

Björn H Schott

List of Publications by Year in descending order

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89
papers

4,704
citations

136950

32
h-index

106344

65
g-index

104
all docs

104
docs citations

104
times ranked

6279
citing authors

#	ARTICLE	IF	CITATIONS
1	Reward-Related fMRI Activation of Dopaminergic Midbrain Is Associated with Enhanced Hippocampus-Dependent Long-Term Memory Formation. <i>Neuron</i> , 2005, 45, 459-467.	8.1	579
2	Mesolimbic Functional Magnetic Resonance Imaging Activations during Reward Anticipation Correlate with Reward-Related Ventral Striatal Dopamine Release. <i>Journal of Neuroscience</i> , 2008, 28, 14311-14319.	3.6	426
3	Medial temporal theta state before an event predicts episodic encoding success in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5365-5370.	7.1	244
4	The Dopaminergic Midbrain Participates in Human Episodic Memory Formation: Evidence from Genetic Imaging. <i>Journal of Neuroscience</i> , 2006, 26, 1407-1417.	3.6	193
5	Functional imaging of the human dopaminergic midbrain. <i>Trends in Neurosciences</i> , 2009, 32, 321-328.	8.6	184
6	Ageing and early-stage Parkinson's disease affect separable neural mechanisms of mesolimbic reward processing. <i>Brain</i> , 2007, 130, 2412-2424.	7.6	169
7	A multivariate, spatiotemporal analysis of electromagnetic time-frequency data of recognition memory. <i>NeuroImage</i> , 2003, 18, 185-197.	4.2	168
8	Genome-wide association study of borderline personality disorder reveals genetic overlap with bipolar disorder, major depression and schizophrenia. <i>Translational Psychiatry</i> , 2017, 7, e1155-e1155.	4.8	150
9	Redefining implicit and explicit memory: The functional neuroanatomy of priming, remembering, and control of retrieval. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1257-1262.	7.1	137
10	The novelty exploration bonus and its attentional modulation. <i>Neuropsychologia</i> , 2009, 47, 2272-2281.	1.6	110
11	Activation of Midbrain Structures by Associative Novelty and the Formation of Explicit Memory in Humans. <i>Learning and Memory</i> , 2004, 11, 383-387.	1.3	105
12	Personality Traits Are Differentially Associated with Patterns of Reward and Novelty Processing in the Human Substantia Nigra/Ventral Tegmental Area. <i>Biological Psychiatry</i> , 2009, 65, 103-110.	1.3	105
13	Cue reactivity and its inhibition in pathological computer game players. <i>Addiction Biology</i> , 2013, 18, 134-146.	2.6	96
14	Dopaminergic Modulation of Auditory Cortex-Dependent Memory Consolidation through mTOR. <i>Cerebral Cortex</i> , 2008, 18, 2646-2658.	2.9	87
15	Recapitulating emotional context: activity of amygdala, hippocampus and fusiform cortex during recollection and familiarity. <i>European Journal of Neuroscience</i> , 2005, 21, 1993-1999.	2.6	83
16	The relationship between level of processing and hippocampal cortical functional connectivity during episodic memory formation in humans. <i>Human Brain Mapping</i> , 2013, 34, 407-424.	3.6	81
17	Chronic <i>Toxoplasma gondii</i> infection enhances β -amyloid phagocytosis and clearance by recruited monocytes. <i>Acta Neuropathologica Communications</i> , 2016, 4, 25.	5.2	78
18	Perceptual Priming Versus Explicit Memory: Dissociable Neural Correlates at Encoding. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 578-592.	2.3	73

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19	Beautiful friendship: Social sharing of emotions improves subjective feelings and activates the neural reward circuitry. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 801-808.	3.0	72
20	Chronic Toxoplasma infection is associated with distinct alterations in the synaptic protein composition. <i>Journal of Neuroinflammation</i> , 2018, 15, 216.	7.2	62
21	Neuroanatomical Dissociation of Encoding Processes Related to Priming and Explicit Memory. <i>Journal of Neuroscience</i> , 2006, 26, 792-800.	3.6	60
22	Hippocampal and Frontolimbic Function as Intermediate Phenotype for Psychosis: Evidence from Healthy Relatives and a Common Risk Variant in CACNA1C. <i>Biological Psychiatry</i> , 2014, 76, 466-475.	1.3	57
23	The role of hippocampus dysfunction in deficient memory encoding and positive symptoms in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2010, 183, 187-194.	1.8	53
24	Trait anxiety modulates fronto-limbic processing of emotional interference in borderline personality disorder. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 54.	2.0	52
25	Gradual acquisition of visuospatial associative memory representations via the dorsal precuneus. <i>Human Brain Mapping</i> , 2019, 40, 1554-1570.	3.6	49
26	Epistatic interaction of genetic depression risk variants in the human subgenual cingulate cortex during memory encoding. <i>Translational Psychiatry</i> , 2014, 4, e372-e372.	4.8	46
27	Factors Influencing the Cardiovascular Response to Subanesthetic Ketamine: A Randomized, Placebo-Controlled Trial. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 909-918.	2.1	43
28	Brain Areas Consistently Linked to Individual Differences in Perceptual Decision-making in Younger as well as Older Adults before and after Training. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2147-2158.	2.3	42
29	Further Evidence for the Impact of a Genome-Wide-Supported Psychosis Risk Variant in ZNF804A on the Theory of Mind Network. <i>Neuropsychopharmacology</i> , 2014, 39, 1196-1205.	5.4	42
30	Prefrontal dopamine and the dynamic control of human long-term memory. <i>Translational Psychiatry</i> , 2011, 1, e15-e15.	4.8	41
31	Neural Correlates of Learning from Induced Insight: A Case for Reward-Based Episodic Encoding. <i>Frontiers in Psychology</i> , 2016, 7, 1693.	2.1	40
32	Fiber density between rhinal cortex and activated ventrolateral prefrontal regions predicts episodic memory performance in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5408-5413.	7.1	38
33	Amygdalar nuclei and hippocampal subfields on MRI: Test-retest reliability of automated volumetry across different MRI sites and vendors. <i>NeuroImage</i> , 2020, 218, 116932.	4.2	38
34	Replication of brain function effects of a genome-wide supported psychiatric risk variant in the CACNA1C gene and new multi-locus effects. <i>NeuroImage</i> , 2014, 94, 147-154.	4.2	32
35	A negative relationship between ventral striatal loss anticipation response and impulsivity in borderline personality disorder. <i>NeuroImage: Clinical</i> , 2016, 12, 724-736.	2.7	29
36	Ketamine influences the locus coeruleus norepinephrine network, with a dependency on norepinephrine transporter genotype – a placebo controlled fMRI study. <i>NeuroImage: Clinical</i> , 2018, 20, 715-723.	2.7	29

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37	Measures of hippocampal volumes, diffusion and 1H MRS metabolic abnormalities in temporal lobe epilepsy provide partially complementary information. <i>European Journal of Neurology</i> , 2004, 11, 195-205.	3.3	28
38	Soluble TAM receptors sAXL and sTyro3 predict structural and functional protection in Alzheimer's disease. <i>Neuron</i> , 2022, 110, 1009-1022.e4.	8.1	27
39	The BDNF-Val66Met polymorphism: Implications for susceptibility to multiple sclerosis and severity of disease. <i>Journal of Neuroimmunology</i> , 2005, 167, 183-185.	2.3	26
40	Early, partly anticipatory, neural oscillations during identification set the stage for priming. <i>NeuroImage</i> , 2005, 25, 690-700.	4.2	26
41	Analysis of genome-wide significant bipolar disorder genes in borderline personality disorder. <i>Psychiatric Genetics</i> , 2014, 24, 262-265.	1.1	26
42	5-HTTLPR/rs25531 polymorphism and neuroticism are linked by resting state functional connectivity of amygdala and fusiform gyrus. <i>Brain Structure and Function</i> , 2015, 220, 2373-2385.	2.3	26
43	Motivational salience modulates hippocampal repetition suppression and functional connectivity in humans. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 144.	2.0	25
44	Genetic Variation of the Serotonin 2a Receptor Affects Hippocampal Novelty Processing in Humans. <i>PLoS ONE</i> , 2011, 6, e15984.	2.5	25
45	Motivational salience and genetic variability of dopamine D2 receptor expression interact in the modulation of interference processing. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 250.	2.0	25
46	Neurocan genome-wide psychiatric risk variant affects explicit memory performance and hippocampal function in healthy humans. <i>European Journal of Neuroscience</i> , 2021, 53, 3942-3959.	2.6	25
47	Learning of novel semantic relationships via sudden comprehension is associated with a hippocampus-independent network. <i>Consciousness and Cognition</i> , 2019, 69, 113-132.	1.5	24
48	A Potential Role for a Genetic Variation of AKAP5 in Human Aggression and Anger Control. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 175.	2.0	23
49	Genetics of Alcohol Dependence: A Review of Clinical Studies. <i>Neuropsychobiology</i> , 2014, 70, 77-94.	1.9	23
50	Gender-specific modulation of neural mechanisms underlying social reward processing by Autism Quotient. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1537-1547.	3.0	23
51	Genetic variation of the RASGRF1 regulatory region affects human hippocampus-dependent memory. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 260.	2.0	22
52	Valenced action/inhibition learning in humans is modulated by a genetic variant linked to dopamine D2 receptor expression. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 140.	2.5	22
53	A comprehensive score reflecting memory-related <sc>fMRI</sc> activations and deactivations as potential biomarker for neurocognitive aging. <i>Human Brain Mapping</i> , 2021, 42, 4478-4496.	3.6	22
54	Fronto-limbic novelty processing in acute psychosis: disrupted relationship with memory performance and potential implications for delusions. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 144.	2.0	21

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55	Bayesian model selection favors parametric over categorical fMRI subsequent memory models in young and older adults. <i>NeuroImage</i> , 2021, 230, 117820.	4.2	21
56	Visual imagery and memory: Do retrieval strategies affect what the mind's eye sees?. <i>European Journal of Cognitive Psychology</i> , 2004, 16, 631-652.	1.3	20
57	The neural representation of intrusive thoughts. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 688-693.	3.0	20
58	Neuronal impairment following chronic <i>Toxoplasma gondii</i> infection is aggravated by intestinal nematode challenge in an IFN- β -dependent manner. <i>Journal of Neuroinflammation</i> , 2019, 16, 159.	7.2	20
59	Inhibition of Information Flow to the Default Mode Network During Self-Reference Versus Reference to Others. <i>Cerebral Cortex</i> , 2017, 27, 3930-3942.	2.9	19
60	Behavioral and Neural Manifestations of Reward Memory in Carriers of Low-Expressing versus High-Expressing Genetic Variants of the Dopamine D2 Receptor. <i>Frontiers in Psychology</i> , 2017, 8, 654.	2.1	19
61	Membrane-Bound Catechol-O-Methyl Transferase in Cortical Neurons and Glial Cells is Intracellularly Oriented. <i>Frontiers in Psychiatry</i> , 2010, 1, 142.	2.6	18
62	AKAP79/150 interacts with the neuronal calcium-binding protein caldendrin. <i>Journal of Neurochemistry</i> , 2012, 122, 714-726.	3.9	17
63	The "DGPPN-Cohort": a national collaboration initiative by the German Association for Psychiatry and Psychotherapy (DGPPN) for establishing a large-scale cohort of psychiatric patients. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 695-701.	3.2	17
64	GAD65 Promoter Polymorphism rs2236418 Modulates Harm Avoidance in Women via Inhibition/Excitation Balance in the Rostral ACC. <i>Journal of Neuroscience</i> , 2018, 38, 5067-5077.	3.6	17
65	Amyloid pathology but not APOE ϵ 4 status is permissive for tau-related hippocampal dysfunction. <i>Brain</i> , 2022, 145, 1473-1485.	7.6	17
66	Medium-term and peri-lockdown course of psychosocial burden during the ongoing COVID-19 pandemic: a longitudinal study on patients with pre-existing mental disorders. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2022, 272, 757-771.	3.2	16
67	Delay discounting without decision-making: medial prefrontal cortex and amygdala activations reflect immediacy processing and correlate with impulsivity and anxious-depressive traits. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 280.	2.0	15
68	Effects of AKAP5 Pro100Leu Genotype on Working Memory for Emotional Stimuli. <i>PLoS ONE</i> , 2013, 8, e55613.	2.5	12
69	Association of Cholinergic Basal Forebrain Volume and Functional Connectivity with Markers of Inflammatory Response in the Alzheimer's Disease Spectrum. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1267-1282.	2.6	12
70	Increased density of AKAP5-expressing neurons in the anterior cingulate cortex of subjects with bipolar disorder. <i>Journal of Psychiatric Research</i> , 2013, 47, 699-705.	3.1	11
71	Neuronal glutamatergic changes and peripheral markers of cytoskeleton dynamics change synchronously 24h after sub-anaesthetic dose of ketamine in healthy subjects. <i>Behavioural Brain Research</i> , 2019, 359, 312-319.	2.2	11
72	Learning in anticipation of reward and punishment: perspectives across the human lifespan. <i>Neurobiology of Aging</i> , 2020, 96, 49-57.	3.1	11

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73	Visuo-motor integration in humans: Cortical patterns of response lateralisation and functional connectivity. <i>Neuropsychologia</i> , 2009, 47, 1313-1322.	1.6	10
74	Met carriers of the BDNF Val66Met polymorphism show reduced Glx/NAA in the pregenual ACC in two independent cohorts. <i>Scientific Reports</i> , 2021, 11, 6742.	3.3	8
75	Learning by Insight-Like Sudden Comprehension as a Potential Strategy to Improve Memory Encoding in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 661346.	3.4	8
76	<i>Toxoplasma gondii</i> exposure and neurological disorders: An age- and gender-matched case-control pilot study. <i>European Journal of Microbiology and Immunology</i> , 2017, 7, 303-309.	2.8	7
77	Borderline personality disorder and the big five: molecular genetic analyses indicate shared genetic architecture with neuroticism and openness. <i>Translational Psychiatry</i> , 2022, 12, 153.	4.8	7
78	Reduced Hippocampal Neurogenesis in Mice Deficient in Apoptosis Repressor with Caspase Recruitment Domain (ARC). <i>Neuroscience</i> , 2019, 416, 20-29.	2.3	6
79	The ToMenovela "A Photograph-Based Stimulus Set for the Study of Social Cognition with High Ecological Validity. <i>Frontiers in Psychology</i> , 2016, 7, 1883.	2.1	5
80	Robustly High Hippocampal BDNF levels under Acute Stress in Mice Lacking the Full-length p75 Neurotrophin Receptor. <i>Pharmacopsychiatry</i> , 2021, 54, 205-213.	3.3	5
81	Motivational learning biases are differentially modulated by genetic determinants of striatal and prefrontal dopamine function. <i>Journal of Neural Transmission</i> , 2021, 128, 1705-1720.	2.8	4
82	Association between dopa decarboxylase gene variants and borderline personality disorder. <i>Psychiatry Research</i> , 2014, 219, 693-695.	3.3	3
83	Dental Care of Patients With Dementia: A Survey on Practice Equipment, Training, and Dental Treatment. <i>Frontiers in Oral Health</i> , 2021, 2, 682139.	3.0	3
84	Reply to Rousselet et al.: A robust relationship between fiber density and memory recall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E599-E599.	7.1	0
85	Neuronal and peripheral markers of plasticity dynamics, change concomitantly after sub-anesthetic dose of ketamine in humans. <i>European Neuropsychopharmacology</i> , 2017, 27, S649-S650.	0.7	0
86	Reduced frontal cortical tracking of conflict between self-beneficial versus prosocial motives in Narcissistic Personality Disorder. <i>NeuroImage: Clinical</i> , 2021, 32, 102800.	2.7	0
87	Mechanisms of visual grouping investigated with fMRI. <i>Journal of Vision</i> , 2010, 1, 387-387.	0.3	0
88	579. Region Specific Metabolic Correlates Contribute to Gene and Sex Relationship of Transitional Anxiety Phenotypes. <i>Biological Psychiatry</i> , 2017, 81, S234.	1.3	0
89	Synaptic proteome alterations in chronic <i>Toxoplasma gondii</i> -infected mice suggest interference with glutamatergic neurotransmission. <i>Pharmacopsychiatry</i> , 2017, 50, .	3.3	0