

Sophie Schwartz

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

6,775
citations

81900

39
h-index

64796

79
g-index

104
all docs

104
docs citations

104
times ranked

7135
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroanatomy of hemispatial neglect and its functional components: a study using voxel-based lesion-symptom mapping. <i>Brain</i> , 2010, 133, 880-894.	7.6	438
2	The voices of wrath: brain responses to angry prosody in meaningless speech. <i>Nature Neuroscience</i> , 2005, 8, 145-146.	14.8	384
3	Neural correlates of perceptual learning: A functional MRI study of visual texture discrimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 17137-17142.	7.1	377
4	Emotion and attention interactions in social cognition: Brain regions involved in processing anger prosody. <i>NeuroImage</i> , 2005, 28, 848-858.	4.2	350
5	Attentional Load and Sensory Competition in Human Vision: Modulation of fMRI Responses by Load at Fixation during Task-irrelevant Stimulation in the Peripheral Visual Field. <i>Cerebral Cortex</i> , 2005, 15, 770-786.	2.9	332
6	Decoding brain states from fMRI connectivity graphs. <i>NeuroImage</i> , 2011, 56, 616-626.	4.2	263
7	White-Matter Connectivity between Face-Responsive Regions in the Human Brain. <i>Cerebral Cortex</i> , 2012, 22, 1564-1576.	2.9	243
8	Top-down effects on early visual processing in humans: A predictive coding framework. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1237-1253.	6.1	223
9	Sleep imaging and the neuro-psychological assessment of dreams. <i>Trends in Cognitive Sciences</i> , 2002, 6, 23-30.	7.8	218
10	Sleep-Related Consolidation of a Visuomotor Skill: Brain Mechanisms as Assessed by Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2003, 23, 1432-1440.	3.6	210
11	The roles of the reward system in sleep and dreaming. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 1934-1951.	6.1	195
12	Beware and be aware: Capture of spatial attention by fear-related stimuli in neglect. <i>NeuroReport</i> , 2001, 12, 1119-1122.	1.2	161
13	Abnormal activity in hypothalamus and amygdala during humour processing in human narcolepsy with cataplexy. <i>Brain</i> , 2008, 131, 514-522.	7.6	149
14	Simultaneous recording of EEG and facial muscle reactions during spontaneous emotional mimicry. <i>Neuropsychologia</i> , 2008, 46, 1104-1113.	1.6	148
15	View-independent coding of face identity in frontal and temporal cortices is modulated by familiarity: an event-related fMRI study. <i>NeuroImage</i> , 2005, 24, 1214-1224.	4.2	133
16	Effects of perceptual learning on primary visual cortex activity in humans. <i>Vision Research</i> , 2008, 48, 55-62.	1.4	129
17	Cognitive and emotional processes during dreaming: A neuroimaging view. <i>Consciousness and Cognition</i> , 2011, 20, 998-1008.	1.5	127
18	Abnormal Neural Filtering of Irrelevant Visual Information in Depression. <i>Journal of Neuroscience</i> , 2009, 29, 1395-1403.	3.6	126

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19	Influence of reward motivation on human declarative memory. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 61, 156-176.	6.1	126
20	Impact of transient emotions on functional connectivity during subsequent resting state: A wavelet correlation approach. <i>NeuroImage</i> , 2011, 54, 2481-2491.	4.2	124
21	The Neural Substrates and Timing of Top-Down Processes during Coarse-to-Fine Categorization of Visual Scenes: A Combined fMRI and ERP Study. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2768-2780.	2.3	123
22	Attentional load modifies early activity in human primary visual cortex. <i>Human Brain Mapping</i> , 2009, 30, 1723-1733.	3.6	116
23	Portraits or People? Distinct Representations of Face Identity in the Human Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 1043-1057.	2.3	114
24	Abnormal activity in reward brain circuits in human narcolepsy with cataplexy. <i>Annals of Neurology</i> , 2010, 67, 190-200.	5.3	105
25	Disrupted Sleep: From Molecules to Cognition. <i>Journal of Neuroscience</i> , 2015, 35, 13889-13895.	3.6	91
26	Whole-Night Continuous Rocking Entrain Spontaneous Neural Oscillations with Benefits for Sleep and Memory. <i>Current Biology</i> , 2019, 29, 402-411.e3.	3.9	78
27	Reduced amygdala activity during aversive conditioning in human narcolepsy. <i>Annals of Neurology</i> , 2010, 67, 394-398.	5.3	72
28	Dreaming without REM sleep. <i>Consciousness and Cognition</i> , 2012, 21, 1129-1140.	1.5	69
29	Are life episodes replayed during dreaming?. <i>Trends in Cognitive Sciences</i> , 2003, 7, 325-327.	7.8	67
30	Differential Effects of Sodium Oxybate and Baclofen on EEG, Sleep, Neurobehavioral Performance, and Memory. <i>Sleep</i> , 2012, 35, 1071-1084.	1.1	59
31	Rocking Promotes Sleep in Mice through Rhythmic Stimulation of the Vestibular System. <i>Current Biology</i> , 2019, 29, 392-401.e4.	3.9	57
32	Reducing the use of screen electronic devices in the evening is associated with improved sleep and daytime vigilance in adolescents. <i>Sleep</i> , 2019, 42, .	1.1	57
33	Sleep and dreaming are for important matters. <i>Frontiers in Psychology</i> , 2013, 4, 474.	2.1	56
34	Object Representations for Multiple Visual Categories Overlap in Lateral Occipital and Medial Fusiform Cortex. <i>Cerebral Cortex</i> , 2009, 19, 1806-1819.	2.9	55
35	Hemispheric specialization of human inferior temporal cortex during coarse-to-fine and fine-to-coarse analysis of natural visual scenes. <i>NeuroImage</i> , 2005, 28, 464-473.	4.2	49
36	A nap to recap or how reward regulates hippocampal-prefrontal memory networks during daytime sleep in humans. <i>ELife</i> , 2015, 4, .	6.0	49

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37	Abnormal Hypothalamic Response to Light in Seasonal Affective Disorder. <i>Biological Psychiatry</i> , 2011, 70, 954-961.	1.3	48
38	Generating value(s): Psychological value hierarchies reflect context-dependent sensitivity of the reward system. <i>Social Neuroscience</i> , 2011, 6, 198-208.	1.3	47
39	Evidence for the Re-Enactment of a Recently Learned Behavior during Sleepwalking. <i>PLoS ONE</i> , 2011, 6, e18056.	2.5	45
40	Effects of attentional load on early visual processing depend on stimulus timing. <i>Human Brain Mapping</i> , 2012, 33, 63-74.	3.6	43
41	Hemispheric Asymmetries in Striatal Reward Responses Relate to Approach and Avoidance Learning and Encoding of Positive and Negative Prediction Errors in Dopaminergic Midbrain Regions. <i>Journal of Neuroscience</i> , 2015, 35, 14491-14500.	3.6	38
42	Increased heartbeat-evoked potential during REM sleep in nightmare disorder. <i>NeuroImage: Clinical</i> , 2019, 22, 101701.	2.7	38
43	Increased Reactivity of the Mesolimbic Reward System after Ketamine Injection in Patients with Treatment-resistant Major Depressive Disorder. <i>Anesthesiology</i> , 2019, 130, 923-935.	2.5	36
44	Reward biases spontaneous neural reactivation during sleep. <i>Nature Communications</i> , 2021, 12, 4162.	12.8	36
45	Interactions Between Large-Scale Functional Brain Networks are Captured by Sparse Coupled HMMs. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 230-240.	8.9	32
46	Efficacy and Safety of a Rapid Intravenous Injection of Ketamine 0.5 mg/kg in Treatment-Resistant Major Depression. <i>Journal of Clinical Psychopharmacology</i> , 2018, 38, 590-597.	1.4	32
47	Gambling against neglect: Unconscious spatial biases induced by reward reinforcement in healthy people and brain-damaged patients. <i>Cortex</i> , 2013, 49, 2616-2627.	2.4	31
48	The importance of actions and the worth of an object: dissociable neural systems representing core value and economic value. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 497-505.	3.0	30
49	Fear in dreams and in wakefulness: Evidence for day/night affective homeostasis. <i>Human Brain Mapping</i> , 2020, 41, 840-850.	3.6	30
50	Lasting Impact of Regret and Gratification on Resting Brain Activity and Its Relation to Depressive Traits. <i>Journal of Neuroscience</i> , 2014, 34, 7825-7835.	3.6	29
51	Embodied emotion impairment in Huntington's Disease. <i>Cortex</i> , 2017, 92, 44-56.	2.4	28
52	Effect of cerebral vasomotion during physical exercise on associative memory, a near-infrared spectroscopy study. <i>Neurophotonics</i> , 2017, 4, 041404.	3.3	26
53	A historical loop of one hundred years: Similarities between 19th century and contemporary dream research.. <i>Dreaming</i> , 2000, 10, 55-66.	0.5	25
54	Top-Down Activation of Fusiform Cortex without Seeing Faces in Prosopagnosia. <i>Cerebral Cortex</i> , 2010, 20, 1878-1890.	2.9	24

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55	Illusory persistence of touch after right parietal damage: neural correlates of tactile awareness. <i>Brain</i> , 2004, 128, 277-290.	7.6	23
56	Motion direction tuning in human visual cortex. <i>European Journal of Neuroscience</i> , 2009, 29, 424-434.	2.6	23
57	Strange-Face-in-the-Mirror Illusion and Schizotypy During Adolescence. <i>Schizophrenia Bulletin</i> , 2015, 41, S475-S482.	4.3	23
58	What Dreaming can Reveal about Cognitive and Brain Functions During Sleep? A Lexico-Statistical Analysis of Dream Reports. <i>Psychologica Belgica</i> , 2020, 44, 5.	1.9	22
59	Sleep and Emotional Functions. <i>Current Topics in Behavioral Neurosciences</i> , 2013, 25, 411-431.	1.7	21
60	Humor as a Reward Mechanism: Event-Related Potentials in the Healthy and Diseased Brain. <i>PLoS ONE</i> , 2014, 9, e85978.	2.5	20
61	Cortical morphometry in narcolepsy with cataplexy. <i>Journal of Sleep Research</i> , 2012, 21, 487-494.	3.2	18
62	How the brain predicts people's behavior in relation to rules and desires. Evidence of a medio-prefrontal dissociation. <i>Cortex</i> , 2015, 70, 21-34.	2.4	18
63	Interplay between midbrain and dorsal anterior cingulate regions arbitrates lingering reward effects on memory encoding. <i>Nature Communications</i> , 2020, 11, 1829.	12.8	17
64	Sleep sharpens sensory stimulus coding in human visual cortex after fear conditioning. <i>NeuroImage</i> , 2014, 100, 608-618.	4.2	16
65	The "Creative Right Brain" Revisited: Individual Creativity and Associative Priming in the Right Hemisphere Relate to Hemispheric Asymmetries in Reward Brain Function. <i>Cerebral Cortex</i> , 2017, 27, 4946-4959.	2.9	16
66	Confidence of emotion expression recognition recruits brain regions outside the face perception network. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 81-95.	3.0	16
67	A single session of moderate intensity exercise influences memory, endocannabinoids and brain derived neurotrophic factor levels in men. <i>Scientific Reports</i> , 2021, 11, 14371.	3.3	16
68	Neural responses to emotional expression information in high- and low-spatial frequency in autism: evidence for a cortical dysfunction. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 189.	2.0	15
69	Increased Reward-Related Behaviors during Sleep and Wakefulness in Sleepwalking and Idiopathic Nightmares. <i>PLoS ONE</i> , 2015, 10, e0134504.	2.5	15
70	Sleep does not facilitate insight in older adults. <i>Neurobiology of Learning and Memory</i> , 2017, 140, 106-113.	1.9	15
71	Effect of acute physical exercise on motor sequence memory. <i>Scientific Reports</i> , 2020, 10, 15322.	3.3	15
72	Resting-State Networks of Adolescents Experiencing Depersonalization-Like Illusions: Cross-sectional and Longitudinal Findings. <i>Schizophrenia Bulletin</i> , 2018, 44, S501-S511.	4.3	14

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73	The left hemisphere learns what is right: Hemispatial reward learning depends on reinforcement learning processes in the contralateral hemisphere. <i>Neuropsychologia</i> , 2016, 89, 1-13.	1.6	13
74	Physical pain recruits the nucleus accumbens during social distress in borderline personality disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 1071-1080.	3.0	13
75	Linking Individual Learning Styles to Approach-Avoidance Motivational Traits and Computational Aspects of Reinforcement Learning. <i>PLoS ONE</i> , 2016, 11, e0166675.	2.5	13
76	Active Reward Processing during Human Sleep: Insights from Sleep-Related Eating Disorder. <i>Frontiers in Neurology</i> , 2012, 3, 168.	2.4	12
77	Motor imagery practice benefits during arm immobilization. <i>Scientific Reports</i> , 2021, 11, 8928.	3.3	12
78	Voluntary attention reliably influences visual processing at the level of the C1 component: A commentary on Fu, Fedota, Greenwood, and Parasuram (2010). <i>Biological Psychology</i> , 2012, 91, 325-327.	2.2	10
79	Sleep deprivation disrupts the contribution of the hippocampus to the formation of novel lexical associations. <i>Brain and Language</i> , 2017, 167, 61-71.	1.6	9
80	Trial-by-Trial Modulation of Associative Memory Formation by Reward Prediction Error and Reward Anticipation as Revealed by a Biologically Plausible Computational Model. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 56.	2.0	8
81	The Roles of Dopamine and Hypocretin in Reward: A Electroencephalographic Study. <i>PLoS ONE</i> , 2015, 10, e0142432.	2.5	8
82	Effects of Pro-Cholinergic Treatment in Patients Suffering from Spatial Neglect. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 574.	2.0	7
83	Ability to Maintain Internal Arousal and Motivation Modulates Brain Responses to Emotions. <i>PLoS ONE</i> , 2014, 9, e112999.	2.5	7
84	Atypical processing of social anticipation and feedback in borderline personality disorder. <i>NeuroImage: Clinical</i> , 2020, 25, 102126.	2.7	7
85	Dorsal and ventral stream contributions to form-from-motion perception in a patient with form-from-motion deficit: a case report. <i>Brain Structure and Function</i> , 2017, 222, 1093-1107.	2.3	6
86	Motor Imagery Training During Arm Immobilization Prevents Corticomotor Idling: An EEG Resting-State Analysis. <i>Brain Topography</i> , 2020, 33, 327-335.	1.8	5
87	Life Goes on in Dreams. <i>Sleep</i> , 2010, 33, 15-16.	1.1	3
88	Reward-enhanced encoding improves relearning of forgotten associations. <i>Scientific Reports</i> , 2018, 8, 8557.	3.3	3
89	Prior Reward Conditioning Dampens Hippocampal and Striatal Responses during an Associative Memory Task. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 402-421.	2.3	3
90	Brain reactivity to emotion persists in NREM sleep and is associated with individual dream recall. <i>Cerebral Cortex Communications</i> , 2022, 3, tgac003.	1.6	3

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91	REM sleep and emotion regulation. , 2011, , 427-436.		2
92	Dissociating learning-induced changes in fMRI signal from structural modifications: A comment on Dorjee and Bowers (2012). Cortex, 2012, 48, 515-516.	2.4	2
93	Complementarity of dream research and neuroimaging of sleep. , 0, , 121-128.		2
94	Functional neuroimaging of narcolepsy. , 0, , 223-227.		2
95	Neurocomputational correlates of learned irrelevance in humans. NeuroImage, 2020, 213, 116719.	4.2	2
96	Don't count your chickens before they're hatched: Elaborative encoding in REM dreaming in face of the physiology of sleep stages. Behavioral and Brain Sciences, 2013, 36, 613-614.	0.7	0
97	Dreaming, Neural Basis of. , 2015, , 650-656.		0
98	Neuroimaging in Normal and Abnormal Sleep. , 2017, , 353-390.		0
99	Emotion, Motivation, and Reward in Relation to Dreaming. , 2017, , 567-570.e4.		0
100	Emotional Processing in Narcolepsy. , 2011, , 261-270.		0