

Annette Horstmann

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

4,712
citations

145106

33
h-index

124990

64
g-index

110
all docs

110
docs citations

110
times ranked

8040
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain response to food odors is not associated with body mass index and obesity-related metabolic health measures. <i>Appetite</i> , 2022, 168, 105774.	1.8	10
2	Molecular Imaging of Central Dopamine in Obesity: A Qualitative Review across Substrates and Radiotracers. <i>Brain Sciences</i> , 2022, 12, 486.	1.1	15
3	Metabolic Profile and Metabolite Analyses in Extreme Weight Responders to Gastric Bypass Surgery. <i>Metabolites</i> , 2022, 12, 417.	1.3	5
4	Feasibility and utility of amygdala neurofeedback. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104694.	2.9	10
5	Die wissenschaftliche Evaluierung von zanadio " einer digitalen Gesundheitsanwendung für Menschen mit Adipositas. <i>Diabetologie Und Stoffwechsel</i> , 2022, , .	0.0	0
6	Increased Brain Reward Responsivity to Food-Related Odors in Obesity. <i>Obesity</i> , 2021, 29, 1138-1145.	1.5	29
7	Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior. <i>Translational Psychiatry</i> , 2021, 11, 500.	2.4	51
8	Loss of control over eating: A systematic review of task based research into impulsive and compulsive processes in binge eating. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 129, 330-350.	2.9	15
9	46 " Die wissenschaftliche Evaluierung von zanadio " einem ganzheitlichen, digitalen Behandlungsprogramm für Menschen mit Adipositas. , 2021, 15, .		0
10	Rapid Assessment of Olfactory Sensitivity Using the "Sniffin"™ Sticks". <i>Chemosensory Perception</i> , 2020, 13, 37-44.	0.7	6
11	Liking and left amygdala activity during food versus nonfood processing are modulated by emotional context. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2020, 20, 91-102.	1.0	11
12	Characterizing impulsivity and resting-state functional connectivity in normal-weight binge eaters. <i>International Journal of Eating Disorders</i> , 2020, 53, 478-488.	2.1	16
13	Hemispheric asymmetries in resting-state EEG and fMRI are related to approach and avoidance behaviour, but not to eating behaviour or BMI. <i>Human Brain Mapping</i> , 2020, 41, 1136-1152.	1.9	14
14	Reduced Olfactory Bulb Volume in Obesity and Its Relation to Metabolic Health Status. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 586998.	1.0	19
15	The Aetiology of Olfactory Dysfunction and Its Relationship to Diet Quality. <i>Brain Sciences</i> , 2020, 10, 769.	1.1	14
16	Insulin Resistance Is Associated with Reduced Food Odor Sensitivity across a Wide Range of Body Weights. <i>Nutrients</i> , 2020, 12, 2201.	1.7	22
17	Preliminary evidence for an association between intake of high-fat high-sugar diet, variations in peripheral dopamine precursor availability and dopamine-dependent cognition in humans. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12917.	1.2	20
18	Automatic and Controlled Processing: Implications for Eating Behavior. <i>Nutrients</i> , 2020, 12, 1097.	1.7	17

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19	Reliance on model-based and model-free control in obesity. <i>Scientific Reports</i> , 2020, 10, 22433.	1.6	6
20	Dopamine release, diffusion and uptake: A computational model for synaptic and volume transmission. <i>PLoS Computational Biology</i> , 2020, 16, e1008410.	1.5	17
21	A mind-brain-body dataset of MRI, EEG, cognition, emotion, and peripheral physiology in young and old adults. <i>Scientific Data</i> , 2019, 6, 180308.	2.4	188
22	Lost in Translation? On the Need for Convergence in Animal and Human Studies on the Role of Dopamine in Diet-Induced Obesity. <i>Current Addiction Reports</i> , 2019, 6, 229-257.	1.6	11
23	Psychometric Evaluation of the German Version of the Dietary Fat and Free Sugar-Short Questionnaire. <i>Obesity Facts</i> , 2019, 12, 518-528.	1.6	15
24	(Epi)genetic regulation of CRTC1 in human eating behaviour and fat distribution. <i>EBioMedicine</i> , 2019, 44, 476-488.	2.7	12
25	Unhealthy yet Avoidable—How Cognitive Bias Modification Alters Behavioral and Brain Responses to Food Cues in Individuals with Obesity. <i>Nutrients</i> , 2019, 11, 874.	1.7	27
26	Appetitive Pavlovian-to-Instrumental Transfer in Participants with Normal-Weight and Obesity. <i>Nutrients</i> , 2019, 11, 1037.	1.7	20
27	The impulsive brain: Neural underpinnings of binge eating behavior in normal-weight adults. <i>Appetite</i> , 2019, 136, 33-49.	1.8	38
28	Adipositas, Kognition und Entscheidungsverhalten. , 2019, , 101-113.		1
29	Retraining automatic action tendencies in obesity. <i>Physiology and Behavior</i> , 2018, 192, 50-58.	1.0	81
30	Altered monetary loss processing and reinforcement-based learning in individuals with obesity. <i>Brain Imaging and Behavior</i> , 2018, 12, 1431-1449.	1.1	31
31	Intermittent compared to continuous real-time fMRI neurofeedback boosts control over amygdala activation. <i>NeuroImage</i> , 2018, 166, 198-208.	2.1	45
32	Dorsolateral and medial prefrontal cortex mediate the influence of incidental priming on economic decision making in obesity. <i>Scientific Reports</i> , 2018, 8, 17595.	1.6	19
33	Keeping track of promised rewards: Obesity predicts enhanced flexibility when learning from observation. <i>Appetite</i> , 2018, 131, 117-124.	1.8	19
34	It wasn't me; it was my brain — Obesity-associated characteristics of brain circuits governing decision-making. <i>Physiology and Behavior</i> , 2017, 176, 125-133.	1.0	33
35	Cause or consequence? Investigating attention bias and self-regulation skills in children at risk for obesity. <i>Journal of Experimental Child Psychology</i> , 2017, 155, 113-127.	0.7	8
36	Parasympathetic cardio-regulation during social interactions in individuals with obesity—The influence of negative body image. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 330-347.	1.0	7

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37	Failing to learn from negative prediction errors: Obesity is associated with alterations in a fundamental neural learning mechanism. <i>Cortex</i> , 2017, 95, 222-237.	1.1	42
38	Effects of psychological eating behaviour domains on the association between socio-economic status and BMI. <i>Public Health Nutrition</i> , 2017, 20, 2706-2712.	1.1	17
39	The role of dopamine in positive and negative prediction error utilization during incidental learning â€œ Insights from Positron Emission Tomography, Parkinson's disease and Huntington's disease. <i>Cortex</i> , 2017, 90, 149-162.	1.1	19
40	Random Projection for Fast and Efficient Multivariate Correlation Analysis of High-Dimensional Data: A New Approach. <i>Frontiers in Genetics</i> , 2016, 7, 102.	1.1	5
41	General Habit Propensity Relates to the Sensation Seeking Subdomain of Impulsivity But Not Obesity. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 213.	1.0	17
42	Slips of Action and Sequential Decisions: A Cross-Validation Study of Tasks Assessing Habitual and Goal-Directed Action Control. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 234.	1.0	29
43	Differential heart rate responses to social and monetary reinforcement in women with obesity. <i>Psychophysiology</i> , 2016, 53, 868-879.	1.2	11
44	Neural processing of negative emotional stimuli and the influence of age, sex and task-related characteristics. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 773-793.	2.9	104
45	Leptin Substitution in Patients With Lipodystrophy: Neural Correlates for Long-term Success in the Normalization of Eating Behavior. <i>Diabetes</i> , 2016, 65, 2179-2186.	0.3	28
46	Stopping at the sight of food â€œ How gender and obesity impact on response inhibition. <i>Appetite</i> , 2016, 107, 663-676.	1.8	22
47	Functional neuroimaging in obesity and the potential for development of novel treatments. <i>Lancet Diabetes and Endocrinology</i> , 2016, 4, 695-705.	5.5	36
48	Brain regulation of food craving: relationships with weight status and eating behavior. <i>International Journal of Obesity</i> , 2016, 40, 982-989.	1.6	51
49	Higher body mass index in older adults is associated with lower gray matter volume: implications for memory performance. <i>Neurobiology of Aging</i> , 2016, 40, 1-10.	1.5	84
50	Argument for a nonâ€œlinear relationship between severity of human obesity and dopaminergic tone. <i>Obesity Reviews</i> , 2015, 16, 821-830.	3.1	89
51	Incidental rewarding cues influence economic decisions in people with obesity. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 278.	1.0	30
52	Physical exercise in overweight to obese individuals induces metabolic- and neurotrophic-related structural brain plasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 372.	1.0	61
53	Flexible Adaptive Paradigms for fMRI Using a Novel Software Package â€œBrain Analysis in Real-Timeâ€™ (BART). <i>PLoS ONE</i> , 2015, 10, e0118890.	1.1	12
54	Eating Behaviour in the General Population: An Analysis of the Factor Structure of the German Version of the Three-Factor-Eating-Questionnaire (TFEQ) and Its Association with the Body Mass Index. <i>PLoS ONE</i> , 2015, 10, e0133977.	1.1	69

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55	Comparison of variants of canonical correlation analysis and partial least squares for combined analysis of MRI and genetic data. <i>NeuroImage</i> , 2015, 107, 289-310.	2.1	54
56	Identifying neural correlates of memory and language disturbances in herpes simplex encephalitis: a voxel-based morphometry (VBM) study. <i>Journal of Neurology</i> , 2015, 262, 563-569.	1.8	12
57	Role of genetic variants in ADIPOQ in human eating behavior. <i>Genes and Nutrition</i> , 2015, 10, 449.	1.2	32
58	Functional network centrality in obesity: A resting-state and task fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 331-338.	0.9	75
59	Slave to habit? Obesity is associated with decreased behavioural sensitivity to reward devaluation. <i>Appetite</i> , 2015, 87, 175-183.	1.8	99
60	Age- and gender-specific norms for the German version of the Three-Factor Eating-Questionnaire (TFEQ). <i>Appetite</i> , 2015, 91, 241-247.	1.8	31
61	Genetic variants in AKR1B10 associate with human eating behavior. <i>BMC Genetics</i> , 2015, 16, 31.	2.7	7
62	Distinctive striatal dopamine signaling after dieting and gastric bypass. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 223-230.	3.1	12
63	Lateral prefrontal model-based signatures are reduced in healthy individuals with high trait impulsivity. <i>Translational Psychiatry</i> , 2015, 5, e659-e659.	2.4	59
64	Is it Worth the Effort? Novel Insights into Obesity-Associated Alterations in Cost-Benefit Decision-Making. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 360.	1.0	26
65	The Brain's Got a Taste for Good Food. , 2015, , 39-56.		2
66	Data from 617 Healthy Participants Performing the Iowa Gambling Task: A "Many Labs" Collaboration. , 2015, 3, .		15
67	Body weight status, eating behavior, sensitivity to reward/punishment, and gender: relationships and interdependencies. <i>Frontiers in Psychology</i> , 2014, 5, 1073.	1.1	81
68	Reward processing in obesity, substance addiction and non-substance addiction. <i>Obesity Reviews</i> , 2014, 15, 853-869.	3.1	146
69	Response inhibition and its relation to multidimensional impulsivity. <i>NeuroImage</i> , 2014, 103, 241-248.	2.1	103
70	Leptin-substitution in patients with congenital lipodystrophy increases connectivity in reward-related brain structures: an fMRI study. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2014, 122, .	0.6	1
71	Obesity Associated Cerebral Gray and White Matter Alterations Are Interrelated in the Female Brain. <i>PLoS ONE</i> , 2014, 9, e114206.	1.1	9
72	The brain's role in human obesity. <i>E-Neuroforum</i> , 2013, 19, .	0.2	1

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73	Exenatide-Induced Reduction in Energy Intake Is Associated With Increase in Hypothalamic Connectivity. <i>Diabetes Care</i> , 2013, 36, 1933-1940.	4.3	68
74	Diagnostic imaging in obesity. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2013, 27, 261-277.	2.2	35
75	Performance of healthy participants on the Iowa Gambling Task.. <i>Psychological Assessment</i> , 2013, 25, 180-193.	1.2	166
76	Brain imaging in the context of food perception and eating. <i>Current Opinion in Lipidology</i> , 2013, 24, 18-24.	1.2	19
77	The role of rs2237781 within <i>GRM8</i> in eating behavior. <i>Brain and Behavior</i> , 2013, 3, 495-502.	1.0	14
78	Dissociating Memory Networks in Early Alzheimer's Disease and Frontotemporal Lobar Degeneration - A Combined Study of Hypometabolism and Atrophy. <i>PLoS ONE</i> , 2013, 8, e55251.	1.1	59
79	Die Rolle des Gehirns bei Adipositas. <i>E-Neuroforum</i> , 2013, 19, 138-146.	0.2	0
80	Common Genetic Variation near MC4R Has a Sex-Specific Impact on Human Brain Structure and Eating Behavior. <i>PLoS ONE</i> , 2013, 8, e74362.	1.1	41
81	Iowa Gambling Task: there is more to consider than long-term outcome. Using a linear equation model to disentangle the impact of outcome and frequency of gains and losses. <i>Frontiers in Neuroscience</i> , 2012, 6, 61.	1.4	49
82	Neural correlates of the volitional regulation of the desire for food. <i>International Journal of Obesity</i> , 2012, 36, 648-655.	1.6	205
83	Obesity-Related Differences between Women and Men in Brain Structure and Goal-Directed Behavior. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 58.	1.0	127
84	Combined Evaluation of FDG-PET and MRI Improves Detection and Differentiation of Dementia. <i>PLoS ONE</i> , 2011, 6, e18111.	1.1	129
85	Multivariate information-theoretic measures reveal directed information structure and task relevant changes in fMRI connectivity. <i>Journal of Computational Neuroscience</i> , 2011, 30, 85-107.	0.6	165
86	Peptide hormones regulating appetite—focus on neuroimaging studies in humans. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 104-112.	1.7	56
87	Sex-Dependent Influences of Obesity on Cerebral White Matter Investigated by Diffusion-Tensor Imaging. <i>PLoS ONE</i> , 2011, 6, e18544.	1.1	121
88	Focal Retrograde Amnesia: Voxel-Based Morphometry Findings in a Case without MRI Lesions. <i>PLoS ONE</i> , 2011, 6, e26538.	1.1	15
89	Dynamic Properties of Human Brain Structure: Learning-Related Changes in Cortical Areas and Associated Fiber Connections. <i>Journal of Neuroscience</i> , 2010, 30, 11670-11677.	1.7	442
90	Resuscitating the heart but losing the brain. <i>Neurology</i> , 2010, 74, 306-312.	1.5	74

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91	Eigenvector Centrality Mapping for Analyzing Connectivity Patterns in fMRI Data of the Human Brain. PLoS ONE, 2010, 5, e10232.	1.1	406
92	Differential effects of global and cerebellar normalization on detection and differentiation of dementia in FDG-PET studies. NeuroImage, 2010, 49, 1490-1495.	2.1	118
93	Target selection in eye-hand coordination: Do we reach to where we look or do we look to where we reach?. Experimental Brain Research, 2005, 167, 187-195.	0.7	49