

Nico Bunzeck

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

3,542
citations

172443

29
h-index

149686

56
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71
all docs

71
docs citations

71
times ranked

4486
citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute Coding of Stimulus Novelty in the Human Substantia Nigra/VTA. <i>Neuron</i> , 2006, 51, 369-379.	8.1	438
2	Anticipation of novelty recruits reward system and hippocampus while promoting recollection. <i>NeuroImage</i> , 2007, 38, 194-202.	4.2	217
3	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
4	Functional imaging of the human dopaminergic midbrain. <i>Trends in Neurosciences</i> , 2009, 32, 321-328.	8.6	184
5	Theta-Coupled Periodic Replay in Working Memory. <i>Current Biology</i> , 2010, 20, 606-612.	3.9	183
6	Reward Dependent Invigoration Relates to Theta Oscillations and Is Predicted by Dopaminergic Midbrain Integrity in Healthy Elderly. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 1.	3.4	180
7	NOvelty-related Motivation of Anticipation and exploration by Dopamine (NOMAD): Implications for healthy aging. <i>Neuroscience and Biobehavioral Reviews</i> , 2010, 34, 660-669.	6.1	173
8	Dopamine Modulates Episodic Memory Persistence in Old Age. <i>Journal of Neuroscience</i> , 2012, 32, 14193-14204.	3.6	162
9	Scanning silence: Mental imagery of complex sounds. <i>NeuroImage</i> , 2005, 26, 1119-1127.	4.2	153
10	Theta-Alpha Oscillations Bind the Hippocampus, Prefrontal Cortex, and Striatum during Recollection: Evidence from Simultaneous EEG&fMRI. <i>Journal of Neuroscience</i> , 2016, 36, 3579-3587.	3.6	110
11	Contextual Novelty Changes Reward Representations in the Striatum. <i>Journal of Neuroscience</i> , 2010, 30, 1721-1726.	3.6	91
12	A common mechanism for adaptive scaling of reward and novelty. <i>Human Brain Mapping</i> , 2010, 31, 1380-1394.	3.6	80
13	Contextual interaction between novelty and reward processing within the mesolimbic system. <i>Human Brain Mapping</i> , 2012, 33, 1309-1324.	3.6	78
14	Mesolimbic Novelty Processing in Older Adults. <i>Cerebral Cortex</i> , 2007, 17, 2940-2948.	2.9	67
15	Deficient inhibitory processing in trait anxiety: Evidence from context-dependent fear learning, extinction recall and renewal. <i>Biological Psychology</i> , 2015, 111, 65-72.	2.2	55
16	Iron Level and Myelin Content in the Ventral Striatum Predict Memory Performance in the Aging Brain. <i>Journal of Neuroscience</i> , 2016, 36, 3552-3558.	3.6	55
17	Pharmacological Dissociation of Novelty Responses in the Human Brain. <i>Cerebral Cortex</i> , 2014, 24, 1351-1360.	2.9	54
18	Contextual Novelty Modulates the Neural Dynamics of Reward Anticipation. <i>Journal of Neuroscience</i> , 2011, 31, 12816-12822.	3.6	53

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19	Reward Motivation Accelerates the Onset of Neural Novelty Signals in Humans to 85 Milliseconds. <i>Current Biology</i> , 2009, 19, 1294-1300.	3.9	52
20	Motor phenotype and magnetic resonance measures of basal ganglia iron levels in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2013, 19, 1136-1142.	2.2	48
21	Nucleus Accumbens Activity Dissociates Different Forms of Salience: Evidence from Human Intracranial Recordings. <i>Journal of Neuroscience</i> , 2013, 33, 8764-8771.	3.6	47
22	Altered activation and connectivity in a hippocampal-basal ganglia-midbrain circuit during salience processing in subjects at ultra high risk for psychosis. <i>Translational Psychiatry</i> , 2017, 7, e1245-e1245.	4.8	47
23	Sex differences in conditioned stimulus discrimination during context-dependent fear learning and its retrieval in humans: the role of biological sex, contraceptives and menstrual cycle phases. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 368-375.	2.4	47
24	Sex differences in conditioned stimulus discrimination during context-dependent fear learning and its retrieval in humans: the role of biological sex, contraceptives and menstrual cycle phases. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 368-375.	2.4	46
25	White Noise Improves Learning by Modulating Activity in Dopaminergic Midbrain Regions and Right Superior Temporal Sulcus. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1469-1480.	2.3	44
26	Dopaminergic stimulation facilitates working memory and differentially affects prefrontal low theta oscillations. <i>NeuroImage</i> , 2014, 94, 185-192.	4.2	40
27	Category-specific organization of prefrontal response-facilitation during priming. <i>Neuropsychologia</i> , 2006, 44, 1765-1776.	1.6	39
28	Semantic Congruence Accelerates the Onset of the Neural Signals of Successful Memory Encoding. <i>Journal of Neuroscience</i> , 2017, 37, 291-301.	3.6	36
29	Basal forebrain integrity and cognitive memory profile in healthy aging. <i>Brain Research</i> , 2010, 1308, 124-136.	2.2	31
30	Substantia Nigra Activity Level Predicts Trial-to-Trial Adjustments in Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 362-373.	2.3	31
31	Dopamine modulates processing speed in the human mesolimbic system. <i>NeuroImage</i> , 2013, 66, 293-300.	4.2	31
32	Differential effects of white noise in cognitive and perceptual tasks. <i>Frontiers in Psychology</i> , 2015, 6, 1639.	2.1	29
33	Dopamine is a double-edged sword: dopaminergic modulation enhances memory retrieval performance but impairs metacognition. <i>Neuropsychopharmacology</i> , 2019, 44, 555-563.	5.4	29
34	A close relationship between verbal memory and SN/VTA integrity in young and older adults. <i>Neuropsychologia</i> , 2008, 46, 3042-3052.	1.6	28
35	Altered salience processing in attention deficit hyperactivity disorder. <i>Human Brain Mapping</i> , 2015, 36, 2049-2060.	3.6	28
36	Pain anticipation recruits the mesolimbic system and differentially modulates subsequent recognition memory. <i>Human Brain Mapping</i> , 2014, 35, 4594-4606.	3.6	27

#	ARTICLE	IF	CITATIONS
37	Dopamine Controls the Neural Dynamics of Memory Signals and Retrieval Accuracy. <i>Neuropsychopharmacology</i> , 2013, 38, 2409-2417.	5.4	26
38	Acetylcholine modulates human working memory and subsequent familiarity based recognition via alpha oscillations. <i>NeuroImage</i> , 2016, 137, 61-69.	4.2	26
39	Neurochemical modulation of repetition suppression and novelty signals in the human brain. <i>Cortex</i> , 2016, 80, 161-173.	2.4	25
40	Brain responses to different types of salience in antipsychotic naïve first episode psychosis: An fMRI study. <i>Translational Psychiatry</i> , 2018, 8, 196.	4.8	24
41	Goal- and retrieval-dependent activity in the striatum during memory recognition. <i>Neuropsychologia</i> , 2015, 72, 1-11.	1.6	19
42	Retrieval Demands Adaptively Change Striatal Old/New Signals and Boost Subsequent Long-Term Memory. <i>Journal of Neuroscience</i> , 2018, 38, 745-754.	3.6	17
43	Working memory performance in the elderly relates to theta-alpha oscillations and is predicted by parahippocampal and striatal integrity. <i>Scientific Reports</i> , 2019, 9, 706.	3.3	17
44	Dopamine Enhances Item Novelty Detection via Hippocampal and Associative Recall via Left Lateral Prefrontal Cortex Mechanisms. <i>Journal of Neuroscience</i> , 2019, 39, 7920-7933.	3.6	17
45	The gains of a 4-week cognitive training are not modulated by novelty. <i>Human Brain Mapping</i> , 2020, 41, 2596-2610.	3.6	17
46	Retrieval Practice Improves Recollection-Based Memory Over a Seven-Day Period in Younger and Older Adults. <i>Frontiers in Psychology</i> , 2019, 10, 2997.	2.1	15
47	Reward modulates the neural dynamics of early visual category processing. <i>NeuroImage</i> , 2012, 63, 1614-1622.	4.2	14
48	Novelty Before or After Word Learning Does Not Affect Subsequent Memory Performance. <i>Frontiers in Psychology</i> , 2019, 10, 1379.	2.1	13
49	Neural Habituation to Painful Stimuli Is Modulated by Dopamine: Evidence from a Pharmacological fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 630.	2.0	12
50	Age-Related Decreases in the Retrieval Practice Effect Directly Relate to Changes in Alpha-Beta Oscillations. <i>Journal of Neuroscience</i> , 2019, 39, 4344-4352.	3.6	12
51	Theta oscillations underlie retrieval success effects in the nucleus accumbens and anterior thalamus: Evidence from human intracranial recordings. <i>Neurobiology of Learning and Memory</i> , 2018, 155, 104-112.	1.9	10
52	Neural oscillations and event-related potentials reveal how semantic congruence drives long-term memory in both young and older humans. <i>Scientific Reports</i> , 2020, 10, 9116.	3.3	10
53	Age-related iron accumulation and demyelination in the basal ganglia are closely related to verbal memory and executive functioning. <i>Scientific Reports</i> , 2021, 11, 9438.	3.3	10
54	Functional coupling between CA3 and laterobasal amygdala supports schema dependent memory formation. <i>NeuroImage</i> , 2021, 244, 118563.	4.2	9

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55	Early Effects of Reward Anticipation Are Modulated by Dopaminergic Stimulation. PLoS ONE, 2014, 9, e108886.	2.5	8
56	Altered subcortical emotional salience processing differentiates Parkinson's patients with and without psychotic symptoms. NeuroImage: Clinical, 2020, 27, 102277.	2.7	8
57	Where There is Smoke There is Fear" Impaired Contextual Inhibition of Conditioned Fear in Smokers. Neuropsychopharmacology, 2017, 42, 1640-1646.	5.4	7
58	Novelty processing associated with neural beta oscillations improves recognition memory in young and older adults. Annals of the New York Academy of Sciences, 2022, , .	3.8	4
59	Semantic Congruence Accelerates the Onset of the Neural Signals of Successful Memory Encoding. Journal of Neuroscience, 2017, 37, 291-301.	3.6	3
60	Dopamine Related Genes Differentially Affect Declarative Long-Term Memory in Healthy Humans. Frontiers in Behavioral Neuroscience, 2020, 14, 539725.	2.0	3
61	Anticipating social incentives recruits alpha-beta oscillations in the human substantia nigra and invigorates behavior across the life span. NeuroImage, 2021, 245, 118696.	4.2	3
62	Anticipation of electric shocks modulates low beta power and event-related fields during memory encoding. Neurobiology of Learning and Memory, 2015, 123, 196-204.	1.9	1
63	Increasing Dopamine and Acetylcholine Levels during Encoding Does Not Modulate Remember or Know Responses during Memory Retrieval in Healthy Aging" a Randomized Controlled Feasibility Study. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2019, 3, 328-337.	1.6	1
64	Semantic Congruence Drives Long-Term Memory and Similarly Affects Neural Retrieval Dynamics in Young and Older Adults. Frontiers in Aging Neuroscience, 2021, 13, 683908.	3.4	1
65	Benefit from retrieval practice is linked to temporal and frontal activity in healthy young and older humans. Cerebral Cortex Communications, 2022, 3, tgac009.	1.6	1
66	Set Size of Information in Long-Term Memory Similarly Modulates Retrieval Dynamics in Young and Older Adults. Frontiers in Psychology, 2022, 13, 817929.	2.1	0