

# Dana M Small

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1131227/publications.pdf>

Version: 2024-02-01

111  
papers

9,583  
citations

50170

46  
h-index

38300

95  
g-index

121  
all docs

121  
docs citations

121  
times ranked

7998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic pain precedes disrupted eating behavior in low-back pain patients. <i>PLoS ONE</i> , 2022, 17, e0263527.	1.1	8
2	Neuroimaging and modulation in obesity and diabetes research: 10th anniversary meeting. <i>International Journal of Obesity</i> , 2022, 46, 718-725.	1.6	2
3	Development of MacroPics: A novel food picture set to dissociate the effects of carbohydrate and fat on eating behaviors. <i>Appetite</i> , 2021, 159, 105051.	1.8	4
4	Post-traumatic olfactory loss and brain response beyond olfactory cortex. <i>Scientific Reports</i> , 2021, 11, 4043.	1.6	11
5	Further Evidence that Habitual Consumption of Sucralose with, but Not without, Carbohydrate Alters Glucose Metabolism. <i>Cell Metabolism</i> , 2021, 33, 227-228.	7.2	1
6	Tracking smell loss to identify healthcare workers with SARS-CoV-2 infection. <i>PLoS ONE</i> , 2021, 16, e0248025.	1.1	10
7	Fat and Carbohydrate Interact to Potentiate Food Reward in Healthy Weight but Not in Overweight or Obesity. <i>Nutrients</i> , 2021, 13, 1203.	1.7	16
8	Dietary lipids as regulators of reward processes: multimodal integration matters. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 693-705.	3.1	17
9	Rethinking Food Reward. <i>Annual Review of Psychology</i> , 2020, 71, 139-164.	9.9	149
10	Core Neuropsychological Measures for Obesity and Diabetes Trials: Initial Report. <i>Frontiers in Psychology</i> , 2020, 11, 554127.	1.1	7
11	No modulation of postprandial metabolism by transcutaneous auricular vagus nerve stimulation: a cross-over study in 15 healthy men. <i>Scientific Reports</i> , 2020, 10, 20466.	1.6	15
12	Identification of an Amygdala-Thalamic Circuit That Acts as a Central Gain Mechanism in Taste Perceptions. <i>Journal of Neuroscience</i> , 2020, 40, 5051-5062.	1.7	23
13	No evidence for an association between obesity and milkshake liking. <i>International Journal of Obesity</i> , 2020, 44, 1668-1677.	1.6	7
14	Network organization during probabilistic learning via taste outcomes. <i>Physiology and Behavior</i> , 2020, 223, 112962.	1.0	6
15	Circulating Triglycerides Gate Dopamine-Associated Behaviors through DRD2-Expressing Neurons. <i>Cell Metabolism</i> , 2020, 31, 773-790.e11.	7.2	52
16	Short-Term Consumption of Sucralose with, but Not without, Carbohydrate Impairs Neural and Metabolic Sensitivity to Sugar in Humans. <i>Cell Metabolism</i> , 2020, 31, 493-502.e7.	7.2	79
17	Loss of nucleus accumbens low-frequency fluctuations is a signature of chronic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10015-10023.	3.3	42
18	Identification of a brain fingerprint for overweight and obesity. <i>Physiology and Behavior</i> , 2020, 222, 112940.	1.0	21

#	ARTICLE	IF	CITATIONS
19	Central nervous pathways of insulin action in the control of metabolism and food intake. <i>Lancet Diabetes and Endocrinology</i> , 2020, 8, 524-534.	5.5	126
20	456. Implementing an At-Home Smell Test for Early Assessment of COVID-19 in High-Risk Healthcare Workers. <i>Open Forum Infectious Diseases</i> , 2020, 7, S295-S296.	0.4	2
21	Neuroendocrinology and brain imaging. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12927.	1.2	0
22	Extreme spicy food cravers displayed increased brain activity in response to pictures of foods containing chili peppers: an fMRI study. <i>Appetite</i> , 2019, 142, 104379.	1.8	19
23	A Brief Neuropsychological Battery for Measuring Cognitive Functions Associated with Obesity. <i>Obesity</i> , 2019, 27, 1988-1996.	1.5	11
24	Processed foods and food reward. <i>Science</i> , 2019, 363, 346-347.	6.0	113
25	Effects of adiposity and metabolic dysfunction on cognition: A review. <i>Physiology and Behavior</i> , 2019, 208, 112578.	1.0	50
26	Good practice in food-related neuroimaging. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 491-503.	2.2	56
27	Dopamine and diet-induced obesity. <i>Nature Neuroscience</i> , 2019, 22, 1-2.	7.1	48
28	Food Intake Recruits Orosensory and Post-ingestive Dopaminergic Circuits to Affect Eating Desire in Humans. <i>Cell Metabolism</i> , 2019, 29, 695-706.e4.	7.2	69
29	Accumulating Data to Optimally Predict Obesity Treatment (ADOPT): Recommendations from the Biological Domain. <i>Obesity</i> , 2018, 26, S25-S34.	1.5	23
30	Diet, Obesity, and Physical Inactivity. , 2018, , 117-141.		5
31	Sweet taste potentiates the reinforcing effects of e-cigarettes. <i>European Neuropsychopharmacology</i> , 2018, 28, 1089-1102.	0.3	26
32	Supra-Additive Effects of Combining Fat and Carbohydrate on Food Reward. <i>Cell Metabolism</i> , 2018, 28, 33-44.e3.	7.2	180
33	New horizons for future research – Critical issues to consider for maximizing research excellence and impact. <i>Molecular Metabolism</i> , 2018, 14, 53-59.	3.0	3
34	DRD2: Bridging the Genome and Ingestive Behavior. <i>Trends in Cognitive Sciences</i> , 2017, 21, 372-384.	4.0	40
35	Integration of Sweet Taste and Metabolism Determines Carbohydrate Reward. <i>Current Biology</i> , 2017, 27, 2476-2485.e6.	1.8	67
36	Reorganization of brain connectivity in obesity. <i>Human Brain Mapping</i> , 2017, 38, 1403-1420.	1.9	65

#	ARTICLE	IF	CITATIONS
37	Dopamine Adaptations as a Common Pathway for Neurocognitive Impairment in Diabetes and Obesity: A Neuropsychological Perspective. <i>Frontiers in Neuroscience</i> , 2017, 11, 134.	1.4	21
38	Complex mechanisms linking neurocognitive dysfunction to insulin resistance and other metabolic dysfunction. <i>F1000Research</i> , 2016, 5, 353.	0.8	68
39	Editorial overview: Diet, behavior and brain function: You are what you eat: Effects of the modern food environment on brain and behavior. <i>Current Opinion in Behavioral Sciences</i> , 2016, 9, v-viii.	2.0	0
40	Fuel not fun: Reinterpreting attenuated brain responses to reward in obesity. <i>Physiology and Behavior</i> , 2016, 162, 37-45.	1.0	84
41	Effects of the modern food environment on striatal function, cognition and regulation of ingestive behavior. <i>Current Opinion in Behavioral Sciences</i> , 2016, 9, 97-105.	2.0	12
42	Interaction between the obesity-risk gene FTO and the dopamine D2 receptor gene ANKK1/TaqIA on insulin sensitivity. <i>Diabetologia</i> , 2016, 59, 2622-2631.	2.9	39
43	Micturition Drive is Associated with Decreased Brain Response to Palatable Milkshake in the Human Anterior Insular Cortex. <i>Chemosensory Perception</i> , 2016, 9, 174-181.	0.7	0
44	Fatty acid amide supplementation decreases impulsivity in young adult heavy drinkers. <i>Physiology and Behavior</i> , 2016, 155, 131-140.	1.0	10
45	Perceptual and Brain Response to Odors Is Associated with Body Mass Index and Postprandial Total Ghrelin Reactivity to a Meal. <i>Chemical Senses</i> , 2016, 41, 233-248.	1.1	28
46	Weighing the evidence: Variance in brain responses to milkshake receipt is predictive of eating behavior. <i>NeuroImage</i> , 2016, 128, 273-283.	2.1	31
47	“White Paper” meeting summary and catalyst for future inquiry: Complex mechanisms linking neurocognitive dysfunction to insulin resistance and other metabolic dysfunction. <i>F1000Research</i> , 2016, 5, 353.	0.8	69
48	Opposing relationships of BMI with BOLD and dopamine D2/3 receptor binding potential in the dorsal striatum. <i>Synapse</i> , 2015, 69, 195-202.	0.6	53
49	What Can the Brain Teach Us about Winemaking? An fMRI Study of Alcohol Level Preferences. <i>PLoS ONE</i> , 2015, 10, e0119220.	1.1	26
50	Physiological mechanisms by which non-nutritive sweeteners may impact body weight and metabolism. <i>Physiology and Behavior</i> , 2015, 152, 381-388.	1.0	98
51	Autism Spectrum Disorder: Sniffing Out a New Biomarker. <i>Current Biology</i> , 2015, 25, R674-R676.	1.8	8
52	Greater perceived ability to form vivid mental images in individuals with high compared to low BMI. <i>Appetite</i> , 2015, 91, 185-189.	1.8	11
53	Basolateral Amygdala Response to Food Cues in the Absence of Hunger Is Associated with Weight Gain Susceptibility. <i>Journal of Neuroscience</i> , 2015, 35, 7964-7976.	1.7	124
54	The effect of verbal context on olfactory neural responses. <i>Human Brain Mapping</i> , 2014, 35, 810-818.	1.9	26

#	ARTICLE	IF	CITATIONS
55	Decreased food pleasure and disrupted satiety signals in chronic low back pain. <i>Pain</i> , 2014, 155, 712-722.	2.0	33
56	Introduction to the 2013 SSIB Special Issue. <i>Physiology and Behavior</i> , 2014, 136, 1-2.	1.0	0
57	Working memory and reward association learning impairments in obesity. <i>Neuropsychologia</i> , 2014, 65, 146-155.	0.7	158
58	The neural signature of satiation is associated with ghrelin response and triglyceride metabolism. <i>Physiology and Behavior</i> , 2014, 136, 63-73.	1.0	59
59	Decreased caudate response to milkshake is associated with higher body mass index and greater impulsivity. <i>Physiology and Behavior</i> , 2013, 121, 103-111.	1.0	125
60	An Introduction to the Special Issue. <i>Biological Psychiatry</i> , 2013, 73, 799-801.	0.7	3
61	Sensory Neuroscience: Taste Responses in Primary Olfactory Cortex. <i>Current Biology</i> , 2013, 23, R157-R159.	1.8	23
62	Verbal descriptors influence hypothalamic response to low-calorie drinks. <i>Molecular Metabolism</i> , 2013, 2, 270-280.	3.0	16
63	Midbrain response to milkshake correlates with ad libitum milkshake intake in the absence of hunger. <i>Appetite</i> , 2013, 60, 168-174.	1.8	48
64	Metabolic Regulation of Brain Response to Food Cues. <i>Current Biology</i> , 2013, 23, 878-883.	1.8	89
65	Neural Correlates of Stress- and Food Cue-Induced Food Craving in Obesity. <i>Diabetes Care</i> , 2013, 36, 394-402.	4.3	165
66	Altered hypothalamic response to food in smokers. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 15-22.	2.2	68
67	A question of taste. <i>Neurology</i> , 2013, 80, 1265-1265.	1.5	0
68	Ventromedial Prefrontal Cortex Response to Concentrated Sucrose Reflects Liking Rather Than Sweet Quality Coding. <i>Chemical Senses</i> , 2013, 38, 585-594.	1.1	37
69	Flavor is in the brain. <i>Physiology and Behavior</i> , 2012, 107, 540-552.	1.0	239
70	Neuroimaging the interaction of mind and metabolism in humans. <i>Molecular Metabolism</i> , 2012, 1, 10-20.	3.0	11
71	Orosensory and Homeostatic Functions of the Insular Taste Cortex. <i>Chemosensory Perception</i> , 2012, 5, 64-79.	0.7	54
72	An fMRI Study of the Interactions Between the Attention and the Gustatory Networks. <i>Chemosensory Perception</i> , 2012, 5, 117-127.	0.7	18

#	ARTICLE	IF	CITATIONS
73	An Introduction to this Special Issue: Neuroimaging in the Chemical Senses. <i>Chemosensory Perception</i> , 2012, 5, 1-1.	0.7	1
74	Modality-Specific Neural Effects of Selective Attention to Taste and Odor. <i>Chemical Senses</i> , 2011, 36, 747-760.	1.1	76
75	The Anterior Insular Cortex Represents Breaches of Taste Identity Expectation. <i>Journal of Neuroscience</i> , 2011, 31, 14735-14744.	1.7	68
76	Youth at Risk for Obesity Show Greater Activation of Striatal and Somatosensory Regions to Food. <i>Journal of Neuroscience</i> , 2011, 31, 4360-4366.	1.7	298
77	A Proposed Model of a Flavor Modality. <i>Frontiers in Neuroscience</i> , 2011, , 717-738.	0.0	10
78	Taste representation in the human insula. <i>Brain Structure and Function</i> , 2010, 214, 551-561.	1.2	246
79	The insular taste cortex contributes to odor quality coding. <i>Frontiers in Human Neuroscience</i> , 2010, 4, .	1.0	38
80	Genetically Determined Differences in Brain Response to a Primary Food Reward. <i>Journal of Neuroscience</i> , 2010, 30, 2428-2432.	1.7	78
81	Neural correlates of evaluative compared with passive tasting. <i>European Journal of Neuroscience</i> , 2009, 30, 327-338.	1.2	77
82	The Role of the Parabrachial Nucleus in Taste Processing and Feeding. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 372-377.	1.8	42
83	Symposium Overview. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 343-346.	1.8	31
84	Separate signals for orthonasal vs. retronasal perception of food but not nonfood odors.. <i>Behavioral Neuroscience</i> , 2009, 123, 481-489.	0.6	38
85	Flavor and the Formation of Category-Specific Processing in Olfaction. <i>Chemosensory Perception</i> , 2008, 1, 136-146.	0.7	44
86	Sleep deprivation alters functioning within the neural network underlying the covert orienting of attention. <i>Brain Research</i> , 2008, 1217, 148-156.	1.1	46
87	Modulation of the spatial attention network by incentives in healthy aging and mild cognitive impairment. <i>Neuropsychologia</i> , 2008, 46, 2943-2948.	0.7	24
88	Separable Substrates for Anticipatory and Consummatory Food Chemosensation. <i>Neuron</i> , 2008, 57, 786-797.	3.8	161
89	The Spatial Attention Network Interacts with Limbic and Monoaminergic Systems to Modulate Motivation-Induced Attention Shifts. <i>Cerebral Cortex</i> , 2008, 18, 2604-2613.	1.6	232
90	Relation of reward from food intake and anticipated food intake to obesity: A functional magnetic resonance imaging study.. <i>Journal of Abnormal Psychology</i> , 2008, 117, 924-935.	2.0	675

#	ARTICLE	IF	CITATIONS
91	Trying to Detect Taste in a Tasteless Solution: Modulation of Early Gustatory Cortex by Attention to Taste. <i>Chemical Senses</i> , 2007, 32, 569-581.	1.1	167
92	The Role of the Human Orbitofrontal Cortex in Taste and Flavor Processing. <i>Annals of the New York Academy of Sciences</i> , 2007, 1121, 136-151.	1.8	81
93	Increased taste intensity perception exhibited by patients with chronic back pain. <i>Pain</i> , 2006, 120, 124-130.	2.0	38
94	Perceptual differences between chemical stimuli presented through the ortho- or retronasal route. <i>Flavour and Fragrance Journal</i> , 2006, 21, 42-47.	1.2	67
95	Central Gustatory Processing in Humans. , 2006, 63, 191-220.		62
96	The chemical senses. , 2006, , 125-172.		9
97	Taste and olfactory intensity perception changes following left insular stroke.. <i>Behavioral Neuroscience</i> , 2005, 119, 1693-1700.	0.6	93
98	Odor/taste integration and the perception of flavor. <i>Experimental Brain Research</i> , 2005, 166, 345-357.	0.7	556
99	Monetary Incentives Enhance Processing in Brain Regions Mediating Top-down Control of Attention. <i>Cerebral Cortex</i> , 2005, 15, 1855-1865.	1.6	228
100	Differential Neural Responses Evoked by Orthonasal versus Retronasal Odorant Perception in Humans. <i>Neuron</i> , 2005, 47, 593-605.	3.8	385
101	A Heteromodal Large-Scale Network for Spatial Attention. , 2005, , 29-34.		7
102	Experience-Dependent Neural Integration of Taste and Smell in the Human Brain. <i>Journal of Neurophysiology</i> , 2004, 92, 1892-1903.	0.9	334
103	Crossmodal integration “ insights from the chemical senses. <i>Trends in Neurosciences</i> , 2004, 27, 120-123.	4.2	51
104	Feeding-induced dopamine release in dorsal striatum correlates with meal pleasantness ratings in healthy human volunteers. <i>NeuroImage</i> , 2003, 19, 1709-1715.	2.1	522
105	Dissociation of Neural Representation of Intensity and Affective Valuation in Human Gustation. <i>Neuron</i> , 2003, 39, 701-711.	3.8	707
106	Toward an Understanding of the Brain Substrates of Reward in Humans. <i>Neuron</i> , 2002, 33, 668-671.	3.8	26
107	Human cortical gustatory areas. <i>NeuroReport</i> , 1999, 10, 7-13.	0.6	416
108	Flavor processing. <i>NeuroReport</i> , 1997, 8, 3913-3917.	0.6	252

#	ARTICLE	IF	CITATIONS
109	A Role for the Right Anterior Temporal Lobe in Taste Quality Recognition. <i>Journal of Neuroscience</i> , 1997, 17, 5136-5142.	1.7	146
110	Tables of $d'$ for detection and localization. <i>Perception &amp; Psychophysics</i> , 1968, 3, 321-323.	2.3	3
111	The Dopamine Receptor Subtype 2 (DRD2) Regulates the Central Reinforcing Actions of Dietary Lipids in Humans and Rodents. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1