Hans SupÃ¨r

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2073252/publications.pdf

Version: 2024-02-01

64
papers

3,250
citations

279798
23
h-index

155660
55
g-index

65
all docs

65
docs citations

65
times ranked

2755
citing authors

#	Article	IF	Citations
1	Atypical Arousal Regulation in Children With Autism but Not With Attention-Deficit/Hyperactivity Disorder as Indicated by Pupillometric Measures of Locus Coeruleus Activity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 11-20.	1.5	13
2	Atypical cognitive vergence responses in children with attention deficit hyperactivity disorder but not with autism spectrum disorder in a facial emotion recognition task. Psychiatry Research Communications, 2022, 2, 100045.	1.0	2
3	Eye Vergence Responses During an Attention Task in Adults With ADHD and Clinical Controls. Journal of Attention Disorders, 2021, 25, 1302-1310.	2.6	8
4	Dynamic decorrelation as a unifying principle for explaining a broad range of brightness phenomena. PLoS Computational Biology, 2021, 17, e1007907.	3.2	3
5	Altered Vergence Eye Movements and Pupil Response of Patients with Alzheimerâ€™s Disease and Mild Cognitive Impairment During an Oddball Task. Journal of Alzheimer's Disease, 2021, 82, 421-433.	2.6	7
6	Vergence eye movements during figure-ground perception. Consciousness and Cognition, 2021, 92, 103138.	1.5	4
7	Pupil dilation during visuospatial orienting differentiates between autism spectrum disorder and attentionâ€deficit/hyperactivity disorder. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2020, 61, 614-624.	5.2	20
8	Eye vergence responses in children with and without reading difficulties during a word detection task. Vision Research, 2020, 169, 6-11.	1.4	7
9	Eye vergence responses to novel and familiar stimuli in young children. Acta Psychologica, 2019, 193, 190-196.	1.5	4
10	Luminance gradients and non-gradients as a cue for distinguishing reflectance and illumination in achromatic images: A computational approach. Neural Networks, 2019, 110, 66-81.	5.9	2
11	Clinical Validation of Eye Vergence as an Objective Marker for Diagnosis of ADHD in Children. Journal of Attention Disorders, 2019, 23, 599-614.	2.6	25
12	Novel Interactive Eye-Tracking Game for Training Attention in Children With Attention-Deficit/Hyperactivity Disorder. primary care companion for CNS disorders, The, 2019, 21, .	0.6	28
13	Vergence responses to face stimuli in young children. NeuroReport, 2018, 29, 219-223.	1.2	7
14	Eye vergence responses during a visual memory task. NeuroReport, 2017, 28, 123-127.	1.2	9
15	â€˜Two vs oneâ€™ rivalry by the Loxleyâ€“Robinson model. Biological Cybernetics, 2017, 111, 405-420.	1.3	0
16	Bump competition and lattice solutions in two-dimensional neural fields. Neural Networks, 2017, 94, 141-158.	5.9	2
17	Attentional Selection Accompanied by Eye Vergence as Revealed by Event-Related Brain Potentials. PLoS ONE, 2016, 11, e0167646.	2.5	12
18	Global oscillation regime change by gated inhibition. Neural Networks, 2016, 82, 76-83.	5.9	0

#	Article	IF	Citations
19	Feature-Based Attention by Lateral Spike Synchronization. Neural Computation, 2016, 28, 629-651.	2.2	0
20	Hacia un diagnÃ³stico mÃ¡s objetivo del TDAH: el papel de la Vergencia Ocular. Revista De PsiquiatrÃa Infanto-Juvenil, 2016, 33, 397-406.	0.3	2
21	Evidence for a role of corrective eye movements during gaze fixation in saccade planning. European Journal of Neuroscience, 2015, 41, 227-233.	2.6	2
22	Attention-Related Eye Vergence Measured in Children with Attention Deficit Hyperactivity Disorder. PLoS ONE, 2015, 10, e0145281.	2.5	28
23	A feed-forward spiking model of shape-coding by IT cells. Frontiers in Psychology, 2014, 5, 481.	2.1	2
24	Approximations to the time evolution of an Izhikevich neuron. International Journal of Modern Physics C, 2014, 25, 1450052.	1.7	2
25	Coding depth perception from image defocus. Vision Research, 2014, 105, 199-203.	1.4	1
26	Approximate Emergent Synchrony in Spatially Coupled Spiking Neurons with Discrete Interaction. Neural Computation, 2014, 26, 2419-2440.	2.2	2
27	Distinct Roles of the Cortical Layers of Area V1 in Figure-Ground Segregation. Current Biology, 2013, 23, 2121-2129.	3.9	184
28	The time course of estimating time-to-contact: Switching between sources of information. Vision Research, 2013, 92, 53-58.	1.4	9
29	Two stages of programming eye gaze shifts in 3-D space. Vision Research, 2013, 86, 15-26.	1.4	8
30	Onset Time of Binocular Rivalry and Duration of Inter-Dominance Periods as Psychophysical Markers of ADHD. Perception, 2013, 42, 16-27.	1.2	14
31	Difference in Visual Processing Assessed by Eye Vergence Movements. PLoS ONE, 2013, 8, e72041.	2.5	22
32	A Role of Eye Vergence in Covert Attention. PLoS ONE, 2013, 8, e52955.	2.5	37
33	Noise destroys feedback enhanced figure-ground segmentation but not feedforward figure-ground segmentation. Frontiers in Physiology, 2012, 3, 274.	2.8	3
34	Different glutamate receptors convey feedforward and recurrent processing in macaque V1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11031-11036.	7.1	140
35	Stimulus detection after interruption of the feedforward response in a backward masking paradigm. Cognitive Neurodynamics, 2012, 6, 459-466.	4.0	2
36	Masking of Figure-Ground Texture and Single Targets by Surround Inhibition: A Computational Spiking Model. PLoS ONE, 2012, 7, e31773.	2.5	5

#	Article	IF	Citations
37	Feedback Enhances Feedforward Figure-Ground Segmentation by Changing Firing Mode. PLoS ONE, 2011, 6, e21641.	2.5	17
38	Differential intrinsic bias of the 3-D perceptual environment and its role in shape constancy. Experimental Brain Research, 2011, 215, 35-43.	1.5	8
39	Rebound Spiking as a Neural Mechanism for Surface Filling-in. Journal of Cognitive Neuroscience, 2011, 23, 491-501.	2.3	10
40	Feed-Forward Segmentation of Figure-Ground and Assignment of Border-Ownership. PLoS ONE, 2010, 5, e10705.	2.5	34
41	Strength of Figure-Ground Activity in Monkey Primary Visual Cortex Predicts Saccadic Reaction Time in a Delayed Detection Task. Cerebral Cortex, 2007, 17, 1468-1475.	2.9	16
42	Altered figure-ground perception in monkeys with an extra-striate lesion. Neuropsychologia, 2007, 45, 3329-3334.	1.6	39
43	Figure-ground activity in V1 and guidance of saccadic eye movements. Journal of Physiology (Paris), 2006, 100, 63-69.	2.1	4
44	Synchrony Dynamics in Monkey V1 Predict Success in Visual Detection. Cerebral Cortex, 2006, 16, 136-148.	2.9	50
45	Neural responses in cat visual cortex reflect state changes in correlated activity. European Journal of Neuroscience, 2005, 22, 465-475.	2.6	11
46	Chronic multiunit recordings in behaving animals: advantages and limitations. Progress in Brain Research, 2005, 147, 263-282.	1.4	148
47	Effects of Attention on Figure-Ground Responses in the Primary Visual Cortex during Working Memory. , 2005, , 502-506.		0
48	Correspondence of presaccadic activity in the monkey primary visual cortex with saccadic eye movements. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3230-3235.	7.1	59
49	Figureâ€“ground activity in primary visual cortex (V1) of the monkey matches the speed of behavioral response. Neuroscience Letters, 2003, 344, 75-78.	2.1	24
50	Working Memory in the Primary Visual Cortex. Archives of Neurology, 2003, 60, 809.	4.5	18
51	Cortical evolution: No expansion without organization. Behavioral and Brain Sciences, 2003, 26, 570-571.	0.7	0
52	Internal State of Monkey Primary Visual Cortex (V1) Predicts Figureâ€“Ground Perception. Journal of Neuroscience, 2003, 23, 3407-3414.	3.6	138
53	Cognitive Processing in the Primary Visual Cortex: From Perception to Memory. Reviews in the Neurosciences, 2002, 13, 287-98.	2.9	12
54	Two distinct modes of sensory processing observed in monkey primary visual cortex (V1). Nature Neuroscience, 2001, 4, 304-310.	14.8	459

#	ARTICLE	IF	CITATIONS
55	The early development of thalamocortical and corticothalamic projections in the mouse. Anatomy and Embryology, 2000, 201, 169-179.	1.5	115
56	The role of primary visual cortex (V1) in visual awareness. Vision Research, 2000, 40, 1507-1521.	1.4	200
57	Feedforward, horizontal, and feedback processing in the visual cortex. Current Opinion in Neurobiology, 1998, 8, 529-535.	4.2	576
58	Involvement of Distinct Pioneer Neurons in the Formation of Layer-Specific Connections in the Hippocampus. Journal of Neuroscience, 1998, 18, 4616-4626.	3.6	171
59	Survival of Cajal-Retzius cells after cortical lesions in newborn mice: a possible role for Cajal-Retzius cells in brain repair. Developmental Brain Research, 1997, 98, 9-14.	1.7	27
60	Degeneration of Cajal-Retzius cells in the developing cerebral cortex of the mouse after ablation of meningeal cells by 6-hydroxydopamine. Developmental Brain Research, 1997, 98, 15-20.	1.7	49
61	Differential Survival of Cajalâ€“Retzius Cells in Organotypic Cultures of Hippocampus and Neocortex. Journal of Neuroscience, 1996, 16, 6896-6907.	3.6	126
62	Organization of the embryonic and early postnatal murine hippocampus. I. Immunocytochemical characterization of neuronal populations in the subplate and marginal zone. Journal of Comparative Neurology, 1994, 342, 571-595.	1.6	147
63	The organization of the embronic and early postnatal murine hippocampus. II. Development of entorhinal, commissural, and septal connections studied with the lipophilic tracer DiI. Journal of Comparative Neurology, 1994, 344, 101-120.	1.6	175
64	Spiking model of fixational eye movements and figure-ground segmentation. Network: Computation in Neural Systems, 0, , 1-24.	3.6	1