

# Tobias Egner

## List of Publications by Citations

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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	Emotional processing in anterior cingulate and medial prefrontal cortex. <i>Trends in Cognitive Sciences</i> , <b>2011</b> , 15, 85-93	14	2006
144	Resolving emotional conflict: a role for the rostral anterior cingulate cortex in modulating activity in the amygdala. <i>Neuron</i> , <b>2006</b> , 51, 871-82	13.9	1033
143	Cognitive control mechanisms resolve conflict through cortical amplification of task-relevant information. <i>Nature Neuroscience</i> , <b>2005</b> , 8, 1784-90	25.5	827
142	Expectation (and attention) in visual cognition. <i>Trends in Cognitive Sciences</i> , <b>2009</b> , 13, 403-9	14	595
141	Neural repetition suppression reflects fulfilled perceptual expectations. <i>Nature Neuroscience</i> , <b>2008</b> , 11, 1004-6	25.5	510
140	Predictive codes for forthcoming perception in the frontal cortex. <i>Science</i> , <b>2006</b> , 314, 1311-4	33.3	408
139	Congruency sequence effects and cognitive control. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2007</b> , 7, 380-90	3.5	378
138	Dissociable neural systems resolve conflict from emotional versus nonemotional distracters. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 1475-84	5.1	377
137	The neural correlates and functional integration of cognitive control in a Stroop task. <i>NeuroImage</i> , <b>2005</b> , 24, 539-47	7.9	327
136	The effect of training distinct neurofeedback protocols on aspects of cognitive performance. <i>International Journal of Psychophysiology</i> , <b>2003</b> , 47, 75-85	2.9	303
135	Expectation and surprise determine neural population responses in the ventral visual stream. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 16601-8	6.6	283
134	Multiple conflict-driven control mechanisms in the human brain. <i>Trends in Cognitive Sciences</i> , <b>2008</b> , 12, 374-80	14	281
133	EEG biofeedback of low beta band components: frequency-specific effects on variables of attention and event-related brain potentials. <i>Clinical Neurophysiology</i> , <b>2004</b> , 115, 131-9	4.3	273
132	Separate conflict-specific cognitive control mechanisms in the human brain. <i>NeuroImage</i> , <b>2007</b> , 35, 940-8	7.9	208
131	Foundation and practice of neurofeedback for the treatment of epilepsy. <i>Applied Psychophysiology Biofeedback</i> , <b>2006</b> , 31, 21-35	3.4	195
130	Intentional false responding shares neural substrates with response conflict and cognitive control. <i>NeuroImage</i> , <b>2005</b> , 25, 267-77	7.9	184
129	Learned self-regulation of EEG frequency components affects attention and event-related brain potentials in humans. <i>NeuroReport</i> , <b>2001</b> , 12, 4155-9	1.7	173

128	Ecological validity of neurofeedback. <i>NeuroReport</i> , <b>2003</b> , 14, 1221-1224	1.7	172
127	Hypnosis decouples cognitive control from conflict monitoring processes of the frontal lobe. <i>NeuroImage</i> , <b>2005</b> , 27, 969-78	7.9	171
126	Working memory as internal attention: toward an integrative account of internal and external selection processes. <i>Psychonomic Bulletin and Review</i> , <b>2013</b> , 20, 228-42	4.1	163
125	Neural integration of top-down spatial and feature-based information in visual search. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 6141-51	6.6	158
124	Neural dynamics of rejection sensitivity. <i>Journal of Cognitive Neuroscience</i> , <b>2007</b> , 19, 945-56	3.1	158
123	Creatures of habit (and control): a multi-level learning perspective on the modulation of congruency effects. <i>Frontiers in Psychology</i> , <b>2014</b> , 5, 1247	3.4	120
122	The neural underpinnings of how reward associations can both guide and misguide attention. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 9752-9	6.6	106
121	Validating the efficacy of neurofeedback for optimising performance. <i>Progress in Brain Research</i> , <b>2006</b> , 159, 421-31	2.9	98
120	Mistaking a house for a face: neural correlates of misperception in healthy humans. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 500-8	5.1	91
119	Simultaneous transcranial magnetic stimulation and single-neuron recording in alert non-human primates. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1130-6	25.5	88
118	The effects of neurofeedback training on the spectral topography of the electroencephalogram. <i>Clinical Neurophysiology</i> , <b>2004</b> , 115, 2452-60	4.3	88
117	Measuring Adaptive Control in Conflict Tasks. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 769-783	14	84
116	Going, going, gone: characterizing the time-course of congruency sequence effects. <i>Frontiers in Psychology</i> , <b>2010</b> , 1, 154	3.4	84
115	Neocortical connectivity during episodic memory formation. <i>PLoS Biology</i> , <b>2006</b> , 4, e128	9.7	84
114	Determinants of congruency sequence effects without learning and memory confounds. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2014</b> , 40, 2022-2037	2.6	82
113	Attention sharpens the distinction between expected and unexpected percepts in the visual brain. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 18438-47	6.6	81
112	Priming of control: implicit contextual cuing of top-down attentional set. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 8192-200	6.6	81
111	EEG signature and phenomenology of alpha/theta neurofeedback training versus mock feedback. <i>Applied Psychophysiology Biofeedback</i> , <b>2002</b> , 27, 261-70	3.4	77

110	An insula-frontostriatal network mediates flexible cognitive control by adaptively predicting changing control demands. <i>Nature Communications</i> , <b>2015</b> , 6, 8165	17.4	69
109	Thalamic control of human attention driven by memory and learning. <i>Current Biology</i> , <b>2014</b> , 24, 993-9	6.3	66
108	Neurofeedback treatment of epilepsy: from basic rationale to practical application. <i>Expert Review of Neurotherapeutics</i> , <b>2006</b> , 6, 247-57	4.3	66
107	Cognitive control over working memory biases of selection. <i>Psychonomic Bulletin and Review</i> , <b>2012</b> , 19, 639-46	4.1	64
106	Neural conflict-control mechanisms improve memory for target stimuli. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 833-43	3.1	61
105	Concurrent repetition enhancement and suppression responses in extrastriate visual cortex. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 2235-44	5.1	59
104	Getting a grip on cognitive flexibility. <i>Current Directions in Psychological Science</i> , <b>2018</b> , 27, 470-476	6.5	58
103	Where memory meets attention: neural substrates of negative priming. <i>Journal of Cognitive Neuroscience</i> , <b>2005</b> , 17, 1774-84	3.1	57
102	Right ventrolateral prefrontal cortex mediates individual differences in conflict-driven cognitive control. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 3903-13	3.1	55
101	Monitoring Demands for Executive Control: Shared Functions between Human and Nonhuman Primates. <i>Trends in Neurosciences</i> , <b>2017</b> , 40, 15-27	13.3	53
100	Search for a threatening target triggers limbic guidance of spatial attention. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 10563-72	6.6	52
99	Bayesian modeling of flexible cognitive control. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2014</b> , 46 Pt 1, 30-43	9	50
98	Affective modulation of cognitive control is determined by performance-contingency and mediated by ventromedial prefrontal and cingulate cortex. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 16961-70	6.6	49
97	Critical validation studies of neurofeedback. <i>Child and Adolescent Psychiatric Clinics of North America</i> , <b>2005</b> , 14, 83-104, vi	3.3	49
96	Ecological validity of neurofeedback: modulation of slow wave EEG enhances musical performance. <i>NeuroReport</i> , <b>2003</b> , 14, 1221-4	1.7	46
95	(No) time for control: Frontal theta dynamics reveal the cost of temporally guided conflict anticipation. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2015</b> , 15, 787-807	3.5	45
94	The working memory stroop effect: when internal representations clash with external stimuli. <i>Psychological Science</i> , <b>2014</b> , 25, 1619-29	7.9	42
93	The Role of Anterior Cingulate Cortex in the Affective Evaluation of Conflict. <i>Journal of Cognitive Neuroscience</i> , <b>2017</b> , 29, 137-149	3.1	41

92	Inhibition-induced forgetting: when more control leads to less memory. <i>Psychological Science</i> , <b>2015</b> , 26, 27-38	7.9	41
91	A translational bridge between mouse and human models of learned safety. <i>Annals of Medicine</i> , <b>2010</b> , 42, 115-22	1.5	40
90	Explaining neural signals in human visual cortex with an associative learning model. <i>Behavioral Neuroscience</i> , <b>2012</b> , 126, 575-81	2.1	39
89	Surprise! A unifying model of dorsal anterior cingulate function?. <i>Nature Neuroscience</i> , <b>2011</b> , 14, 1219-20	5.5	38
88	Feature-Based Attention and Feature-Based Expectation. <i>Trends in Cognitive Sciences</i> , <b>2016</b> , 20, 401-404	14	38
87	The Caudate Nucleus Mediates Learning of Stimulus-Control State Associations. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 1028-1038	6.6	37
86	The congruency sequence effect emerges when the distracter precedes the target. <i>Acta Psychologica</i> , <b>2015</b> , 156, 8-21	1.7	37
85	Center-Surround Inhibition in Working Memory. <i>Current Biology</i> , <b>2016</b> , 26, 64-8	6.3	35
84	Cueing cognitive flexibility: Item-specific learning of switch readiness. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2017</b> , 43, 1950-1960	2.6	32
83	Dynamic Trial-by-Trial Recoding of Task-Set Representations in the Frontoparietal Cortex Mediates Behavioral Flexibility. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 11037-11050	6.6	32
82	Cognitive Control <b>2017</b> , 1-28		30
81	Cortical and subcortical contributions to context-control learning. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 99, 33-41	9	30
80	Using neural pattern classifiers to quantify the modularity of conflict-control mechanisms in the human brain. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 1793-805	5.1	30
79	Differential age-related decline in conflict-driven task-set shielding from emotional versus non-emotional distracters. <i>Neuropsychologia</i> , <b>2010</b> , 48, 1697-706	3.2	28
78	Memory structures for encoding and retrieving a piece of music: an ERP investigation. <i>Cognitive Brain Research</i> , <b>2004</b> , 22, 36-44		25
77	Conflict Adaptation <b>2017</b> , 64-78		23
76	Memory Meets Control in Hippocampal and Striatal Binding of Stimuli, Responses, and Attentional Control States. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 14885-95	6.6	23
75	Inhibition-Induced Forgetting Results from Resource Competition between Response Inhibition and Memory Encoding Processes. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 11936-45	6.6	23

74	Hierarchically Organized Medial Frontal Cortex-Basal Ganglia Loops Selectively Control Task- and Response-Selection. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 7893-7905	6.6	22
73	A parieto-medial temporal pathway for the strategic control over working memory biases in human visual attention. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 17563-71	6.6	22
72	Different levels of learning interact to shape the congruency sequence effect. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2016</b> , 42, 566-83	2.2	21
71	The Temporal Dynamics of Electroencephalographic Responses to Alpha/Theta Neurofeedback Training in Healthy Subjects. <i>Journal of Neurotherapy</i> , <b>2004</b> , 8, 43-57		20
70	Automatic Prioritization of Self-Referential Stimuli in Working Memory. <i>Psychological Science</i> , <b>2019</b> , 30, 415-423	7.9	19
69	Affective privilege: asymmetric interference by emotional distracters. <i>Frontiers in Psychology</i> , <b>2011</b> , 2, 232	3.4	19
68	Neural mechanisms mediating contingent capture of attention by affective stimuli. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 1113-26	3.1	19
67	Causal Evidence for Learning-Dependent Frontal Lobe Contributions to Cognitive Control. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 962-973	6.6	19
66	Model-based analysis of context-specific cognitive control. <i>Frontiers in Psychology</i> , <b>2012</b> , 3, 358	3.4	18
65	Feature expectation heightens visual sensitivity during fine orientation discrimination. <i>Journal of Vision</i> , <b>2015</b> , 15, 14	0.4	17
64	Resolving Emotional Conflict: A Role for the Rostral Anterior Cingulate Cortex in Modulating Activity in the Amygdala. <i>Neuron</i> , <b>2006</b> , 52, 1121	13.9	17
63	Integrated externally and internally generated task predictions jointly guide cognitive control in prefrontal cortex. <i>ELife</i> , <b>2018</b> , 7,	8.9	16
62	Cognitive Control and Reward <b>2017</b> , 422-439		15
61	Resource-sharing between internal maintenance and external selection modulates attentional capture by working memory content. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 670	3.3	15
60	Grounding predictive coding models in empirical neuroscience research. <i>Behavioral and Brain Sciences</i> , <b>2013</b> , 36, 210-1	0.9	15
59	Neural Representation of Working Memory Content Is Modulated by Visual Attentional Demand. <i>Journal of Cognitive Neuroscience</i> , <b>2017</b> , 29, 2011-2024	3.1	14
58	Distractor-relevance determines whether task-switching enhances or impairs distractor memory. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2016</b> , 42, 1-5	2.6	14
57	Satisficing in split-second decision making is characterized by strategic cue discounting. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2016</b> , 42, 1937-1956	2.2	14

56	Contextual Adaptation of Cognitive Flexibility is driven by Task- and Item-Level Learning. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2020</b> , 20, 757-782	3.5	12
55	Control by association: Transfer of implicitly primed attentional states across linked stimuli. <i>Psychonomic Bulletin and Review</i> , <b>2018</b> , 25, 617-626	4.1	12
54	Dissociable causal roles for left and right parietal cortex in controlling attentional biases from the contents of working memory. <i>NeuroImage</i> , <b>2014</b> , 100, 200-5	7.9	12
53	Preparatory neural activity predicts performance on a conflict task. <i>Brain Research</i> , <b>2007</b> , 1176, 92-102	3.7	12
52	Visual Prediction Error Spreads Across Object Features in Human Visual Cortex. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 12746-12763	6.6	11
51	Comparing neural substrates of emotional vs. non-emotional conflict modulation by global control context. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 66	3.3	10
50	Cognitive overcontrol as a trait marker in anorexia nervosa? Aberrant task- and response-set switching in remitted patients. <i>Journal of Abnormal Psychology</i> , <b>2019</b> , 128, 806-812	7	10
49	Decoding working memory content from attentional biases. <i>Psychonomic Bulletin and Review</i> , <b>2017</b> , 24, 1252-1260	4.1	9
48	Human noise blindness drives suboptimal cognitive inference. <i>Nature Communications</i> , <b>2019</b> , 10, 1719	17.4	8
47	Emotional task management: neural correlates of switching between affective and non-affective task-sets. <i>Social Cognitive and Affective Neuroscience</i> , <b>2015</b> , 10, 1045-53	4	8
46	Ventromedial Prefrontal Cortex Drives the Prioritization of Self-Associated Stimuli in Working Memory. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 2012-2023	6.6	8
45	Quality and accessibility of visual working memory during cognitive control of attentional guidance: A Bayesian model comparison approach. <i>Visual Cognition</i> , <b>2015</b> , 23, 337-356	1.8	7
44	Reduced Risk-Taking following Disruption of the Intraparietal Sulcus. <i>Frontiers in Neuroscience</i> , <b>2016</b> , 10, 588	5.1	7
43	Cognitive Control in Schizophrenia <b>2017</b> , 556-580		6
42	Memories of control: One-shot episodic learning of item-specific stimulus-control associations. <i>Cognition</i> , <b>2020</b> , 199, 104220	3.5	6
41	Negative emotion does not modulate rapid feature integration effects. <i>Frontiers in Psychology</i> , <b>2012</b> , 3, 100	3.4	6
40	Cognitive control over prospective task-set interference. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2018</b> , 44, 741-755	2.6	6
39	Item-specific priming of voluntary task switches. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2020</b> , 46, 434-441	2.6	6

38	Cognitive Control in Memory Encoding and Retrieval <b>2017</b> , 355-375		5
37	Cognitive Control and Emotional Processing <b>2017</b> , 392-407		5
36	Attentional Control and Working Memory Capacity <b>2017</b> , 50-63		5
35	Neural Dynamics of Cognitive Control over Working Memory Capture of Attention. <i>Journal of Cognitive Neuroscience</i> , <b>2019</b> , 31, 1079-1090	3.1	5
34	Attentional guidance by working memory differs by paradigm: an individual-differences approach. <i>Attention, Perception, and Psychophysics</i> , <b>2015</b> , 77, 704-12	2	5
33	Performance feedback promotes proactive but not reactive adaptation of conflict-control. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2020</b> , 46, 369-387	2.6	5
32	Frequency of prospective use modulates instructed task-set interference. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2018</b> , 44, 1970-1980	2.6	5
31	Evidence for a single mechanism gating perceptual and long-term memory information into working memory. <i>Cognition</i> , <b>2021</b> , 212, 104668	3.5	5
30	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> , <b>2020</b> , 31, 468-479	7.9	4
29	Probabilistic inference under time pressure leads to a cortical-to-subcortical shift in decision evidence integration. <i>NeuroImage</i> , <b>2017</b> , 162, 138-150	7.9	4
28	Neural Substrates of Working Memory Updating. <i>Journal of Cognitive Neuroscience</i> , <b>2020</b> , 32, 2285-2302	3.1	4
27	Spontaneous Task Structure Formation Results in a Cost to Incidental Memory of Task Stimuli. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 2833	3.4	4
26	Context, Conflict, and Control <b>2017</b> , 79-96		3
25	Computational Models of Cognitive Control <b>2017</b> , 125-142		2
24	Neural Bases of Performance Monitoring <b>2017</b> , 292-313		2
23	Mind-reading without the scanner: Behavioural decoding of working memory content. <i>Visual Cognition</i> , <b>2015</b> , 23, 862-866	1.8	2
22	Neural Mechanisms of Strategic Adaptation in Attentional Flexibility. <i>Journal of Cognitive Neuroscience</i> , <b>2020</b> , 32, 989-1008	3.1	2
21	Switching task sets creates event boundaries in memory.. <i>Cognition</i> , <b>2021</b> , 221, 104992	3.5	2



20	Minimal impact of consolidation on learned switch-readiness. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2021</b> ,	2.2	2
19	Declarative and procedural working memory updating processes are mutually facilitative. <i>Attention, Perception, and Psychophysics</i> , <b>2020</b> , 82, 1858-1871	2	2
18	Mind wandering at encoding, but not at retrieval, disrupts one-shot stimulus-control learning. <i>Attention, Perception, and Psychophysics</i> , <b>2021</b> , 83, 2968-2982	2	2
17	Cognitive Control in the Injured Brain <b>2017</b> , 513-538		1
16	Motor control: exploring the neurochemistry of subliminal inhibition. <i>Current Biology</i> , <b>2010</b> , 20, R852-3	6.3	1
15	More efficient shielding for internal than external attention? Evidence from asymmetrical switch costs. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2020</b> , 46, 912-925	2.6	1
14	Probabilistic inferential decision-making under time pressure in rhesus macaques ( <i>Macaca mulatta</i> ). <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , <b>2019</b> , 133, 380-396	2.1	1
13	Evaluating the learning of stimulus-control associations through incidental memory of reinforcement events. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2021</b> ,	2.2	1
12	Transdiagnostic Impairment in Cognitive Control Neurocircuits <b>2017</b> , 539-555		0
11	Neurophysiological Oscillations and Action Monitoring <b>2017</b> , 242-258		0
10	Probability of guessing, not precision, changes in mixture models of visual working memory during cognitive control of attentional guidance. <i>Visual Cognition</i> , <b>2014</b> , 22, 1027-1030	1.8	0
9	The many faces of learning-guided cognitive control.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2021</b> , 47, 1547-1549	2.2	0
8	Neural Dynamics of Conflict Control in Working Memory. <i>Journal of Cognitive Neuroscience</i> , <b>2021</b> , 33, 2079-2092	3.1	0
7	Learning from mistakes: Incidental encoding reveals a time-dependent enhancement of posterror target processing.. <i>Journal of Experimental Psychology: General</i> , <b>2022</b> , 151, 718-730	4.7	0
6	Processing overlap-dependent distractor dilution rather than perceptual target load determines attentional selectivity. <i>Attention, Perception, and Psychophysics</i> , <b>2018</b> , 80, 2048-2059	2	
5	Neural Dynamics of Context-Sensitive Adjustments in Cognitive Flexibility.. <i>Journal of Cognitive Neuroscience</i> , <b>2022</b> , 1-13	3.1	
4	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> , <b>2021</b> , 47, 1329-1347	2.6	
3	Stimulus variability and task relevance modulate binding-learning. <i>Attention, Perception, and Psychophysics</i> , <b>2021</b> , 1	2	

- 2 Distinct but correlated latent factors support the regulation of learned conflict-control and task-switching.. *Cognitive Psychology*, **2022**, 135, 101474 3.1
- 1 Retrieval context determines whether event boundaries impair or enhance temporal order memory.. *Cognition*, **2022**, 225, 105145 3.5