Tobias Egner

List of Publications by Year
in descending order

137 papers	15,949 citations	34016 52 h-index	18075 120 g-index
156 all docs	156 docs citations	156 times ranked	13541 citing authors

#	Article	IF	Citations
1	Switching task sets creates event boundaries in memory. Cognition, 2022, 221, 104992.	1.1	15
2	Neural Dynamics of Context-sensitive Adjustments in Cognitive Flexibility. Journal of Cognitive Neuroscience, 2022, 34, 480-494.	1.1	4
3	Assessing the Durability of One-Shot Stimulus-Control Bindings. Journal of Cognition, 2022, 5, .	1.0	3
4	Distinct but correlated latent factors support the regulation of learned conflict-control and task-switching. Cognitive Psychology, 2022, 135, 101474.	0.9	2
5	Learning from mistakes: Incidental encoding reveals a time-dependent enhancement of posterror target processing.. Journal of Experimental Psychology: General, 2022, 151, 718-730.	1.5	3
6	Retrieval context determines whether event boundaries impair or enhance temporal order memory. Cognition, 2022, 225, 105145.	1.1	9
7	Ventromedial Prefrontal Cortex Drives the Prioritization of Self-Associated Stimuli in Working Memory. Journal of Neuroscience, 2021, 41, 2012-2023.	1.7	25
8	Mind wandering at encoding, but not at retrieval, disrupts one-shot stimulus-control learning. Attention, Perception, and Psychophysics, 2021, 83, 2968-2982.	0.7	8
9	Evidence for a single mechanism gating perceptual and long-term memory information into working memory. Cognition, 2021, 212, 104668.	1.1	11
10	Stimulus variability and task relevance modulate binding-learning. Attention, Perception, and Psychophysics, 2021, , 1.	0.7	0
11	Evaluating the learning of stimulus-control associations through incidental memory of reinforcement events.. Journal of Experimental Psychology: Learning Memory and Cognition, 2021, 47, 1599-1621.	0.7	4
12	Neural Dynamics of Conflict Control in Working Memory. Journal of Cognitive Neuroscience, 2021, 33, 2079-2092.	1.1	3
13	Minimal impact of consolidation on learned switch-readiness.. Journal of Experimental Psychology: Learning Memory and Cognition, 2021, 47, 1622-1637.	0.7	5
14	Appealing to the cognitive miser: Using demand avoidance to modulate cognitive flexibility in cued and voluntary task switching.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 1329-1347.	0.7	4
15	The many faces of learning-guided cognitive control.. Journal of Experimental Psychology: Learning Memory and Cognition, 2021, 47, 1547-1549.	0.7	1
16	Declarative and procedural working memory updating processes are mutually facilitative. Attention, Perception, and Psychophysics, 2020, 82, 1858-1871.	0.7	4
17	Neural Substrates of Working Memory Updating. Journal of Cognitive Neuroscience, 2020, 32, 2285-2302.	1.1	21
18	Contextual Adaptation of Cognitive Flexibility is driven by Task- and Item-Level Learning. Cognitive, Affective and Behavioral Neuroscience, 2020, 20, 757-782.	1.0	29

#	Article	IF	Citations
19	Neural Mechanisms of Strategic Adaptation in Attentional Flexibility. Journal of Cognitive Neuroscience, 2020, 32, 989-1008.	1.1	8
20	Memories of control: One-shot episodic learning of item-specific stimulus-control associations. Cognition, 2020, 199, 104220.	1.1	17
21	Disentangling the Roles of Cue Visibility and Knowledge in Adjusting Cognitive Control: A Preregistered Direct Replication of the Farooqui and Manly (2015) Study. Psychological Science, 2020, 31, 468-479.	1.8	6
22	Item-specific priming of voluntary task switches.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 434-441.	0.7	13
23	Performance feedback promotes proactive but not reactive adaptation of conflict-control.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 369-387.	0.7	10
24	More efficient shielding for internal than external attention? Evidence from asymmetrical switch costs.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 912-925.	0.7	4
25	Measuring Adaptive Control in Conflict Tasks. Trends in Cognitive Sciences, 2019, 23, 769-783.	4.0	179
26	Cortical and subcortical contributions to context-control learning. Neuroscience and Biobehavioral Reviews, 2019, 99, 33-41.	2.9	60
27	Automatic Prioritization of Self-Referential Stimuli in Working Memory. Psychological Science, 2019, 30, 415-423.	1.8	41
28	Human noise blindness drives suboptimal cognitive inference. Nature Communications, 2019, 10, 1719.	5.8	19
29	Neural Dynamics of Cognitive Control over Working Memory Capture of Attention. Journal of Cognitive Neuroscience, 2019, 31, 1079-1090.	1.1	9
30	Spontaneous Task Structure Formation Results in a Cost to Incidental Memory of Task Stimuli. Frontiers in Psychology, 2019, 10, 2833.	1.1	5
31	Cognitive overcontrol as a trait marker in anorexia nervosa? Aberrant task- and response-set switching in remitted patients.. Journal of Abnormal Psychology, 2019, 128, 806-812.	2.0	19
32	Probabilistic inferential decision-making under time pressure in rhesus macaques (Macaca mulatta).. Journal of Comparative Psychology (Washington, D C: 1983), 2019, 133, 380-396.	0.3	1
33	Control by association: Transfer of implicitly primed attentional states across linked stimuli. Psychonomic Bulletin and Review, 2018, 25, 617-626.	1.4	20
34	Causal Evidence for Learning-Dependent Frontal Lobe Contributions to Cognitive Control. Journal of Neuroscience, 2018, 38, 962-973.	1.7	34
35	Getting a Grip on Cognitive Flexibility. Current Directions in Psychological Science, 2018, 27, 470-476.	2.8	129
36	Processing overlap-dependent distractor dilution rather than perceptual target load determines attentional selectivity. Attention, Perception, and Psychophysics, 2018, 80, 2048-2059.	0.7	0

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37	Cognitive control over prospective task-set interference.. Journal of Experimental Psychology: Human Perception and Performance, 2018, 44, 741-755.	0.7	8
38	Frequency of prospective use modulates instructed task-set interference.. Journal of Experimental Psychology: Human Perception and Performance, 2018, 44, 1970-1980.	0.7	5
39	Integrated externally and internally generated task predictions jointly guide cognitive control in prefrontal cortex. ELife, 2018, 7, .	2.8	26
40	Decoding working memory content from attentional biases. Psychonomic Bulletin and Review, 2017, 24, 1252-1260.	1.4	11
41	Cueing cognitive flexibility: Item-specific learning of switch readiness.. Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 1950-1960.	0.7	51
42	The Caudate Nucleus Mediates Learning of Stimulusâ€“Control State Associations. Journal of Neuroscience, 2017, 37, 1028-1038.	1.7	59
43	Monitoring Demands for Executive Control: Shared Functions between Human and Nonhuman Primates. Trends in Neurosciences, 2017, 40, 15-27.	4.2	70
44	Dynamic Trial-by-Trial Recoding of Task-Set Representations in the Frontoparietal Cortex Mediates Behavioral Flexibility. Journal of Neuroscience, 2017, 37, 11037-11050.	1.7	55
45	Probabilistic inference under time pressure leads to a cortical-to-subcortical shift in decision evidence integration. NeuroImage, 2017, 162, 138-150.	2.1	9
46	Hierarchically Organized Medial Frontal Cortex-Basal Ganglia Loops Selectively Control Task- and Response-Selection. Journal of Neuroscience, 2017, 37, 7893-7905.	1.7	30
47	Neural Representation of Working Memory Content Is Modulated by Visual Attentional Demand. Journal of Cognitive Neuroscience, 2017, 29, 2011-2024.	1.1	23
48	The Role of Anterior Cingulate Cortex in the Affective Evaluation of Conflict. Journal of Cognitive Neuroscience, 2017, 29, 137-149.	1.1	66
49	The Caudate Nucleus Mediates Learning of Stimulusâ€“Control State Associations. Journal of Neuroscience, 2017, 37, 1028-1038.	1.7	5
50	Reduced Risk-Taking following Disruption of the Intraparietal Sulcus. Frontiers in Neuroscience, 2016, 10, 588.	1.4	11
51	Feature-Based Attention and Feature-Based Expectation. Trends in Cognitive Sciences, 2016, 20, 401-404.	4.0	61
52	Satisficing in split-second decision making is characterized by strategic cue discounting.. Journal of Experimental Psychology: Learning Memory and Cognition, 2016, 42, 1937-1956.	0.7	22
53	Different levels of learning interact to shape the congruency sequence effect.. Journal of Experimental Psychology: Learning Memory and Cognition, 2016, 42, 566-583.	0.7	25
54	Visual Prediction Error Spreads Across Object Features in Human Visual Cortex. Journal of Neuroscience, 2016, 36, 12746-12763.	1.7	22

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55	Center-Surround Inhibition in Working Memory. Current Biology, 2016, 26, 64-68.	1.8	60
56	Distractor-relevance determines whether task-switching enhances or impairs distractor memory.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1-5.	0.7	18
57	Feature expectation heightens visual sensitivity during fine orientation discrimination. Journal of Vision, 2015, 15, 14.	0.1	22
58	The congruency sequence effect emerges when the distracter precedes the target. Acta Psychologica, 2015, 156, 8-21.	0.7	47
59	Neural Conflict-Control Mechanisms Improve Memory for Target Stimuli. Cerebral Cortex, 2015, 25, 833-843.	1.6	69
60	Inhibition-Induced Forgetting. Psychological Science, 2015, 26, 27-38.	1.8	60
61	Emotional task management: neural correlates of switching between affective and non-affective task-sets. Social Cognitive and Affective Neuroscience, 2015, 10, 1045-1053.	1.5	11
62	Attentional guidance by working memory differs by paradigm: An individual-differences approach. Attention, Perception, and Psychophysics, 2015, 77, 704-712.	0.7	11
63	Quality and accessibility of visual working memory during cognitive control of attentional guidance: A Bayesian model comparison approach. Visual Cognition, 2015, 23, 337-356.	0.9	11
64	An insula-frontostriatal network mediates flexible cognitive control by adaptively predicting changing control demands. Nature Communications, 2015, 6, 8165.	5.8	114
65	Memory Meets Control in Hippocampal and Striatal Binding of Stimuli, Responses, and Attentional Control States. Journal of Neuroscience, 2015, 35, 14885-14895.	1.7	38
66	Mind-reading without the scanner: Behavioural decoding of working memory content. Visual Cognition, 2015, 23, 862-866.	0.9	3
67	(No) time for control: Frontal theta dynamics reveal the cost of temporally guided conflict anticipation. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 787-807.	1.0	75
68	Inhibition-Induced Forgetting Results from Resource Competition between Response Inhibition and Memory Encoding Processes. Journal of Neuroscience, 2015, 35, 11936-11945.	1.7	36
69	Creatures of habit (and control): a multi-level learning perspective on the modulation of congruency effects. Frontiers in Psychology, 2014, 5, 1247.	1.1	164
70	Comparing neural substrates of emotional vs. non-emotional conflict modulation by global control context. Frontiers in Human Neuroscience, 2014, 8, 66.	1.0	12
71	Resource-sharing between internal maintenance and external selection modulates attentional capture by working memory content. Frontiers in Human Neuroscience, 2014, 8, 670.	1.0	22
72	Attention and Decision-Making. , 2014, , .		2

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73	Determinants of congruency sequence effects without learning and memory confounds.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 2022-2037.	0.7	103
74	Using Neural Pattern Classifiers to Quantify the Modularity of Conflict-Control Mechanisms in the Human Brain. Cerebral Cortex, 2014, 24, 1793-1805.	1.6	38
75	Probability of guessing, not precision, changes in mixture models of visual working memory during cognitive control of attentional guidance. Visual Cognition, 2014, 22, 1027-1030.	0.9	1
76	Thalamic Control of Human Attention Driven by Memory and Learning. Current Biology, 2014, 24, 993-999.	1.8	101
77	Bayesian modeling of flexible cognitive control. Neuroscience and Biobehavioral Reviews, 2014, 46, 30-43.	2.9	70
78	Dissociable causal roles for left and right parietal cortex in controlling attentional biases from the contents of working memory. NeuroImage, 2014, 100, 200-205.	2.1	18
79	The Working Memory Stroop Effect: When Internal Representations Clash With External Stimuli. Psychological Science, 2014, 25, 1619-1629.	1.8	59
80	Simultaneous transcranial magnetic stimulation and single-neuron recording in alert non-human primates. Nature Neuroscience, 2014, 17, 1130-1136.	7.1	123
81	Working memory as internal attention: Toward an integrative account of internal and external selection processes. Psychonomic Bulletin and Review, 2013, 20, 228-242.	1.4	237
82	Grounding predictive coding models in empirical neuroscience research. Behavioral and Brain Sciences, 2013, 36, 210-211.	0.4	25
83	Affective Modulation of Cognitive Control is Determined by Performance-Contingency and Mediated by Ventromedial Prefrontal and Cingulate Cortex. Journal of Neuroscience, 2013, 33, 16961-16970.	1.7	54
84	Attention Sharpens the Distinction between Expected and Unexpected Percepts in the Visual Brain. Journal of Neuroscience, 2013, 33, 18438-18447.	1.7	111
85	Concurrent Repetition Enhancement and Suppression Responses in Extrastriate Visual Cortex. Cerebral Cortex, 2013, 23, 2235-2244.	1.6	78
86	Explaining neural signals in human visual cortex with an associative learning model.. Behavioral Neuroscience, 2012, 126, 575-581.	0.6	40
87	Priming of Control: Implicit Contextual Cuing of Top-down Attentional Set. Journal of Neuroscience, 2012, 32, 8192-8200.	1.7	94
88	Neural Mechanisms Mediating Contingent Capture of Attention by Affective Stimuli. Journal of Cognitive Neuroscience, 2012, 24, 1113-1126.	1.1	20
89	A Parieto-Medial Temporal Pathway for the Strategic Control over Working Memory Biases in Human Visual Attention. Journal of Neuroscience, 2012, 32, 17563-17571.	1.7	28
90	Negative Emotion Does Not Modulate Rapid Feature Integration Effects. Frontiers in Psychology, 2012, 3, 100.	1.1	7

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91	Model-Based Analysis of Context-Specific Cognitive Control. Frontiers in Psychology, 2012, 3, 358.	1.1	20
92	Cognitive control over working memory biases of selection. Psychonomic Bulletin and Review, 2012, 19, 639-646.	1.4	78
93	Right Ventrolateral Prefrontal Cortex Mediates Individual Differences in Conflict-driven Cognitive Control. Journal of Cognitive Neuroscience, 2011, 23, 3903-3913.	1.1	65
94	Emotional processing in anterior cingulate and medial prefrontal cortex. Trends in Cognitive Sciences, 2011, 15, 85-93.	4.0	2,470
95	Affective Privilege: Asymmetric Interference by Emotional Distracters. Frontiers in Psychology, 2011, 2, 232.	1.1	23
96	The Neural Underpinnings of How Reward Associations Can Both Guide and Misguide Attention. Journal of Neuroscience, 2011, 31, 9752-9759.	1.7	124
97	Surprise! A unifying model of dorsal anterior cingulate function?. Nature Neuroscience, 2011, 14, 1219-1220.	7.1	40
98	Differential age-related decline in conflict-driven task-set shielding from emotional versus non-emotional distracters. Neuropsychologia, 2010, 48, 1697-1706.	0.7	30
99	Motor Control: Exploring the Neurochemistry of Subliminal Inhibition. Current Biology, 2010, 20, R852-R853.	1.8	1
100	Going, going, gone: characterizing the time-course of congruency sequence effects. Frontiers in Psychology, 2010, 1, 154.	1.1	105
101	Expectation and Surprise Determine Neural Population Responses in the Ventral Visual Stream. Journal of Neuroscience, 2010, 30, 16601-16608.	1.7	368
102	A translational bridge between mouse and human models of learned safety. Annals of Medicine, 2010, 42, 127-134.	1.5	51
103	Search for a Threatening Target Triggers Limbic Guidance of Spatial Attention. Journal of Neuroscience, 2009, 29, 10563-10572.	1.7	65
104	Prefrontal cortex and cognitive control: motivating functional hierarchies. Nature Neuroscience, 2009, 12, 821-822.	7.1	51
105	Expectation (and attention) in visual cognition. Trends in Cognitive Sciences, 2009, 13, 403-409.	4.0	749
106	Conflict-driven cognitive control mechanisms in the human brain. Neuroscience Research, 2009, 65, S30.	1.0	0
107	Neural repetition suppression reflects fulfilled perceptual expectations. Nature Neuroscience, 2008, 11, 1004-1006.	7.1	664
108	Multiple conflict-driven control mechanisms in the human brain. Trends in Cognitive Sciences, 2008, 12, 374-380.	4.0	353

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109	Dissociable Neural Systems Resolve Conflict from Emotional versus Nonemotional Distracters. Cerebral Cortex, 2008, 18, 1475-1484.	1.6	422
110	Neural Integration of Top-Down Spatial and Feature-Based Information in Visual Search. Journal of Neuroscience, 2008, 28, 6141-6151.	1.7	176
111	Neural Dynamics of Rejection Sensitivity. Journal of Cognitive Neuroscience, 2007, 19, 945-956.	1.1	189
112	Separate conflict-specific cognitive control mechanisms in the human brain. NeuroImage, 2007, 35, 940-948.	2.1	247
113	Preparatory neural activity predicts performance on a conflict task. Brain Research, 2007, 1176, 92-102.	1.1	14
114	Congruency sequence effects and cognitive control. Cognitive, Affective and Behavioral Neuroscience, 2007, 7, 380-390.	1.0	463
115	Validating the efficacy of neurofeedback for optimising performance. Progress in Brain Research, 2006, 159, 421-431.	0.9	130
116	Resolving Emotional Conflict: A Role for the Rostral Anterior Cingulate Cortex in Modulating Activity in the Amygdala. Neuron, 2006, 51, 871-882.	3.8	1,180
117	Resolving Emotional Conflict: A Role for the Rostral Anterior Cingulate Cortex in Modulating Activity in the Amygdala. Neuron, 2006, 52, 1121.	3.8	24
118	Foundation and Practice of Neurofeedback for the Treatment of Epilepsy. Applied Psychophysiology Biofeedback, 2006, 31, 21-35.	1.0	249
119	Mistaking a House for a Face: Neural Correlates of Misperception in Healthy Humans. Cerebral Cortex, 2006, 16, 500-508.	1.6	100
120	Predictive Codes for Forthcoming Perception in the Frontal Cortex. Science, 2006, 314, 1311-1314.	6.0	480
121	Neurofeedback treatment of epilepsy: from basic rationale to practical application. Expert Review of Neurotherapeutics, 2006, 6, 247-257.	1.4	87
122	Neocortical Connectivity during Episodic Memory Formation. PLoS Biology, 2006, 4, e128.	2.6	96
123	Cognitive control mechanisms resolve conflict through cortical amplification of task-relevant information. Nature Neuroscience, 2005, 8, 1784-1790.	7.1	947
124	Where Memory Meets Attention: Neural Substrates of Negative Priming. Journal of Cognitive Neuroscience, 2005, 17, 1774-1784.	1.1	62
125	The neural correlates and functional integration of cognitive control in a Stroop task. NeuroImage, 2005, 24, 539-547.	2.1	376
126	Intentional false responding shares neural substrates with response conflict and cognitive control. NeuroImage, 2005, 25, 267-277.	2.1	210

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127	Hypnosis decouples cognitive control from conflict monitoring processes of the frontal lobe. NeuroImage, 2005, 27, 969-978.	2.1	198
128	Critical validation studies of neurofeedback. Child and Adolescent Psychiatric Clinics of North America, 2005, 14, 83-104.	1.0	63
129	The Temporal Dynamics of Electroencephalographic Responses to Alpha/Theta Neurofeedback Training in Healthy Subjects. Journal of Neurotherapy, 2004, 8, 43-57.	0.9	27
130	Memory structures for encoding and retrieving a piece of music: an ERP investigation. Cognitive Brain Research, 2004, 22, 36-44.	3.3	31
131	EEG Biofeedback of low beta band components: frequency-specific effects on variables of attention and event-related brain potentials. Clinical Neurophysiology, 2004, 115, 131-139.	0.7	351
132	The effects of neurofeedback training on the spectral topography of the electroencephalogram. Clinical Neurophysiology, 2004, 115, 2452-2460.	0.7	100
133	The effect of training distinct neurofeedback protocols on aspects of cognitive performance. International Journal of Psychophysiology, 2003, 47, 75-85.	0.5	381
134	Ecological validity of neurofeedback. NeuroReport, 2003, 14, 1221-1224.	0.6	196
135	Ecological validity of neurofeedback: modulation of slow wave EEG enhances musical performance. NeuroReport, 2003, 14, 1221-4.	0.6	86
136	EEG signature and phenomenology of alpha/theta neurofeedback training versus mock feedback. Applied Psychophysiology Biofeedback, 2002, 27, 261-270.	1.0	98
137	Learned self-regulation of EEG frequency components affects attention and event-related brain potentials in humans. NeuroReport, 2001, 12, 4155-4159.	0.6	233