Hannes Ruge

List of Publications by Year
in descending order

52 papers	1,404 citations	430874 18 h-index	361022 35 g-index
58 all docs	58 docs citations	58 times ranked	1554 citing authors

#	Article	IF	Citations
1	Integration and segregation of large-scale brain networks during short-term task automatization. Nature Communications, 2016, 7, 13217.	12.8	127
2	Rapid Formation of Pragmatic Rule Representations in the Human Brain during Instruction-Based Learning. Cerebral Cortex, 2010, 20, 1656-1667.	2.9	122
3	Advance preparation in task-switching: converging evidence from behavioral, brain activation, and model-based approaches. Frontiers in Psychology, 2010, 1, 25.	2.1	118
4	The many faces of preparatory control in task switching: Reviewing a decade of fMRI research. Human Brain Mapping, 2013, 34, 12-35.	3.6	115
5	When the same response has different meanings:. NeuroImage, 2003, 20, 1026-1031.	4.2	95
6	Advance preparation and stimulus-induced interference in cued task switching: further insights from BOLD fMRI. Neuropsychologia, 2005, 43, 340-355.	1.6	82
7	On the timescale of stimulus-based actionâ€“effect learning. Quarterly Journal of Experimental Psychology, 2011, 64, 1273-1289.	1.1	65
8	The functional neuroanatomy of spontaneous retrieval and strategic monitoring of delayed intentions. Neuropsychologia, 2014, 52, 37-50.	1.6	60
9	Functional integration processes underlying the instruction-based learning of novel goal-directed behaviors. NeuroImage, 2013, 68, 162-172.	4.2	41
10	Sparse regularization techniques provide novel insights into outcome integration processes. NeuroImage, 2015, 104, 163-176.	4.2	41
11	Frontostriatal Mechanisms in Instruction-Based Learning as a Hallmark of Flexible Goal-Directed Behavior. Frontiers in Psychology, 2012, 3, 192.	2.1	40
12	Attention, intention, and strategy in preparatory control. Neuropsychologia, 2009, 47, 1670-1685.	1.6	34
13	Effects of Ginkgo biloba extract EGb 761Â® on cognitive control functions, mental activity of the prefrontal cortex and stress reactivity in elderly adults with subjective memory impairment â€“ a randomized doubleâ€blind placeboâ€controlled trial. Human Psychopharmacology, 2016, 31, 227-242.	1.5	34
14	Equivalence of cognitive processes in brain imaging and behavioral studies: evidence from task switching. NeuroImage, 2003, 20, 572-577.	4.2	32
15	Dynamic goal states: Adjusting cognitive control without conflict monitoring. NeuroImage, 2012, 63, 126-136.	4.2	32
16	No anticipation without intention: Responseâ€“effect compatibility in effect-based and stimulus-based actions. Acta Psychologica, 2013, 144, 628-634.	1.5	25
17	Habit strength is predicted by activity dynamics in goal-directed brain systems during training. NeuroImage, 2018, 165, 125-137.	4.2	24
18	Priming of visual cortex by temporal attention? The effects of temporal predictability on stimulus(-specific) processing in early visual cortical areas. NeuroImage, 2013, 66, 261-269.	4.2	22

#	Article	IF	Citations
19	Distinct fronto-striatal couplings reveal the double-faced nature of responseâ€“outcome relations in instruction-based learning. Cognitive, Affective and Behavioral Neuroscience, 2015, 15, 349-364.	2.0	22
20	Distinct contributions of lateral orbito-frontal cortex, striatum, and fronto-parietal network regions for rule encoding and control of memory-based implementation during instructed reversal learning. NeuroImage, 2016, 125, 1-12.	4.2	21
21	Neural mechanisms of goal-directed behavior: outcome-based response selection is associated with increased functional coupling of the angular gyrus. Frontiers in Human Neuroscience, 2015, 9, 180.	2.0	20
22	Separating event-related BOLD components within trials: The partial-trial design revisited. NeuroImage, 2009, 47, 501-513.	4.2	19
23	Neural representation of newly instructed rule identities during early implementation trials. ELife, 2019, 8, .	6.0	19
24	Attentional set mixing: Effects on target selection and selective response activation. Psychophysiology, 2006, 43, 413-421.	2.4	17
25	Anticipating the consequences of action: An fMRI study of intention-based task preparation. Psychophysiology, 2010, 47, no-no.	2.4	17
26	Event-related analysis for event types of fixed order and restricted spacing by temporal quantification of trial-averaged fMRI time courses. Journal of Magnetic Resonance Imaging, 2003, 18, 599-607.	3.4	14
27	On the efficiency of instruction-based rule encoding. Acta Psychologica, 2018, 184, 4-19.	1.5	14
28	Brain-Electrical Correlates of Negative Location Priming Under Sustained and Transient Attentional Context Conditions. Journal of Psychophysiology, 2006, 20, 160-169.	0.7	13
29	Towards an understanding of the neural dynamics of intentional learning: Considering the timescale. NeuroImage, 2016, 142, 668-673.	4.2	12
30	Early Markers of Ongoing Action-Effect Learning. Frontiers in Psychology, 2012, 3, 522.	2.1	11
31	Response selection difficulty modulates the behavioral impact of rapidly learnt action effects. Frontiers in Psychology, 2014, 5, 1382.	2.1	11
32	Large-scale coupling dynamics of instructed reversal learning. NeuroImage, 2018, 167, 237-246.	4.2	10
33	When global rule reversal meets local task switching: The neural mechanisms of coordinated behavioral adaptation to instructed multiâ€level demand changes. Human Brain Mapping, 2018, 39, 735-746.	3.6	10
34	Deterministic response strategies in a trial-and-error learning task. PLoS Computational Biology, 2018, 14, e1006621.	3.2	10
35	Neural Mechanisms of Cognitive Control in Cued Taskâ€Switching: Rules, Representations, and Preparation. , 2007, , 255-282.		8
36	The neural basis of integrating pre- and post-response information for goal-directed actions. Neuropsychologia, 2016, 80, 56-70.	1.6	5

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37	Fast Estimation of L1-Regularized Linear Models in the Mass-Univariate Setting. Neuroinformatics, 2021, 19, 385-392.	2.8	5
38	Real-Life Self-Control is Predicted by Parietal Activity During Preference Decision Making: A Brain Decoding Analysis. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 936-947.	2.0	5
39	Rapid instruction-based task learning (RITL) in schizophrenia.. Journal of Abnormal Psychology, 2018, 127, 513-528.	1.9	5
40	Brain state kinematics and the trajectory of task performance improvement. NeuroImage, 2021, 243, 118510.	4.2	4
41	Aberrant neural representation of food stimuli in women with acute anorexia nervosa predicts treatment outcome and is improved in weight restored individuals. Translational Psychiatry, 2021, 11, 532.	4.8	4
42	Unbiased Analysis of Item-Specific Multi-Voxel Activation Patterns Across Learning. Frontiers in Neuroscience, 2018, 12, 723.	2.8	3
43	Disrupted Salience and Cingulo-Opercular Network Connectivity During Impaired Rapid Instructed Task Learning in Schizophrenia. Clinical Psychological Science, 2021, 9, 210-221.	4.0	3
44	Low-Frequency TMS Results in Condition-Related Dynamic Activation Changes of Stimulated and Contralateral Inferior Parietal Lobule. Frontiers in Human Neuroscience, 2021, 15, 684367.	2.0	3
45	Costly habitual avoidance is reduced by concurrent goal-directed approach in a modified devaluation paradigm. Behaviour Research and Therapy, 2021, 146, 103964.	3.1	3
46	Deep neural networks can predict human behavior in arcade games. , 2019, , .		2
47	Modification of response time variability in a decision-making task. NeuroReport, 2008, 19, 1321-1324.	1.2	1
48	Learning-Related Brain-Electrical Activity Dynamics Associated with the Subsequent Impact of Learnt Action-Outcome Associations. Frontiers in Human Neuroscience, 2017, 11, 252.	2.0	1
49	S160. Disrupted Salience and Cingulo-Opercular Network Connectivity Underlies Impaired Rapid Task-Learning in Schizophrenia. Biological Psychiatry, 2019, 85, S359.	1.3	0
50	Humans can outperform Q-learning in terms of learning efficiency. , 2018, , .		0
51	The cingulo-opercular network controls stimulus-response transformations with increasing efficiency over the course of learning. , 2019, , .		0
52	Instructing item-specific switch probability: expectations modulate stimulusâ€“action priming. Psychological Research, 2022, , 1.	1.7	0