Sophie Schwartz

List of Publications by Year
in descending order

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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	Brain reactivity to emotion persists in NREM sleep and is associated with individual dream recall. Cerebral Cortex Communications, 2022, 3, tgac003.	1.6	3
2	Prior Reward Conditioning Dampens Hippocampal and Striatal Responses during an Associative Memory Task. Journal of Cognitive Neuroscience, 2021, 33, 402-421.	2.3	3
3	Motor imagery practice benefits during arm immobilization. Scientific Reports, 2021, 11, 8928.	3.3	12
4	A single session of moderate intensity exercise influences memory, endocannabinoids and brain derived neurotrophic factor levels in men. Scientific Reports, 2021, 11, 14371.	3.3	16
5	Reward biases spontaneous neural reactivation during sleep. Nature Communications, 2021, 12, 4162.	12.8	36
6	Fear in dreams and in wakefulness: Evidence for day/night affective homeostasis. Human Brain Mapping, 2020, 41, 840-850.	3.6	30
7	Atypical processing of social anticipation and feedback in borderline personality disorder. NeuroImage: Clinical, 2020, 25, 102126.	2.7	7
8	Effect of acute physical exercise on motor sequence memory. Scientific Reports, 2020, 10, 15322.	3.3	15
9	Neurocomputational correlates of learned irrelevance in humans. NeuroImage, 2020, 213, 116719.	4.2	2
10	Motor Imagery Training During Arm Immobilization Prevents Corticomotor Idling: An EEG Resting-State Analysis. Brain Topography, 2020, 33, 327-335.	1.8	5
11	Interplay between midbrain and dorsal anterior cingulate regions arbitrates lingering reward effects on memory encoding. Nature Communications, 2020, 11, 1829.	12.8	17
12	What Dreaming can Reveal about Cognitive and Brain Functions During Sleep? A Lexico-Statistical Analysis of Dream Reports. Psychologica Belgica, 2020, 44, 5.	1.9	22
13	Rocking Promotes Sleep in Mice through Rhythmic Stimulation of the Vestibular System. Current Biology, 2019, 29, 392-401.e4.	3.9	57
14	Whole-Night Continuous Rocking Entrains Spontaneous Neural Oscillations with Benefits for Sleep and Memory. Current Biology, 2019, 29, 402-411.e3.	3.9	78
15	Increased heartbeat-evoked potential during REM sleep in nightmare disorder. NeuroImage: Clinical, 2019, 22, 101701.	2.7	38
16	Reducing the use of screen electronic devices in the evening is associated with improved sleep and daytime vigilance in adolescents. Sleep, 2019, 42, .	1.1	57
17	Increased Reactivity of the Mesolimbic Reward System after Ketamine Injection in Patients with Treatment-resistant Major Depressive Disorder. Anesthesiology, 2019, 130, 923-935.	2.5	36
18	Confidence of emotion expression recognition recruits brain regions outside the face perception network. Social Cognitive and Affective Neuroscience, 2019, 14, 81-95.	3.0	16

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19	Interactions Between Large-Scale Functional Brain Networks are Captured by Sparse Coupled HMMs. IEEE Transactions on Medical Imaging, 2018, 37, 230-240.	8.9	32
20	Resting-State Networks of Adolescents Experiencing Depersonalization-Like Illusions: Cross-sectional and Longitudinal Findings. Schizophrenia Bulletin, 2018, 44, S501-S511.	4.3	14
21	Efficacy and Safety of a Rapid Intravenous Injection of Ketamine 0.5 mg/kg in Treatment-Resistant Major Depression. Journal of Clinical Psychopharmacology, 2018, 38, 590-597.	1.4	32
22	Physical pain recruits the nucleus accumbens during social distress in borderline personality disorder. Social Cognitive and Affective Neuroscience, 2018, 13, 1071-1080.	3.0	13
23	Reward-enhanced encoding improves relearning of forgotten associations. Scientific Reports, 2018, 8, 8557.	3.3	3
24	The â€œCreative Right Brainâ€•Revisited: Individual Creativity and Associative Priming in the Right Hemisphere Relate to Hemispheric Asymmetries in Reward Brain Function. Cerebral Cortex, 2017, 27, 4946-4959.	2.9	16
25	Dorsal and ventral stream contributions to form-from-motion perception in a patient with form-from motion deficit: a case report. Brain Structure and Function, 2017, 222, 1093-1107.	2.3	6
26	Sleep deprivation disrupts the contribution of the hippocampus to the formation of novel lexical associations. Brain and Language, 2017, 167, 61-71.	1.6	9
27	Sleep does not facilitate insight in older adults. Neurobiology of Learning and Memory, 2017, 140, 106-113.	1.9	15
28	Neuroimaging in Normal and Abnormal Sleep. , 2017, , 353-390.		0
29	Embodied emotion impairment in Huntington's Disease. Cortex, 2017, 92, 44-56.	2.4	28
30	Effect of cerebral vasomotion during physical exercise on associative memory, a near-infrared spectroscopy study. Neurophotonics, 2017, 4, 041404.	3.3	26
31	Emotion, Motivation, and Reward in Relation to Dreaming. , 2017, , 567-570.e4.		0
32	Trial-by-Trial Modulation of Associative Memory Formation by Reward Prediction Error and Reward Anticipation as Revealed by a Biologically Plausible Computational Model. Frontiers in Human Neuroscience, 2017, 11, 56.	2.0	8
33	The left hemisphere learns what is right: Hemispatial reward learning depends on reinforcement learning processes in the contralateral hemisphere. Neuropsychologia, 2016, 89, 1-13.	1.6	13
34	Influence of reward motivation on human declarative memory. Neuroscience and Biobehavioral Reviews, 2016, 61, 156-176.	6.1	126
35	Linking Individual Learning Styles to Approach-Avoidance Motivational Traits and Computational Aspects of Reinforcement Learning. PLoS ONE, 2016, 11, e0166675.	2.5	13
36	Increased Reward-Related Behaviors during Sleep and Wakefulness in Sleepwalking and Idiopathic Nightmares. PLoS ONE, 2015, 10, e0134504.	2.5	15

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37	Dreaming, Neural Basis of. , 2015, , 650-656.		0
38	Strange-Face-in-the-Mirror Illusion and Schizotypy During Adolescence. Schizophrenia Bulletin, 2015, 41, S475-S482.	4.3	23
39	Hemispheric Asymmetries in Striatal Reward Responses Relate to Approachâ€“Avoidance Learning and Encoding of Positiveâ€“Negative Prediction Errors in Dopaminergic Midbrain Regions. Journal of Neuroscience, 2015, 35, 14491-14500.	3.6	38
40	Disrupted Sleep: From Molecules to Cognition. Journal of Neuroscience, 2015, 35, 13889-13895.	3.6	91
41	How the brain predicts people's behavior in relation to rules and desires. Evidence of a medio-prefrontal dissociation. Cortex, 2015, 70, 21-34.	2.4	18
42	The Roles of Dopamine and Hypocretin in Reward: A Electroencephalographic Study. PLoS ONE, 2015, 10, e0142432.	2.5	8
43	A nap to recap or how reward regulates hippocampal-prefrontal memory networks during daytime sleep in humans. ELife, 2015, 4, .	6.0	49
44	Humor as a Reward Mechanism: Event-Related Potentials in the Healthy and Diseased Brain. PLoS ONE, 2014, 9, e85978.	2.5	20
45	Ability to Maintain Internal Arousal and Motivation Modulates Brain Responses to Emotions. PLoS ONE, 2014, 9, e112999.	2.5	7
46	Neural responses to emotional expression information in high- and low-spatial frequency in autism: evidence for a cortical dysfunction. Frontiers in Human Neuroscience, 2014, 8, 189.	2.0	15
47	Lasting Impact of Regret and Gratification on Resting Brain Activity and Its Relation to Depressive Traits. Journal of Neuroscience, 2014, 34, 7825-7835.	3.6	29
48	Sleep sharpens sensory stimulus coding in human visual cortex after fear conditioning. NeuroImage, 2014, 100, 608-618.	4.2	16
49	Gambling against neglect: Unconscious spatial biases inducedÂby reward reinforcement in healthy people andÂbrain-damaged patients. Cortex, 2013, 49, 2616-2627.	2.4	31
50	Sleep and Emotional Functions. Current Topics in Behavioral Neurosciences, 2013, 25, 411-431.	1.7	21
51	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
52	Sleep and dreaming are for important matters. Frontiers in Psychology, 2013, 4, 474.	2.1	56
53	Effects of Pro-Cholinergic Treatment in Patients Suffering from Spatial Neglect. Frontiers in Human Neuroscience, 2013, 7, 574.	2.0	7
54	The importance of actions and the worth of an object: dissociable neural systems representing core value and economic value. Social Cognitive and Affective Neuroscience, 2012, 7, 497-505.	3.0	30

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55	White-Matter Connectivity between Face-Responsive Regions in the Human Brain. Cerebral Cortex, 2012, 22, 1564-1576.	2.9	243
56	Active Reward Processing during Human Sleep: Insights from Sleep-Related Eating Disorder. Frontiers in Neurology, 2012, 3, 168.	2.4	12
57	The roles of the reward system in sleep and dreaming. Neuroscience and Biobehavioral Reviews, 2012, 36, 1934-1951.	6.1	195
58	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
59	Voluntary attention reliably influences visual processing at the level of the C1 component: A commentary on Fu, Fedota, Greenwood, and Parasuram (2010). Biological Psychology, 2012, 91, 325-327.	2.2	10
60	Dreaming without REM sleep. Consciousness and Cognition, 2012, 21, 1129-1140.	1.5	69
61	Differential Effects of Sodium Oxybate and Baclofen on EEG, Sleep, Neurobehavioral Performance, and Memory. Sleep, 2012, 35, 1071-1084.	1.1	59
62	Cortical morphometry in narcolepsy with cataplexy. Journal of Sleep Research, 2012, 21, 487-494.	3.2	18
63	Effects of attentional load on early visual processing depend on stimulus timing. Human Brain Mapping, 2012, 33, 63-74.	3.6	43
64	Abnormal Hypothalamic Response to Light in Seasonal Affective Disorder. Biological Psychiatry, 2011, 70, 954-961.	1.3	48
65	Generating value(s): Psychological value hierarchies reflect context-dependent sensitivity of the reward system. Social Neuroscience, 2011, 6, 198-208.	1.3	47
66	Decoding brain states from fMRI connectivity graphs. NeuroImage, 2011, 56, 616-626.	4.2	263
67	Impact of transient emotions on functional connectivity during subsequent resting state: A wavelet correlation approach. NeuroImage, 2011, 54, 2481-2491.	4.2	124
68	Cognitive and emotional processes during dreaming: A neuroimaging view. Consciousness and Cognition, 2011, 20, 998-1008.	1.5	127
69	REM sleep and emotion regulation. , 2011, , 427-436.		2
70	Evidence for the Re-Enactment of a Recently Learned Behavior during Sleepwalking. PLoS ONE, 2011, 6, e18056.	2.5	45
71	Top-down effects on early visual processing in humans: A predictive coding framework. Neuroscience and Biobehavioral Reviews, 2011, 35, 1237-1253.	6.1	223
72	Emotional Processing in Narcolepsy. , 2011, , 261-270.		0

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73	Reduced amygdala activity during aversive conditioning in human narcolepsy. Annals of Neurology, 2010, 67, 394-398.	5.3	72
74	Abnormal activity in reward brain circuits in human narcolepsy with cataplexy. Annals of Neurology, 2010, 67, 190-200.	5.3	105
75	Life Goes on in Dreams. Sleep, 2010, 33, 15-16.	1.1	3
76	Top-Down Activation of Fusiform Cortex without Seeing Faces in Prosopagnosia. Cerebral Cortex, 2010, 20, 1878-1890.	2.9	24
77	Neuroanatomy of hemispatial neglect and its functional components: a study using voxel-based lesion-symptom mapping. Brain, 2010, 133, 880-894.	7.6	438
78	The Neural Substrates and Timing of Topâ€“Down Processes during Coarse-to-Fine Categorization of Visual Scenes: A Combined fMRI and ERP Study. Journal of Cognitive Neuroscience, 2010, 22, 2768-2780.	2.3	123
79	Abnormal Neural Filtering of Irrelevant Visual Information in Depression. Journal of Neuroscience, 2009, 29, 1395-1403.	3.6	126
80	Object Representations for Multiple Visual Categories Overlap in Lateral Occipital and Medial Fusiform Cortex. Cerebral Cortex, 2009, 19, 1806-1819.	2.9	55
81	Attentional load modifies early activity in human primary visual cortex. Human Brain Mapping, 2009, 30, 1723-1733.	3.6	116
82	Motion direction tuning in human visual cortex. European Journal of Neuroscience, 2009, 29, 424-434.	2.6	23
83	Effects of perceptual learning on primary visual cortex activity in humans. Vision Research, 2008, 48, 55-62.	1.4	129
84	Simultaneous recording of EEG and facial muscle reactions during spontaneous emotional mimicry. Neuropsychologia, 2008, 46, 1104-1113.	1.6	148
85	Abnormal activity in hypothalamus and amygdala during humour processing in human narcolepsy with cataplexy. Brain, 2008, 131, 514-522.	7.6	149
86	The voices of wrath: brain responses to angry prosody in meaningless speech. Nature Neuroscience, 2005, 8, 145-146.	14.8	384
87	Portraits or People? Distinct Representations of Face Identity in the Human Visual Cortex. Journal of Cognitive Neuroscience, 2005, 17, 1043-1057.	2.3	114
88	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. Cerebral Cortex, 2005, 15, 770-786.	2.9	332
89	View-independent coding of face identity in frontal and temporal cortices is modulated by familiarity: an event-related fMRI study. NeuroImage, 2005, 24, 1214-1224.	4.2	133
90	Hemispheric specialization of human inferior temporal cortex during coarse-to-fine and fine-to-coarse analysis of natural visual scenes. NeuroImage, 2005, 28, 464-473.	4.2	49

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91	Emotion and attention interactions in social cognition: Brain regions involved in processing anger prosody. NeuroImage, 2005, 28, 848-858.	4.2	350
92	Illusory persistence of touch after right parietal damage: neural correlates of tactile awareness. Brain, 2004, 128, 277-290.	7.6	23
93	Are life episodes replayed during dreaming?. Trends in Cognitive Sciences, 2003, 7, 325-327.	7.8	67
94	Sleep-Related Consolidation of a Visuomotor Skill: Brain Mechanisms as Assessed by Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2003, 23, 1432-1440.	3.6	210
95	Neural correlates of perceptual learning: A functional MRI study of visual texture discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 17137-17142.	7.1	377
96	Sleep imaging and the neuro-psychological assessment of dreams. Trends in Cognitive Sciences, 2002, 6, 23-30.	7.8	218
97	Beware and be aware: Capture of spatial attention by fear-related stimuli in neglect. NeuroReport, 2001, 12, 1119-1122.	1.2	161
98	A historical loop of one hundred years: Similarities between 19th century and contemporary dream research.. Dreaming, 2000, 10, 55-66.	0.5	25
99	Complementarity of dream research and neuroimaging of sleep. , 0, , 121-128.		2
100	Functional neuroimaging of narcolepsy. , 0, , 223-227.		2