Esther Aarts

List of Publications by Year
in descending order

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61 papers	3,147 citations	147801 31 h-index	161849 54 g-index
80 all docs	80 docs citations	80 times ranked	5004 citing authors

#	Article	IF	Citations
1	Probiotics-induced changes in gut microbial composition and its effects on cognitive performance after stress: exploratory analyses. Translational Psychiatry, 2021, 11, 300.	4.8	50
2	Sex Differences and the Role of Gaming Experience in Spatial Cognition Performance in Primary School Children: An Exploratory Study. Brain Sciences, 2021, 11, 886.	2.3	3
3	Correlation between brain function and ADHD symptom changes in children with ADHD following a few-foods diet: an open-label intervention trial. Scientific Reports, 2021, 11, 22205.	3.3	5
4	Protocol of the Healthy Brain Study: An accessible resource for understanding the human brain and how it dynamically and individually operates in its bio-social context. PLoS ONE, 2021, 16, e0260952.	2.5	8
5	The cognitive effects of a promised bonus do not depend on dopamine synthesis capacity. Scientific Reports, 2020, 10, 16473.	3.3	4
6	Distraction decreases rIFG-putamen connectivity during goal-directed effort for food rewards. Scientific Reports, 2020, 10, 19072.	3.3	3
7	What Should I Eat and Why? The Environmental, Genetic, and Behavioral Determinants of Food Choice: Summary from a Pennington Scientific Symposium. Obesity, 2020, 28, 1386-1396.	3.0	12
8	Effects of distraction on taste-related neural processing: a cross-sectional fMRI study. American Journal of Clinical Nutrition, 2020, 111, 950-961.	4.7	19
9	Investigating the Gut Microbiota Composition of Individuals with Attention-Deficit/Hyperactivity Disorder and Association with Symptoms. Microorganisms, 2020, 8, 406.	3.6	57
10	Probiotic-Induced Changes in Gut Microbial Composition Relate to its Buffering Effect Against the Negative Consequences of Stress on Cognitive Performance. Biological Psychiatry, 2020, 87, S325.	1.3	0
11	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. PLoS ONE, 2020, 15, e0229294.	2.5	9
12	Comparison of explicit vs. implicit measurements in predicting food purchases. Food Quality and Preference, 2019, 78, 103733.	4.6	7
13	Biomarker Research in ADHD: the Impact of Nutrition (BRAIN) - study protocol of an open-label trial to investigate the mechanisms underlying the effects of a few-foods diet on ADHD symptoms in children. BMJ Open, 2019, 9, e029422.	1.9	8
14	Dopamine and the motivation of cognitive control. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 123-143.	1.8	47
15	Study rationale and protocol of the BARICO study: a longitudinal, prospective, observational study to evaluate the effects of weight loss on brain function and structure after bariatric surgery. BMJ Open, 2019, 9, e025464.	1.9	8
16	Stress matters: Randomized controlled trial on the effect of probiotics on neurocognition. Neurobiology of Stress, 2019, 10, 100141.	4.0	73
17	Increasing reproducibility and interpretability of microbiota-gut-brain studies on human neurocognition and intermediary microbial metabolites. Behavioral and Brain Sciences, 2019, 42, .	0.7	1
18	Controlling striatal function via anterior frontal cortex stimulation. Scientific Reports, 2018, 8, 3312.	3.3	14

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19	Greater mindful eating practice is associated with better reversal learning. Scientific Reports, 2018, 8, 5702.	3.3	8
20	Top-down expectation effects of food labels on motivation. NeuroImage, 2018, 173, 13-24.	4.2	19
21	Anterior cingulate cortex glutamate and its association with striatal functioning during cognitive control. European Neuropsychopharmacology, 2018, 28, 381-391.	0.7	21
22	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. Ageing Research Reviews, 2018, 42, 40-55.	10.9	136
23	Enhanced food-related responses in the ventral medial prefrontal cortex in narcolepsy type 1. Scientific Reports, 2018, 8, 16391.	3.3	12
24	Enhanced motivation of cognitive control in Parkinson's disease. European Journal of Neuroscience, 2018, 48, 2374-2384.	2.6	14
25	Neuro-Cognitive Effects of Acute Tyrosine Administration on Reactive and Proactive Response Inhibition in Healthy Older Adults. ENeuro, 2018, 5, ENEURO.0035-17.2018.	1.9	18
26	The Cognitive Drivers of Compulsive Eating Behavior. Frontiers in Behavioral Neuroscience, 2018, 12, 338.	2.0	34
27	Dopamine controls Parkinsonâ€™s tremor by inhibiting the cerebellar thalamus. Brain, 2017, 140, aww331.	7.6	101
28	Impaired dual tasking in Parkinsonâ€™s disease is associated with reduced focusing of cortico-striatal activity. Brain, 2017, 140, 1384-1398.	7.6	72
29	Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. Journal of Neuroscience, 2017, 37, 4405-4415.	3.6	50
30	Loss of lateral prefrontal cortex control in food-directed attention and goal-directed food choice in obesity. NeuroImage, 2017, 146, 148-156.	4.2	65
31	Dose-Dependent Effects of Oral Tyrosine Administration on Plasma Tyrosine Levels and Cognition in Aging. Nutrients, 2017, 9, 1279.	4.1	24
32	Gut microbiome in ADHD and its relation to neural reward anticipation. PLoS ONE, 2017, 12, e0183509.	2.5	215
33	Health interest modulates brain reward responses to a perceived low-caloric beverage in females.. Health Psychology, 2017, 36, 65-72.	1.6	5
34	Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. Journal of Neurophysiology, 2016, 115, 1146-1156.	1.8	40
35	The Cerebral Network of Parkinson's Tremor: An Effective Connectivity fMRI Study. Journal of Neuroscience, 2016, 36, 5362-5372.	3.6	104
36	Posterior resting state EEG asymmetries are associated with hedonic valuation of food. International Journal of Psychophysiology, 2016, 110, 40-46.	1.0	20

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37	Contrasting neural effects of aging on proactive and reactive response inhibition. Neurobiology of Aging, 2016, 46, 96-106.	3.1	36
38	Aberrant Food Choices after Satiation in Human Orexin-Deficient Narcolepsy Type 1. Sleep, 2016, 39, 1951-1959.	1.1	34
39	Reward modulation of cognitive function in adult attention-deficit/hyperactivity disorder. Behavioural Pharmacology, 2015, 26, 227-240.	1.7	35
40	Influence of Motivation on Control Hierarchy in the Human Frontal Cortex. Journal of Neuroscience, 2015, 35, 3207-3217.	3.6	67
41	Genotype status of the dopamine-related catechol-O-methyltransferase (COMT) gene corresponds with desirability of â€œunhealthyâ€•foods. Appetite, 2015, 92, 74-80.	3.7	14
42	Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. Psychopharmacology, 2015, 232, 1061-1070.	3.1	33
43	Neuroimaging and neuromodulation approaches to study eating behavior and prevent and treat eating disorders and obesity. NeuroImage: Clinical, 2015, 8, 1-31.	2.7	351
44	Dorsal Striatal Dopamine, Food Preference and Health Perception in Humans. PLoS ONE, 2014, 9, e96319.	2.5	19
45	Dopamine and the Cognitive Downside of a Promised Bonus. Psychological Science, 2014, 25, 1003-1009.	3.3	55
46	Greater striatal responses to medication in Parkinson×³s disease are associated with better task-switching but worse reward performance. Neuropsychologia, 2014, 62, 390-397.	1.6	54
47	The dopamine transporter haplotype and reward-related striatal responses in adult ADHD. European Neuropsychopharmacology, 2013, 23, 469-478.	0.7	44
48	Aberrant reward processing in Parkinson's disease is associated with dopamine cell loss. NeuroImage, 2012, 59, 3339-3346.	4.2	58
49	Decomposing effects of dopaminergic medication in Parkinsonâ€™s disease on probabilistic action selection â€“ learning or performance?. European Journal of Neuroscience, 2012, 35, 1144-1151.	2.6	73
50	Striatal Dopamine and the Interface between Motivation and Cognition. Frontiers in Psychology, 2011, 2, 163.	2.1	177
51	Human cognitive flexibility depends on dopamine D2 receptor signaling. Psychopharmacology, 2011, 218, 567-578.	3.1	109
52	Nitric Oxide Synthase Genotype Modulation of Impulsivity and Ventral Striatal Activity in Adult ADHD Patients and Healthy Comparison Subjects. American Journal of Psychiatry, 2011, 168, 1099-1106.	7.2	92
53	Attentional Control in Anterior Cingulate Cortex Based on Probabilistic Cueing. Journal of Cognitive Neuroscience, 2011, 23, 716-727.	2.3	51
54	Dopaminergic Modulation of Cognitive Control: Distinct Roles for the Prefrontal Cortex and the Basal Ganglia. Current Pharmaceutical Design, 2010, 16, 2026-2032.	1.9	94

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55	Striatal Dopamine Mediates the Interface between Motivational and Cognitive Control in Humans: Evidence from Genetic Imaging. Neuropsychopharmacology, 2010, 35, 1943-1951.	5.4	141
56	Increased Dependence of Action Selection on Recent Motor History in Parkinson's Disease. Journal of Neuroscience, 2009, 29, 6105-6113.	3.6	64
57	Attentional control of task and response in lateral and medial frontal cortex: Brain activity and reaction time distributions. Neuropsychologia, 2009, 47, 2089-2099.	1.6	74
58	Parsing the role of dopamine in human reward and its cognitive consequences using genetic imaging. NeuroImage, 2009, 47, S138.	4.2	0
59	Anticipatory Activity in Anterior Cingulate Cortex Can Be Independent of Conflict and Error Likelihood. Journal of Neuroscience, 2008, 28, 4671-4678.	3.6	131
60	Treating Erectile Dysfunction through Electronic Consultation: A Pilot Study. Journal of Sex and Marital Therapy, 2006, 32, 401-407.	1.5	33
61	Neuro-Cognitive Effects of Acute Tyrosine Administration on Reactive and Proactive Response Inhibition in Healthy Older Adults. SSRN Electronic Journal, 0, , .	0.4	0