

Mircea A Schoenfeld

List of Publications by Year in descending order

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116
papers

4,514
citations

109264

35
h-index

118793

62
g-index

121
all docs

121
docs citations

121
times ranked

5105
citing authors

#	ARTICLE	IF	CITATIONS
1	Audiovisual Temporal Correspondence Modulates Human Multisensory Superior Temporal Sulcus Plus Primary Sensory Cortices. <i>Journal of Neuroscience</i> , 2007, 27, 11431-11441.	1.7	279
2	Delayed Striate Cortical Activation during Spatial Attention. <i>Neuron</i> , 2002, 35, 575-587.	3.8	247
3	Direct neurophysiological evidence for spatial suppression surrounding the focus of attention in vision. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1053-1058.	3.3	210
4	Attention to Features Precedes Attention to Locations in Visual Search: Evidence from Electromagnetic Brain Responses in Humans. <i>Journal of Neuroscience</i> , 2004, 24, 1822-1832.	1.7	195
5	Differentiation of idiopathic Parkinson's disease, multiple system atrophy, progressive supranuclear palsy, and healthy controls using magnetization transfer imaging. <i>NeuroImage</i> , 2004, 21, 229-235.	2.1	143
6	Functional magnetic resonance tomography correlates of taste perception in the human primary taste cortex. <i>Neuroscience</i> , 2004, 127, 347-353.	1.1	141
7	Rapid recurrent processing gates awareness in primary visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8742-8747.	3.3	133
8	Spatio-temporal Analysis of Feature-Based Attention. <i>Cerebral Cortex</i> , 2007, 17, 2468-2477.	1.6	130
9	Dynamics of feature binding during object-selective attention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11806-11811.	3.3	127
10	Functional motor compensation in amyotrophic lateral sclerosis. <i>Journal of Neurology</i> , 2005, 252, 944-952.	1.8	122
11	The Neural Site of Attention Matches the Spatial Scale of Perception. <i>Journal of Neuroscience</i> , 2006, 26, 3532-3540.	1.7	116
12	Basal ganglia pathology in ALS is associated with neuropsychological deficits. <i>Neurology</i> , 2015, 85, 1301-1309.	1.5	96
13	Object-based attention involves the sequential activation of feature-specific cortical modules. <i>Nature Neuroscience</i> , 2014, 17, 619-624.	7.1	82
14	Magneto- and electroencephalographic manifestations of reward anticipation and delivery. <i>NeuroImage</i> , 2012, 62, 17-29.	2.1	77
15	Task-Load-Dependent Activation of Dopaminergic Midbrain Areas in the Absence of Reward. <i>Journal of Neuroscience</i> , 2011, 31, 4955-4961.	1.7	75
16	Sensory MEG Responses Predict Successful and Failed Inhibition in a Stop-Signal Task. <i>Cerebral Cortex</i> , 2009, 19, 134-145.	1.6	73
17	Action Imagery Combined With Action Observation Activates More Corticomotor Regions Than Action Observation Alone. <i>Journal of Neurologic Physical Therapy</i> , 2012, 36, 182-188.	0.7	73
18	Analysis of pathways mediating preserved vision after striate cortex lesions. <i>Annals of Neurology</i> , 2002, 52, 814-824.	2.8	71

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19	Correlation of Hippocampal Glucose Oxidation Capacity and Interictal FDGâ€PET in Temporal Lobeâ€Epilepsy. <i>Epilepsia</i> , 2003, 44, 193-199.	2.6	69
20	Sonography of the median nerve in CMT1A, CMT2A, CMTX, and HNPP. <i>Muscle and Nerve</i> , 2013, 47, 385-395.	1.0	69
21	The Center-Surround Profile of the Focus of Attention Arises from Recurrent Processing in Visual Cortex. <i>Cerebral Cortex</i> , 2009, 19, 982-991.	1.6	66
22	Causal visual interactions as revealed by an information theoretic measure and fMRI. <i>NeuroImage</i> , 2006, 31, 1051-1060.	2.1	61
23	Temporal dynamics of reward processing revealed by magnetoencephalography. <i>Human Brain Mapping</i> , 2011, 32, 2228-2240.	1.9	61
24	Age-independent activation in areas of the mirror neuron system during action observation and action imagery. A fMRI study. <i>Restorative Neurology and Neuroscience</i> , 2010, 28, 737-747.	0.4	57
25	Neural basis of multisensory looming signals. <i>NeuroImage</i> , 2013, 65, 13-22.	2.1	57
26	Neural correlates of recognition memory with and without recollection in patients with Alzheimer's disease and healthy controls. <i>Neuroscience Letters</i> , 1999, 263, 45-48.	1.0	49
27	Memory deficits in amyotrophic lateral sclerosis are not exclusively caused by executive dysfunction: a comparative neuropsychological study of amnesic mild cognitive impairment. <i>BMC Neuroscience</i> , 2014, 15, 83.	0.8	49
28	The Rapid Capture of Attention by Rewarded Objects. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 529-541.	1.1	48
29	Neural Mechanisms of Surround Attenuation and Distractor Competition in Visual Search. <i>Journal of Neuroscience</i> , 2011, 31, 5213-5224.	1.7	45
30	Induction of cognitive fatigue in MS patients through cognitive and physical load. <i>Neuropsychological Rehabilitation</i> , 2013, 23, 182-201.	1.0	45
31	High-Field fMRI Reveals Brain Activation Patterns Underlying Saccade Execution in the Human Superior Colliculus. <i>PLoS ONE</i> , 2010, 5, e8691.	1.1	41
32	Neural Correlates of Hysterical Blindness. <i>Cerebral Cortex</i> , 2011, 21, 2394-2398.	1.6	41
33	The role of the pulvinar in distractor processing and visual search. <i>Human Brain Mapping</i> , 2013, 34, 1115-1132.	1.9	41
34	Form-From-Motion: MEG Evidence for Time Course and Processing Sequence. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 157-172.	1.1	40
35	Mandatory Processing of Irrelevant Fearful Face Features in Visual Search. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2926-2938.	1.1	38
36	Neural correlates of effort-dependent and effort-independent cognitive fatigue components in patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019, 25, 256-266.	1.4	36

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37	Amantadine Influences Cognitive Processing in Patients with Multiple Sclerosis. <i>Pharmacopsychiatry</i> , 2000, 33, 28-37.	1.7	35
38	Structural and functional hallmarks of amyotrophic lateral sclerosis progression in motor- and memory-related brain regions. <i>NeuroImage: Clinical</i> , 2014, 5, 277-290.	1.4	34
39	Widespread temporo-occipital lobe dysfunction in amyotrophic lateral sclerosis. <i>Scientific Reports</i> , 2017, 7, 40252.	1.6	34
40	Neural correlates of exemplar novelty processing under different spatial attention conditions. <i>Human Brain Mapping</i> , 2009, 30, 3759-3771.	1.9	33
41	Neural processing of reward magnitude under varying attentional demands. <i>Brain Research</i> , 2011, 1383, 218-229.	1.1	33
42	Brain1H magnetic resonance spectroscopic differences in myotonic dystrophy type 2 and type 1. <i>Muscle and Nerve</i> , 2006, 34, 145-152.	1.0	32
43	Inter- and intra-individual covariations of hemodynamic and oscillatory gamma responses in the human cortex. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 8.	1.0	32
44	The spatial profile of the focus of attention in visual search: Insights from MEG recordings. <i>Vision Research</i> , 2010, 50, 1312-1320.	0.7	32
45	Substantia Nigra Activity Level Predicts Trial-to-Trial Adjustments in Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 362-373.	1.1	31
46	Neural sources of visual working memory maintenance in human parietal and ventral extrastriate visual cortex. <i>NeuroImage</i> , 2015, 110, 78-86.	2.1	30
47	Attention to Color Sharpens Neural Population Tuning via Feedback Processing in the Human Visual Cortex Hierarchy. <i>Journal of Neuroscience</i> , 2017, 37, 10346-10357.	1.7	29
48	Functional networks of motor inhibition in conversion disorder patients and feigning subjects. <i>NeuroImage: Clinical</i> , 2016, 11, 719-727.	1.4	27
49	Hippocampal N-acetyl aspartate levels do not mirror neuronal cell densities in creatine-supplemented epileptic rats. <i>European Journal of Neuroscience</i> , 2003, 18, 2292-2300.	1.2	26
50	24-Months results in two adults with Pompe disease on enzyme replacement therapy. <i>Clinical Neurology and Neurosurgery</i> , 2011, 113, 350-357.	0.6	26
51	Reward- and Attention-related Biasing of Sensory Selection in Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1049-1065.	1.1	25
52	Cortical, subcortical and spinal neural correlates of slackline training-induced balance performance improvements. <i>NeuroImage</i> , 2019, 202, 116061.	2.1	25
53	The temporal flexibility of attentional selection in the visual cortex. <i>Current Opinion in Neurobiology</i> , 2005, 15, 183-187.	2.0	24
54	Object-based Selection of Irrelevant Features Is Not Confined to the Attended Object. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2231-2239.	1.1	24

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55	Neural correlates of visual motion processing without awareness in patients with striate cortex and pulvinar lesions. <i>Human Brain Mapping</i> , 2015, 36, 1585-1594.	1.9	24
56	Binding 3-D Object Perception in the Human Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 553-562.	1.1	23
57	The modulatory impact of reward and attention on global feature selection in human visual cortex. <i>Visual Cognition</i> , 2015, 23, 229-248.	0.9	23
58	Spatial elongation of population receptive field profiles revealed by model-free fMRI back-projection. <i>Human Brain Mapping</i> , 2018, 39, 2472-2481.	1.9	23
59	Cortical Mechanisms of Prioritizing Selection for Rejection in Visual Search. <i>Journal of Neuroscience</i> , 2018, 38, 4738-4748.	1.7	22
60	Neural mechanisms of spatial- and feature-based attention: A quantitative analysis. <i>Brain Research</i> , 2007, 1181, 51-60.	1.1	21
61	Tactile stimulation and hemispheric asymmetries modulate auditory perception and neural responses in primary auditory cortex. <i>NeuroImage</i> , 2013, 79, 371-382.	2.1	21
62	Neural correlates of multiple object tracking strategies. <i>NeuroImage</i> , 2015, 118, 63-73.	2.1	21
63	Popout modulates focal attention in the primary visual cortex. <i>NeuroImage</i> , 2004, 22, 574-582.	2.1	20
64	Separable Mechanisms Underlying Global Feature-Based Attention. <i>Journal of Neuroscience</i> , 2012, 32, 15284-15295.	1.7	20
65	Determinants of Global Color-Based Selection in Human Visual Cortex. <i>Cerebral Cortex</i> , 2015, 25, 2828-2841.	1.6	19
66	Global Hippocampal Volume Reductions and Local CA1 Shape Deformations in Amyotrophic Lateral Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 565.	1.1	19
67	Feature-based attention modulates direction-selective hemodynamic activity within human MT. <i>Human Brain Mapping</i> , 2011, 32, 2183-2192.	1.9	18
68	Catechol-O-Methyltransferase Polymorphism Influences Outcome After Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 491-496.	1.4	18
69	Spatio-temporal Patterns of Brain Activity Distinguish Strategies of Multiple-object Tracking. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 28-40.	1.1	18
70	Structural hallmarks of amyotrophic lateral sclerosis progression revealed by probabilistic fiber tractography. <i>Journal of Neurology</i> , 2015, 262, 2257-2270.	1.8	18
71	Different spatial organizations of saccade related BOLD-activation in parietal and striate cortex. <i>Brain Research</i> , 2008, 1233, 89-97.	1.1	17
72	The Saccadic Re-Centering Bias is Associated with Activity Changes in the Human Superior Colliculus. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 193.	1.0	17

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73	Distinct Representations of Attentional Control During Voluntary and Stimulus-Driven Shifts Across Objects and Locations. <i>Cerebral Cortex</i> , 2013, 23, 1351-1361.	1.6	16
74	Attention to somatosensory events is directly linked to the preparation for action. <i>Journal of the Neurological Sciences</i> , 2009, 279, 93-98.	0.3	15
75	Electrophysiological recordings in humans reveal reduced location-specific attentional-shift activity prior to recentering saccades. <i>Journal of Neurophysiology</i> , 2012, 107, 1393-1402.	0.9	15
76	Assessment of mental chronometry (MC) in healthy subjects. <i>Archives of Gerontology and Geriatrics</i> , 2014, 58, 226-230.	1.4	15
77	Mental chronometry and mental rotation abilities in stroke patients with different degrees of sensory deficit. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 907-914.	0.4	15
78	Enhanced spatial focusing increases feature-based selection in unattended locations. <i>Scientific Reports</i> , 2018, 8, 16132.	1.6	15
79	An electrophysiological dissociation of craving and stimulus-dependent attentional capture in smokers. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 1114-1126.	1.0	14
80	Spatio-temporal dynamics of attentional selection stages during multiple object tracking. <i>NeuroImage</i> , 2017, 146, 484-491.	2.1	13
81	Longitudinal clinical and neuroanatomical correlates of memory impairment in motor neuron disease. <i>NeuroImage: Clinical</i> , 2021, 29, 102545.	1.4	13
82	“Virus and Epidemic” Causal Knowledge Activates Prediction Error Circuitry. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2151-2163.	1.1	11
83	Somatosensory Misrepresentation Associated with Chronic Pain: Spatiotemporal Correlates of Sensory Perception in a Patient following a Complex Regional Pain Syndrome Spread. <i>Frontiers in Neurology</i> , 2017, 8, 142.	1.1	11
84	Modulating the global orientation bias of the visual system changes population receptive field elongations. <i>Human Brain Mapping</i> , 2020, 41, 1765-1774.	1.9	11
85	On perceived synchrony” neural dynamics of audiovisual illusions and suppressions. <i>Brain Research</i> , 2008, 1220, 132-141.	1.1	10
86	Neural correlates of somatosensory processing in patients with neglect. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 253-263.	0.4	10
87	Spatiotemporal Dynamics of Feature-Based Attention Spread: Evidence from Combined Electroencephalographic and Magnetoencephalographic Recordings. <i>Journal of Neuroscience</i> , 2012, 32, 9671-9676.	1.7	10
88	Reward-associated features capture attention in the absence of awareness: Evidence from object-substitution masking. <i>NeuroImage</i> , 2016, 137, 116-123.	2.1	10
89	Distinct neural correlates of attending speed vs. coherence of motion. <i>NeuroImage</i> , 2013, 64, 299-307.	2.1	9
90	Impact of left versus right hemisphere subcortical stroke on the neural processing of action observation and imagery. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 701-712.	0.4	8

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91	Perimovement decrease of alpha/beta oscillations in the human nucleus accumbens. <i>Journal of Neurophysiology</i> , 2016, 116, 1663-1672.	0.9	8
92	Deep Brain Stimulation of the Pedunculopontine Tegmental Nucleus (PPN) Influences Visual Contrast Sensitivity in Human Observers. <i>PLoS ONE</i> , 2016, 11, e0155206.	1.1	8
93	EEG measures of brain activity reveal that smoking-related images capture the attention of smokers outside of awareness. <i>Neuropsychologia</i> , 2018, 111, 324-333.	0.7	7
94	Parallel fast and slow recurrent cortical processing mediates target and distractor selection in visual search. <i>Communications Biology</i> , 2020, 3, 689.	2.0	7
95	Increased Amygdala Activity Associated With Cognitive Reappraisal Strategy in Functional Neurologic Disorder. <i>Frontiers in Psychiatry</i> , 2021, 12, 613156.	1.3	7
96	The attentional selection in visual search within short-term memory representations. <i>Frontiers in Neuroscience</i> , 2010, 4, 5.	1.4	6
97	Neural correlates of training-induced improvements of calculation skills in patients with brain lesions. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 463-472.	0.4	6
98	Active prosthesis dependent functional cortical reorganization following stroke. <i>Scientific Reports</i> , 2017, 7, 8680.	1.6	5
99	Dissociating Reward- and Attention-driven Biasing of Global Feature-based Selection in Human Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 469-481.	1.1	5
100	Electroencephalography reveals a selective disruption of cognitive control processes in craving cigarette smokers. <i>European Journal of Neuroscience</i> , 2020, 51, 1087-1105.	1.2	5
101	Memory-Efficient Analysis of Dense Functional Connectomes. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 50.	1.3	4
102	Effects of a single mental chronometry training session in subacute stroke patients – a randomized controlled trial. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020, 12, 66.	0.7	4
103	A direct neural measure of variable precision representations in visual working memory. <i>Journal of Neurophysiology</i> , 2021, 126, 1430-1439.	0.9	4
104	Extracting duration information in a picture category decoding task using hidden Markov Models. <i>Journal of Neural Engineering</i> , 2016, 13, 026010.	1.8	3
105	An electrophysiological marker of the desire to quit in smokers. <i>European Journal of Neuroscience</i> , 2016, 44, 2735-2741.	1.2	3
106	Functional dissociation of multiple-object tracking mechanisms based on hemispheric asymmetries. <i>Restorative Neurology and Neuroscience</i> , 2021, 38, 443-453.	0.4	3
107	A simple metric to study the mechanisms generating event-related potentials. <i>Journal of Neuroscience Methods</i> , 2021, 360, 109230.	1.3	3
108	Clinical criteria for the switch of treatment strategies in Parkinson's disease. <i>Clinical Neurology and Neurosurgery</i> , 2003, 105, 241-244.	0.6	2

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109	Attention expedites target selection by prioritizing the neural processing of distractor features. <i>Communications Biology</i> , 2021, 4, 814.	2.0	2
110	Brain activity is contingent on neuropsychological function in a functional magnetic resonance imaging study of verbal working memory in amyotrophic lateral sclerosis. <i>European Journal of Neurology</i> , 2021, 28, 3051-3060.	1.7	2
111	How to Perceive Object Permanence in Our Visual Environment: The Multiple Object Tracking Paradigm. <i>Neuromethods</i> , 2019, , 157-176.	0.2	1
112	Ipsilateral premotor activity in ALS. <i>Journal of Neurology</i> , 2006, 253, 386-387.	1.8	0
113	Vision: Attention Makes the Cup Flow Over. <i>Current Biology</i> , 2008, 18, R713-R715.	1.8	0
114	A neural hallmark of auditory implicit learning is altered in older adults. <i>PLoS ONE</i> , 2019, 14, e0211468.	1.1	0
115	Feature- and Object-Based Attention. , 2014, , 107-122.		0
116	Electrophysiological hallmarks of location-based and object-based visual multiple objects tracking. <i>European Journal of Neuroscience</i> , 2022, 55, 1200-1214.	1.2	0