

# Esther Aarts

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Neuroimaging and neuromodulation approaches to study eating behavior and prevent and treat eating disorders and obesity. <i>NeuroImage: Clinical</i> , 2015, 8, 1-31.	2.7	351
2	Gut microbiome in ADHD and its relation to neural reward anticipation. <i>PLoS ONE</i> , 2017, 12, e0183509.	2.5	215
3	Striatal Dopamine and the Interface between Motivation and Cognition. <i>Frontiers in Psychology</i> , 2011, 2, 163.	2.1	177
4	Striatal Dopamine Mediates the Interface between Motivational and Cognitive Control in Humans: Evidence from Genetic Imaging. <i>Neuropsychopharmacology</i> , 2010, 35, 1943-1951.	5.4	141
5	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. <i>Ageing Research Reviews</i> , 2018, 42, 40-55.	10.9	136
6	Anticipatory Activity in Anterior Cingulate Cortex Can Be Independent of Conflict and Error Likelihood. <i>Journal of Neuroscience</i> , 2008, 28, 4671-4678.	3.6	131
7	Human cognitive flexibility depends on dopamine D2 receptor signaling. <i>Psychopharmacology</i> , 2011, 218, 567-578.	3.1	109
8	The Cerebral Network of Parkinson's Tremor: An Effective Connectivity fMRI Study. <i>Journal of Neuroscience</i> , 2016, 36, 5362-5372.	3.6	104
9	Dopamine controls Parkinson's tremor by inhibiting the cerebellar thalamus. <i>Brain</i> , 2017, 140, aww331.	7.6	101
10	Dopaminergic Modulation of Cognitive Control: Distinct Roles for the Prefrontal Cortex and the Basal Ganglia. <i>Current Pharmaceutical Design</i> , 2010, 16, 2026-2032.	1.9	94
11	Nitric Oxide Synthase Genotype Modulation of Impulsivity and Ventral Striatal Activity in Adult ADHD Patients and Healthy Comparison Subjects. <i>American Journal of Psychiatry</i> , 2011, 168, 1099-1106.	7.2	92
12	Attentional control of task and response in lateral and medial frontal cortex: Brain activity and reaction time distributions. <i>Neuropsychologia</i> , 2009, 47, 2089-2099.	1.6	74
13	Decomposing effects of dopaminergic medication in Parkinson's disease on probabilistic action selection – learning or performance?. <i>European Journal of Neuroscience</i> , 2012, 35, 1144-1151.	2.6	73
14	Stress matters: Randomized controlled trial on the effect of probiotics on neurocognition. <i>Neurobiology of Stress</i> , 2019, 10, 100141.	4.0	73
15	Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. <i>Brain</i> , 2017, 140, 1384-1398.	7.6	72
16	Influence of Motivation on Control Hierarchy in the Human Frontal Cortex. <i>Journal of Neuroscience</i> , 2015, 35, 3207-3217.	3.6	67
17	Loss of lateral prefrontal cortex control in food-directed attention and goal-directed food choice in obesity. <i>NeuroImage</i> , 2017, 146, 148-156.	4.2	65
18	Increased Dependence of Action Selection on Recent Motor History in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2009, 29, 6105-6113.	3.6	64

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19	Aberrant reward processing in Parkinson's disease is associated with dopamine cell loss. <i>NeuroImage</i> , 2012, 59, 3339-3346.	4.2	58
20	Investigating the Gut Microbiota Composition of Individuals with Attention-Deficit/Hyperactivity Disorder and Association with Symptoms. <i>Microorganisms</i> , 2020, 8, 406.	3.6	57
21	Dopamine and the Cognitive Downside of a Promised Bonus. <i>Psychological Science</i> , 2014, 25, 1003-1009.	3.3	55
22	Greater striatal responses to medication in Parkinson's disease are associated with better task-switching but worse reward performance. <i>Neuropsychologia</i> , 2014, 62, 390-397.	1.6	54
23	Attentional Control in Anterior Cingulate Cortex Based on Probabilistic Cueing. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 716-727.	2.3	51
24	Cholinergic, But Not Dopaminergic or Noradrenergic, Enhancement Sharpens Visual Spatial Perception in Humans. <i>Journal of Neuroscience</i> , 2017, 37, 4405-4415.	3.6	50
25	Probiotics-induced changes in gut microbial composition and its effects on cognitive performance after stress: exploratory analyses. <i>Translational Psychiatry</i> , 2021, 11, 300.	4.8	50
26	Dopamine and the motivation of cognitive control. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2019, 163, 123-143.	1.8	47
27	The dopamine transporter haplotype and reward-related striatal responses in adult ADHD. <i>European Neuropsychopharmacology</i> , 2013, 23, 469-478.	0.7	44
28	Modulation of impulsivity and reward sensitivity in intertemporal choice by striatal and midbrain dopamine synthesis in healthy adults. <i>Journal of Neurophysiology</i> , 2016, 115, 1146-1156.	1.8	40
29	Contrasting neural effects of aging on proactive and reactive response inhibition. <i>Neurobiology of Aging</i> , 2016, 46, 96-106.	3.1	36
30	Reward modulation of cognitive function in adult attention-deficit/hyperactivity disorder. <i>Behavioural Pharmacology</i> , 2015, 26, 227-240.	1.7	35
31	Aberrant Food Choices after Satiating in Human Orexin-Deficient Narcolepsy Type 1. <i>Sleep</i> , 2016, 39, 1951-1959.	1.1	34
32	The Cognitive Drivers of Compulsive Eating Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 338.	2.0	34
33	Treating Erectile Dysfunction through Electronic Consultation: A Pilot Study. <i>Journal of Sex and Marital Therapy</i> , 2006, 32, 401-407.	1.5	33
34	Dopaminergic modulation of distracter-resistance and prefrontal delay period signal. <i>Psychopharmacology</i> , 2015, 232, 1061-1070.	3.1	33
35	Dose-Dependent Effects of Oral Tyrosine Administration on Plasma Tyrosine Levels and Cognition in Aging. <i>Nutrients</i> , 2017, 9, 1279.	4.1	24
36	Anterior cingulate cortex glutamate and its association with striatal functioning during cognitive control. <i>European Neuropsychopharmacology</i> , 2018, 28, 381-391.	0.7	21

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37	Posterior resting state EEG asymmetries are associated with hedonic valuation of food. <i>International Journal of Psychophysiology</i> , 2016, 110, 40-46.	1.0	20
38	Dorsal Striatal Dopamine, Food Preference and Health Perception in Humans. <i>PLoS ONE</i> , 2014, 9, e96319.	2.5	19
39	Top-down expectation effects of food labels on motivation. <i>NeuroImage</i> , 2018, 173, 13-24.	4.2	19
40	Effects of distraction on taste-related neural processing: a cross-sectional fMRI study. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 950-961.	4.7	19
41	Neuro-Cognitive Effects of Acute Tyrosine Administration on Reactive and Proactive Response Inhibition in Healthy Older Adults. <i>ENeuro</i> , 2018, 5, ENEURO.0035-17.2018.	1.9	18
42	Genotype status of the dopamine-related catechol-O-methyltransferase (COMT) gene corresponds with desirability of "unhealthy" foods. <i>Appetite</i> , 2015, 92, 74-80.	3.7	14
43	Controlling striatal function via anterior frontal cortex stimulation. <i>Scientific Reports</i> , 2018, 8, 3312.	3.3	14
44	Enhanced motivation of cognitive control in Parkinson's disease. <i>European Journal of Neuroscience</i> , 2018, 48, 2374-2384.	2.6	14
45	Enhanced food-related responses in the ventral medial prefrontal cortex in narcolepsy type 1. <i>Scientific Reports</i> , 2018, 8, 16391.	3.3	12
46	What Should I Eat and Why? The Environmental, Genetic, and Behavioral Determinants of Food Choice: Summary from a Pennington Scientific Symposium. <i>Obesity</i> , 2020, 28, 1386-1396.	3.0	12
47	Catecholaminergic modulation of the cost of cognitive control in healthy older adults. <i>PLoS ONE</i> , 2020, 15, e0229294.	2.5	9
48	Greater mindful eating practice is associated with better reversal learning. <i>Scientific Reports</i> , 2018, 8, 5702.	3.3	8
49	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. <i>BMJ Open</i> , 2019, 9, e029422.	1.9	8
50	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. <i>BMJ Open</i> , 2019, 9, e025464.	1.9	8
51	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. <i>PLoS ONE</i> , 2021, 16, e0260952.	2.5	8
52	Comparison of explicit vs. implicit measurements in predicting food purchases. <i>Food Quality and Preference</i> , 2019, 78, 103733.	4.6	7
53	Health interest modulates brain reward responses to a perceived low-caloric beverage in females. <i>Health Psychology</i> , 2017, 36, 65-72.	1.6	5
54	Correlation between brain function and ADHD symptom changes in children with ADHD following a few-foods diet: an open-label intervention trial. <i>Scientific Reports</i> , 2021, 11, 22205.	3.3	5

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55	The cognitive effects of a promised bonus do not depend on dopamine synthesis capacity. Scientific Reports, 2020, 10, 16473.	3.3	4
56	Distraction decreases rIFG-putamen connectivity during goal-directed effort for food rewards. Scientific Reports, 2020, 10, 19072.	3.3	3
57	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
58	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
59	Parsing the role of dopamine in human reward and its cognitive consequences using genetic imaging. NeuroImage, 2009, 47, S138.	4.2	0
60	Neuro-Cognitive Effects of Acute Tyrosine Administration on Reactive and Proactive Response Inhibition in Healthy Older Adults. SSRN Electronic Journal, 0, , .	0.4	0
61	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