17
60	Four Days of Visual Contrast Deprivation Reveals Limits of Neuronal Adaptation. Current Biology, 2014, 24, 2575-2579.	3.9	37
61	Confidence Intervals for fMRI Activation Maps. PLoS ONE, 2013, 8, e82419.	2.5	9
62	The development and use of phase-encoded functional MRI designs. NeuroImage, 2012, 62, 1195-1200.	4.2	54
63	Linear systems analysis of the fMRI signal. NeuroImage, 2012, 62, 975-984.	4.2	68
64	Distinct mechanism for long-term contrast adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5898-5903.	7.1	87
65	Binocular Rivalry Requires Visual Attention. Neuron, 2011, 71, 362-369.	8.1	224
66	Effects of Orientation-Specific Visual Deprivation Induced with Altered Reality. Current Biology, 2009, 19, 1956-1960.	3.9	60
67	Nonlinearities in rapid event-related fMRI explained by stimulus scaling. NeuroImage, 2007, 34, 651-660.	4.2	26
68	Motion from occlusion. Journal of Vision, 2006, 6, 9.	0.3	17
69	Adaptation of Oriented and Unoriented Color-Selective Neurons in Human Visual Areas. Neuron, 2005, 45, 613-623.	8.1	92
70	Selective Adaptation to Color Contrast in Human Primary Visual Cortex. Journal of Neuroscience, 2001, 21, 3949-3954.	3.6	93
71	Interocular rivalry revealed in the human cortical blind-spot representation. Nature, 2001, 411, 195-199.	27.8	411
72	Remembering episodes: a selective role for the hippocampus during retrieval. Nature Neuroscience, 2000, 3, 1149-1152.	14.8	824

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73	Colour tuning in human visual cortex measured with functional magnetic resonance imaging. Nature, 1997, 388, 68-71.	27.8	312
74	Linear Systems Analysis of Functional Magnetic Resonance Imaging in Human V1. Journal of Neuroscience, 1996, 16, 4207-4221.	3.6	2,099
75	fMRI of human visual cortex. Nature, 1994, 369, 525-525.	27.8	896