

Tobias Egner

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

145
papers

12,506
citations

49
h-index

111
g-index

156
ext. papers

14,363
ext. citations

5.9
avg, IF

7.02
L-index

#	Paper	IF	Citations
145	Neural Dynamics of Context-Sensitive Adjustments in Cognitive Flexibility.. <i>Journal of Cognitive Neuroscience</i> , 2022 , 1-13	3.1	
144	Distinct but correlated latent factors support the regulation of learned conflict-control and task-switching.. <i>Cognitive Psychology</i> , 2022 , 135, 101474	3.1	
143	Learning from mistakes: Incidental encoding reveals a time-dependent enhancement of posterror target processing.. <i>Journal of Experimental Psychology: General</i> , 2022 , 151, 718-730	4.7	0
142	Retrieval context determines whether event boundaries impair or enhance temporal order memory.. <i>Cognition</i> , 2022 , 225, 105145	3.5	
141	The many faces of learning-guided cognitive control.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2021 , 47, 1547-1549	2.2	0
140	Appealing to the cognitive miser: Using demand avoidance to modulate cognitive flexibility in cued and voluntary task switching. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2021 , 47, 1329-1347	2.6	
139	Switching task sets creates event boundaries in memory.. <i>Cognition</i> , 2021 , 221, 104992	3.5	2
138	Minimal impact of consolidation on learned switch-readiness. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2021 ,	2.2	2
137	Mind wandering at encoding, but not at retrieval, disrupts one-shot stimulus-control learning. <i>Attention, Perception, and Psychophysics</i> , 2021 , 83, 2968-2982	2	2
136	Ventromedial Prefrontal Cortex Drives the Prioritization of Self-Associated Stimuli in Working Memory. <i>Journal of Neuroscience</i> , 2021 , 41, 2012-2023	6.6	8
135	Evidence for a single mechanism gating perceptual and long-term memory information into working memory. <i>Cognition</i> , 2021 , 212, 104668	3.5	5
134	Stimulus variability and task relevance modulate binding-learning. <i>Attention, Perception, and Psychophysics</i> , 2021 , 1	2	
133	Evaluating the learning of stimulus-control associations through incidental memory of reinforcement events. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2021 ,	2.2	1
132	Neural Dynamics of Conflict Control in Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 2079-2092	3.1	0
131	Contextual Adaptation of Cognitive Flexibility is driven by Task- and Item-Level Learning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020 , 20, 757-782	3.5	12
130	Neural Mechanisms of Strategic Adaptation in Attentional Flexibility. <i>Journal of Cognitive Neuroscience</i> , 2020 , 32, 989-1008	3.1	2
129	Memories of control: One-shot episodic learning of item-specific stimulus-control associations. <i>Cognition</i> , 2020 , 199, 104220	3.5	6

128	Disentangling the Roles of Cue Visibility and Knowledge in Adjusting Cognitive Control: A Preregistered Direct Replication of the Farooqui and Manly (2015) Study. <i>Psychological Science</i> , 2020 , 31, 468-479	7.9	4
127	Performance feedback promotes proactive but not reactive adaptation of conflict-control. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020 , 46, 369-387	2.6	5
126	More efficient shielding for internal than external attention? Evidence from asymmetrical switch costs. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020 , 46, 912-925	2.6	1
125	Item-specific priming of voluntary task switches. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020 , 46, 434-441	2.6	6
124	Declarative and procedural working memory updating processes are mutually facilitative. <i>Attention, Perception, and Psychophysics</i> , 2020 , 82, 1858-1871	2	2
123	Neural Substrates of Working Memory Updating. <i>Journal of Cognitive Neuroscience</i> , 2020 , 32, 2285-2302	3.1	4
122	Cortical and subcortical contributions to context-control learning. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 99, 33-41	9	30
121	Automatic Prioritization of Self-Referential Stimuli in Working Memory. <i>Psychological Science</i> , 2019 , 30, 415-423	7.9	19
120	Human noise blindness drives suboptimal cognitive inference. <i>Nature Communications</i> , 2019 , 10, 1719	17.4	8
119	Neural Dynamics of Cognitive Control over Working Memory Capture of Attention. <i>Journal of Cognitive Neuroscience</i> , 2019 , 31, 1079-1090	3.1	5
118	Measuring Adaptive Control in Conflict Tasks. <i>Trends in Cognitive Sciences</i> , 2019 , 23, 769-783	14	84
117	Probabilistic inferential decision-making under time pressure in rhesus macaques (<i>Macaca mulatta</i>). <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2019 , 133, 380-396	2.1	1
116	Cognitive overcontrol as a trait marker in anorexia nervosa? Aberrant task- and response-set switching in remitted patients. <i>Journal of Abnormal Psychology</i> , 2019 , 128, 806-812	7	10
115	Spontaneous Task Structure Formation Results in a Cost to Incidental Memory of Task Stimuli. <i>Frontiers in Psychology</i> , 2019 , 10, 2833	3.4	4
114	Control by association: Transfer of implicitly primed attentional states across linked stimuli. <i>Psychonomic Bulletin and Review</i> , 2018 , 25, 617-626	4.1	12
113	Processing overlap-dependent distractor dilution rather than perceptual target load determines attentional selectivity. <i>Attention, Perception, and Psychophysics</i> , 2018 , 80, 2048-2059	2	
112	Integrated externally and internally generated task predictions jointly guide cognitive control in prefrontal cortex. <i>ELife</i> , 2018 , 7,	8.9	16
111	Cognitive control over prospective task-set interference. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018 , 44, 741-755	2.6	6

110	Frequency of prospective use modulates instructed task-set interference. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018 , 44, 1970-1980	2.6	5
109	Causal Evidence for Learning-Dependent Frontal Lobe Contributions to Cognitive Control. <i>Journal of Neuroscience</i> , 2018 , 38, 962-973	6.6	19
108	Getting a grip on cognitive flexibility. <i>Current Directions in Psychological Science</i> , 2018 , 27, 470-476	6.5	58
107	Computational Models of Cognitive Control 2017 , 125-142		2
106	Transdiagnostic Impairment in Cognitive Control Neurocircuits 2017 , 539-555		0
105	Decoding working memory content from attentional biases. <i>Psychonomic Bulletin and Review</i> , 2017 , 24, 1252-1260	4.1	9
104	Cognitive Control in Memory Encoding and Retrieval 2017 , 355-375		5
103	Cognitive Control in the Injured Brain 2017 , 513-538		1
102	Cognitive Control in Schizophrenia 2017 , 556-580		6
101	Cueing cognitive flexibility: Item-specific learning of switch readiness. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2017 , 43, 1950-1960	2.6	32
100	Neural Bases of Performance Monitoring 2017 , 292-313		2
99	Cognitive Control 2017 , 1-28		30
98	Cognitive Control and Emotional Processing 2017 , 392-407		5
97	Cognitive Control and Reward 2017 , 422-439		15
96	Attentional Control and Working Memory Capacity 2017 , 50-63		5
95	Conflict Adaptation 2017 , 64-78		23
94	Context, Conflict, and Control 2017 , 79-96		3
93	Neurophysiological Oscillations and Action Monitoring 2017 , 242-258		0

92	The Caudate Nucleus Mediates Learning of Stimulus-Control State Associations. <i>Journal of Neuroscience</i> , 2017 , 37, 1028-1038	6.6	37
91	Monitoring Demands for Executive Control: Shared Functions between Human and Nonhuman Primates. <i>Trends in Neurosciences</i> , 2017 , 40, 15-27	13.3	53
90	Dynamic Trial-by-Trial Recoding of Task-Set Representations in the Frontoparietal Cortex Mediates Behavioral Flexibility. <i>Journal of Neuroscience</i> , 2017 , 37, 11037-11050	6.6	32
89	Probabilistic inference under time pressure leads to a cortical-to-subcortical shift in decision evidence integration. <i>NeuroImage</i> , 2017 , 162, 138-150	7.9	4
88	Hierarchically Organized Medial Frontal Cortex-Basal Ganglia Loops Selectively Control Task- and Response-Selection. <i>Journal of Neuroscience</i> , 2017 , 37, 7893-7905	6.6	22
87	Neural Representation of Working Memory Content Is Modulated by Visual Attentional Demand. <i>Journal of Cognitive Neuroscience</i> , 2017 , 29, 2011-2024	3.1	14
86	The Role of Anterior Cingulate Cortex in the Affective Evaluation of Conflict. <i>Journal of Cognitive Neuroscience</i> , 2017 , 29, 137-149	3.1	41
85	Different levels of learning interact to shape the congruency sequence effect. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2016 , 42, 566-83	2.2	21
84	Visual Prediction Error Spreads Across Object Features in Human Visual Cortex. <i>Journal of Neuroscience</i> , 2016 , 36, 12746-12763	6.6	11
83	Center-Surround Inhibition in Working Memory. <i>Current Biology</i> , 2016 , 26, 64-8	6.3	35
82	Distractor-relevance determines whether task-switching enhances or impairs distractor memory. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016 , 42, 1-5	2.6	14
81	Reduced Risk-Taking following Disruption of the Intraparietal Sulcus. <i>Frontiers in Neuroscience</i> , 2016 , 10, 588	5.1	7
80	Feature-Based Attention and Feature-Based Expectation. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 401-404	14	38
79	Satisficing in split-second decision making is characterized by strategic cue discounting. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2016 , 42, 1937-1956	2.2	14
78	Attentional guidance by working memory differs by paradigm: an individual-differences approach. <i>Attention, Perception, and Psychophysics</i> , 2015 , 77, 704-12	2	5
77	Quality and accessibility of visual working memory during cognitive control of attentional guidance: A Bayesian model comparison approach. <i>Visual Cognition</i> , 2015 , 23, 337-356	1.8	7
76	An insula-frontostriatal network mediates flexible cognitive control by adaptively predicting changing control demands. <i>Nature Communications</i> , 2015 , 6, 8165	17.4	69
75	Memory Meets Control in Hippocampal and Striatal Binding of Stimuli, Responses, and Attentional Control States. <i>Journal of Neuroscience</i> , 2015 , 35, 14885-95	6.6	23

74	Mind-reading without the scanner: Behavioural decoding of working memory content. <i>Visual Cognition</i> , 2015 , 23, 862-866	1.8	2
73	(No) time for control: Frontal theta dynamics reveal the cost of temporally guided conflict anticipation. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2015 , 15, 787-807	3.5	45
72	Inhibition-Induced Forgetting Results from Resource Competition between Response Inhibition and Memory Encoding Processes. <i>Journal of Neuroscience</i> , 2015 , 35, 11936-45	6.6	23
71	Feature expectation heightens visual sensitivity during fine orientation discrimination. <i>Journal of Vision</i> , 2015 , 15, 14	0.4	17
70	The congruency sequence effect emerges when the distracter precedes the target. <i>Acta Psychologica</i> , 2015 , 156, 8-21	1.7	37
69	Neural conflict-control mechanisms improve memory for target stimuli. <i>Cerebral Cortex</i> , 2015 , 25, 833-43.1	3.1	61
68	Inhibition-induced forgetting: when more control leads to less memory. <i>Psychological Science</i> , 2015 , 26, 27-38	7.9	41
67	Emotional task management: neural correlates of switching between affective and non-affective task-sets. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 1045-53	4	8
66	Bayesian modeling of flexible cognitive control. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 46 Pt 1, 30-43	9	50
65	Dissociable causal roles for left and right parietal cortex in controlling attentional biases from the contents of working memory. <i>NeuroImage</i> , 2014 , 100, 200-5	7.9	12
64	The working memory stroop effect: when internal representations clash with external stimuli. <i>Psychological Science</i> , 2014 , 25, 1619-29	7.9	42
63	Simultaneous transcranial magnetic stimulation and single-neuron recording in alert non-human primates. <i>Nature Neuroscience</i> , 2014 , 17, 1130-6	25.5	88
62	Creatures of habit (and control): a multi-level learning perspective on the modulation of congruency effects. <i>Frontiers in Psychology</i> , 2014 , 5, 1247	3.4	120
61	Comparing neural substrates of emotional vs. non-emotional conflict modulation by global control context. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 66	3.3	10
60	Resource-sharing between internal maintenance and external selection modulates attentional capture by working memory content. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 670	3.3	15
59	Determinants of congruency sequence effects without learning and memory confounds. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014 , 40, 2022-2037	2.6	82
58	Using neural pattern classifiers to quantify the modularity of conflict-control mechanisms in the human brain. <i>Cerebral Cortex</i> , 2014 , 24, 1793-805	5.1	30
57	Probability of guessing, not precision, changes in mixture models of visual working memory during cognitive control of attentional guidance. <i>Visual Cognition</i> , 2014 , 22, 1027-1030	1.8	0

56	Thalamic control of human attention driven by memory and learning. <i>Current Biology</i> , 2014 , 24, 993-9	6.3	66
55	Working memory as internal attention: toward an integrative account of internal and external selection processes. <i>Psychonomic Bulletin and Review</i> , 2013 , 20, 228-42	4.1	163
54	Grounding predictive coding models in empirical neuroscience research. <i>Behavioral and Brain Sciences</i> , 2013 , 36, 210-1	0.9	15
53	Affective modulation of cognitive control is determined by performance-contingency and mediated by ventromedial prefrontal and cingulate cortex. <i>Journal of Neuroscience</i> , 2013 , 33, 16961-70	6.6	49
52	Attention sharpens the distinction between expected and unexpected percepts in the visual brain. <i>Journal of Neuroscience</i> , 2013 , 33, 18438-47	6.6	81
51	Concurrent repetition enhancement and suppression responses in extrastriate visual cortex. <i>Cerebral Cortex</i> , 2013 , 23, 2235-44	5.1	59
50	Cognitive control over working memory biases of selection. <i>Psychonomic Bulletin and Review</i> , 2012 , 19, 639-46	4.1	64
49	A parieto-medial temporal pathway for the strategic control over working memory biases in human visual attention. <i>Journal of Neuroscience</i> , 2012 , 32, 17563-71	6.6	22
48	Negative emotion does not modulate rapid feature integration effects. <i>Frontiers in Psychology</i> , 2012 , 3, 100	3.4	6
47	Model-based analysis of context-specific cognitive control. <i>Frontiers in Psychology</i> , 2012 , 3, 358	3.4	18
46	Explaining neural signals in human visual cortex with an associative learning model. <i>Behavioral Neuroscience</i> , 2012 , 126, 575-81	2.1	39
45	Priming of control: implicit contextual cuing of top-down attentional set. <i>Journal of Neuroscience</i> , 2012 , 32, 8192-200	6.6	81
44	Neural mechanisms mediating contingent capture of attention by affective stimuli. <i>Journal of Cognitive Neuroscience</i> , 2012 , 24, 1113-26	3.1	19
43	Emotional processing in anterior cingulate and medial prefrontal cortex. <i>Trends in Cognitive Sciences</i> , 2011 , 15, 85-93	14	2006
42	Affective privilege: asymmetric interference by emotional distracters. <i>Frontiers in Psychology</i> , 2011 , 2, 232	3.4	19
41	Right ventrolateral prefrontal cortex mediates individual differences in conflict-driven cognitive control. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 3903-13	3.1	55
40	The neural underpinnings of how reward associations can both guide and misguide attention. <i>Journal of Neuroscience</i> , 2011 , 31, 9752-9	6.6	106
39	Surprise! A unifying model of dorsal anterior cingulate function?. <i>Nature Neuroscience</i> , 2011 , 14, 1219-20	5.5	38

38	Going, going, gone: characterizing the time-course of congruency sequence effects. <i>Frontiers in Psychology</i> , 2010 , 1, 154	3.4	84
37	Expectation and surprise determine neural population responses in the ventral visual stream. <i>Journal of Neuroscience</i> , 2010 , 30, 16601-8	6.6	283
36	A translational bridge between mouse and human models of learned safety. <i>Annals of Medicine</i> , 2010 , 42, 115-22	1.5	40
35	Differential age-related decline in conflict-driven task-set shielding from emotional versus non-emotional distracters. <i>Neuropsychologia</i> , 2010 , 48, 1697-706	3.2	28
34	Motor control: exploring the neurochemistry of subliminal inhibition. <i>Current Biology</i> , 2010 , 20, R852-3	6.3	1
33	Search for a threatening target triggers limbic guidance of spatial attention. <i>Journal of Neuroscience</i> , 2009 , 29, 10563-72	6.6	52
32	Expectation (and attention) in visual cognition. <i>Trends in Cognitive Sciences</i> , 2009 , 13, 403-9	14	595
31	Neural repetition suppression reflects fulfilled perceptual expectations. <i>Nature Neuroscience</i> , 2008 , 11, 1004-6	25.5	510
30	Multiple conflict-driven control mechanisms in the human brain. <i>Trends in Cognitive Sciences</i> , 2008 , 12, 374-80	14	281
29	Dissociable neural systems resolve conflict from emotional versus nonemotional distracters. <i>Cerebral Cortex</i> , 2008 , 18, 1475-84	5.1	377
28	Neural integration of top-down spatial and feature-based information in visual search. <i>Journal of Neuroscience</i> , 2008 , 28, 6141-51	6.6	158
27	Preparatory neural activity predicts performance on a conflict task. <i>Brain Research</i> , 2007 , 1176, 92-102	3.7	12
26	Congruency sequence effects and cognitive control. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2007 , 7, 380-90	3.5	378
25	Neural dynamics of rejection sensitivity. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 945-56	3.1	158
24	Separate conflict-specific cognitive control mechanisms in the human brain. <i>NeuroImage</i> , 2007 , 35, 940-87.9		208
23	Mistaking a house for a face: neural correlates of misperception in healthy humans. <i>Cerebral Cortex</i> , 2006 , 16, 500-8	5.1	91
22	Predictive codes for forthcoming perception in the frontal cortex. <i>Science</i> , 2006 , 314, 1311-4	33.3	408
21	Neurofeedback treatment of epilepsy: from basic rationale to practical application. <i>Expert Review of Neurotherapeutics</i> , 2006 , 6, 247-57	4.3	66

20	Validating the efficacy of neurofeedback for optimising performance. <i>Progress in Brain Research</i> , 2006 , 159, 421-31	2.9	98
19	Resolving emotional conflict: a role for the rostral anterior cingulate cortex in modulating activity in the amygdala. <i>Neuron</i> , 2006 , 51, 871-82	13.9	1033
18	Resolving Emotional Conflict: A Role for the Rostral Anterior Cingulate Cortex in Modulating Activity in the Amygdala. <i>Neuron</i> , 2006 , 52, 1121	13.9	17
17	Foundation and practice of neurofeedback for the treatment of epilepsy. <i>Applied Psychophysiology Biofeedback</i> , 2006 , 31, 21-35	3.4	195
16	Neocortical connectivity during episodic memory formation. <i>PLoS Biology</i> , 2006 , 4, e128	9.7	84
15	The neural correlates and functional integration of cognitive control in a Stroop task. <i>NeuroImage</i> , 2005 , 24, 539-47	7.9	327
14	Intentional false responding shares neural substrates with response conflict and cognitive control. <i>NeuroImage</i> , 2005 , 25, 267-77	7.9	184
13	Hypnosis decouples cognitive control from conflict monitoring processes of the frontal lobe. <i>NeuroImage</i> , 2005 , 27, 969-78	7.9	171
12	Critical validation studies of neurofeedback. <i>Child and Adolescent Psychiatric Clinics of North America</i> , 2005 , 14, 83-104, vi	3.3	49
11	Cognitive control mechanisms resolve conflict through cortical amplification of task-relevant information. <i>Nature Neuroscience</i> , 2005 , 8, 1784-90	25.5	827
10	Where memory meets attention: neural substrates of negative priming. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 1774-84	3.1	57
9	The Temporal Dynamics of Electroencephalographic Responses to Alpha/Theta Neurofeedback Training in Healthy Subjects. <i>Journal of Neurotherapy</i> , 2004 , 8, 43-57		20
8	Memory structures for encoding and retrieving a piece of music: an ERP investigation. <i>Cognitive Brain Research</i> , 2004 , 22, 36-44		25
7	EEG biofeedback of low beta band components: frequency-specific effects on variables of attention and event-related brain potentials. <i>Clinical Neurophysiology</i> , 2004 , 115, 131-9	4.3	273
6	The effects of neurofeedback training on the spectral topography of the electroencephalogram. <i>Clinical Neurophysiology</i> , 2004 , 115, 2452-60	4.3	88
5	Ecological validity of neurofeedback. <i>NeuroReport</i> , 2003 , 14, 1221-1224	1.7	172
4	The effect of training distinct neurofeedback protocols on aspects of cognitive performance. <i>International Journal of Psychophysiology</i> , 2003 , 47, 75-85	2.9	303
3	Ecological validity of neurofeedback: modulation of slow wave EEG enhances musical performance. <i>NeuroReport</i> , 2003 , 14, 1221-4	1.7	46

2	EEG signature and phenomenology of alpha/theta neurofeedback training versus mock feedback. <i>Applied Psychophysiology Biofeedback</i> , 2002 , 27, 261-70	3-4	77
1	Learned self-regulation of EEG frequency components affects attention and event-related brain potentials in humans. <i>NeuroReport</i> , 2001 , 12, 4155-9	1-7	173