

# William K Simmons

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

13,012  
citations

81900

39  
h-index

76900

74  
g-index

84  
all docs

84  
docs citations

84  
times ranked

14102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular analysis in systems neuroscience: the dangers of double dipping. <i>Nature Neuroscience</i> , 2009, 12, 535-540.	14.8	2,379
2	Interoceptive predictions in the brain. <i>Nature Reviews Neuroscience</i> , 2015, 16, 419-429.	10.2	1,115
3	Grounding conceptual knowledge in modality-specific systems. <i>Trends in Cognitive Sciences</i> , 2003, 7, 84-91.	7.8	1,074
4	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	4.2	539
5	Interoception and Mental Health: A Roadmap. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 501-513.	1.5	524
6	Depression and obesity: evidence of shared biological mechanisms. <i>Molecular Psychiatry</i> , 2019, 24, 18-33.	7.9	521
7	Mapping sources of correlation in resting state fMRI, with artifact detection and removal. <i>NeuroImage</i> , 2010, 52, 571-582.	4.2	481
8	Pictures of Appetizing Foods Activate Gustatory Cortices for Taste and Reward. <i>Cerebral Cortex</i> , 2005, 15, 1602-1608.	2.9	456
9	A common neural substrate for perceiving and knowing about color. <i>Neuropsychologia</i> , 2007, 45, 2802-2810.	1.6	395
10	Evidence for a large-scale brain system supporting allostasis and interoception in humans. <i>Nature Human Behaviour</i> , 2017, 1, .	12.0	393
11	Grounding emotion in situated conceptualization. <i>Neuropsychologia</i> , 2011, 49, 1105-1127.	1.6	386
12	Major Depressive Disorder Is Associated With Abnormal Interoceptive Activity and Functional Connectivity in the Insula. <i>Biological Psychiatry</i> , 2014, 76, 258-266.	1.3	339
13	THE SIMILARITY-IN-TOPOGRAPHY PRINCIPLE: RECONCILING THEORIES OF CONCEPTUAL DEFICITS. <i>Cognitive Neuropsychology</i> , 2003, 20, 451-486.	1.1	332
14	Fractionation of social brain circuits in autism spectrum disorders. <i>Brain</i> , 2012, 135, 2711-2725.	7.6	314
15	Language and simulation in conceptual processing. , 2008, , 245-284.		306
16	Keeping the body in mind: Insula functional organization and functional connectivity integrate interoceptive, exteroceptive, and emotional awareness. <i>Human Brain Mapping</i> , 2013, 34, 2944-2958.	3.6	302
17	Self-Regulation of Amygdala Activation Using Real-Time fMRI Neurofeedback. <i>PLoS ONE</i> , 2011, 6, e24522.	2.5	274
18	The Selectivity and Functional Connectivity of the Anterior Temporal Lobes. <i>Cerebral Cortex</i> , 2010, 20, 813-825.	2.9	209

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19	The anterior temporal lobes and the functional architecture of semantic memory. <i>Journal of the International Neuropsychological Society</i> , 2009, 15, 645-649.	1.8	158
20	Depression-Related Increases and Decreases in Appetite: Dissociable Patterns of Aberrant Activity in Reward and Interoceptive Neurocircuitry. <i>American Journal of Psychiatry</i> , 2016, 173, 418-428.	7.2	147
21	fMRI evidence for word association and situated simulation in conceptual processing. <i>Journal of Physiology (Paris)</i> , 2008, 102, 106-119.	2.1	131
22	Striatal dopamine D2-like receptor correlation patterns with human obesity and opportunistic eating behavior. <i>Molecular Psychiatry</i> , 2014, 19, 1078-1084.	7.9	128
23	Altered Insula Activity during Visceral Interoception in Weight-Restored Patients with Anorexia Nervosa. <i>Neuropsychopharmacology</i> , 2016, 41, 521-528.	5.4	115
24	Embodiment in Religious Knowledge. <i>Journal of Cognition and Culture</i> , 2005, 5, 14-57.	0.4	110
25	Contextual Processing of Abstract Concepts Reveals Neural Representations of Nonlinguistic Semantic Content. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 920-935.	2.3	99
26	Appetite changes reveal depression subgroups with distinct endocrine, metabolic, and immune states. <i>Molecular Psychiatry</i> , 2020, 25, 1457-1468.	7.9	95
27	Tulsa 1000: a naturalistic study protocol for multilevel assessment and outcome prediction in a large psychiatric sample. <i>BMJ Open</i> , 2018, 8, e016620.	1.9	88
28	Category-specific integration of homeostatic signals in caudal but not rostral human insula. <i>Nature Neuroscience</i> , 2013, 16, 1551-1552.	14.8	87
29	Methodological recommendations for a heartbeat detection-based measure of interoceptive sensitivity. <i>Psychophysiology</i> , 2015, 52, 1432-1440.	2.4	85
30	The Insular Cortex Dynamically Maps Changes in Cardiorespiratory Interoception. <i>Neuropsychopharmacology</i> , 2018, 43, 426-434.	5.4	82
31	A preliminary study of self-reported food selectivity in adolescents and young adults with autism spectrum disorder. <i>Research in Autism Spectrum Disorders</i> , 2015, 15-16, 53-59.	1.5	78
32	A common gustatory and interoceptive representation in the human mid-insula. <i>Human Brain Mapping</i> , 2015, 36, 2996-3006.	3.6	77
33	PTSD and cognitive symptoms relate to inhibition-related prefrontal activation and functional connectivity. <i>Depression and Anxiety</i> , 2017, 34, 427-436.	4.1	62
34	Spontaneous resting-state BOLD fluctuations reveal persistent domain-specific neural networks. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 467-475.	3.0	60
35	Property generation reflects word association and situated simulation. <i>Language and Cognition</i> , 2011, 3, 83-119.	0.6	59
36	Interoceptive contributions to healthy eating and obesity. <i>Current Opinion in Psychology</i> , 2017, 17, 106-112.	4.9	57

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37	How the heart speaks to the brain: neural activity during cardiorespiratory interoceptive stimulation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160017.	4.0	55
38	The effects of inhibition of fatty acid amide hydrolase (FAAH) by JNJ-42165279 in social anxiety disorder: a double-blind, randomized, placebo-controlled proof-of-concept study. <i>Neuropsychopharmacology</i> , 2021, 46, 1004-1010.	5.4	52
39	The ventral pallidum and orbitofrontal cortex support food pleasantness inferences. <i>Brain Structure and Function</i> , 2014, 219, 473-483.	2.3	50
40	Beyond synchrony: the capacity of fMRI hyperscanning for the study of human social interaction. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 84-92.	3.0	46
41	Convergent gustatory and viscerosensory processing in the human dorsal mid-insula. <i>Human Brain Mapping</i> , 2017, 38, 2150-2164.	3.6	43
42	Measuring selectivity in fMRI data. <i>Nature Neuroscience</i> , 2007, 10, 4-5.	14.8	42
43	Resting-state brain connectivity after surgical and behavioral weight loss. <i>Obesity</i> , 2015, 23, 1422-1428.	3.0	40
44	Attentional bias to food cues in youth with loss of control eating. <i>Appetite</i> , 2015, 87, 68-75.	3.7	40
45	Parental influences on neural mechanisms underlying emotion regulation. <i>Trends in Neuroscience and Education</i> , 2019, 16, 100118.	3.1	40
46	Tonic hyperconnectivity of reward neurocircuitry in obese children. <i>Obesity</i> , 2014, 22, 1590-1593.	3.0	39
47	Trait impulsivity is related to ventral ACC and amygdala activity during primary reward anticipation. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 36-42.	3.0	38
48	Examining the short-term anxiolytic and antidepressant effect of Floatation-REST. <i>PLoS ONE</i> , 2018, 13, e0190292.	2.5	37
49	Obesity is associated with altered mid-insula functional connectivity to limbic regions underlying appetitive responses to foods. <i>Journal of Psychopharmacology</i> , 2017, 31, 1475-1484.	4.0	33
50	Neural Processing of Emotional Musical and Nonmusical Stimuli in Depression. <i>PLoS ONE</i> , 2016, 11, e0156859.	2.5	32
51	The Elicitation of Relaxation and Interoceptive Awareness Using Floatation Therapy in Individuals With High Anxiety Sensitivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 555-562.	1.5	30
52	Learning situated emotions. <i>Neuropsychologia</i> , 2020, 145, 106637.	1.6	30
53	Taking Aim at Interoception's Role in Mental Health. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 496-498.	1.5	28
54	Influence of Visceral Interoceptive Experience on the Brain's Response to Food Images in Anorexia Nervosa. <i>Psychosomatic Medicine</i> , 2017, 79, 777-784.	2.0	26

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55	Differential privacy-based evaporative cooling feature selection and classification with relief-F and random forests. <i>Bioinformatics</i> , 2017, 33, 2906-2913.	4.1	24
56	How the Brain Wants What the Body Needs: The Neural Basis of Positive Alliesthesia. <i>Neuropsychopharmacology</i> , 2017, 42, 822-830.	5.4	24
57	The Neural Bases of Interoceptive Encoding and Recall in Healthy Adults and Adults With Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 546-554.	1.5	24
58	Is a single "hub", with lots of spokes, an accurate description of the neural architecture of action semantics?. <i>Physics of Life Reviews</i> , 2014, 11, 261-262.	2.8	23
59	Effect of Ibuprofen on BrainAGE: A Randomized, Placebo-Controlled, Dose-Response Exploratory Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 836-843.	1.5	23
60	Neural correlates of taste reactivity in autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2018, 19, 38-46.	2.7	18
61	Appetite change profiles in depression exhibit differential relationships between systemic inflammation and activity in reward and interoceptive neurocircuitry. <i>Brain, Behavior, and Immunity</i> , 2020, 83, 163-171.	4.1	18
62	The Role of Neurobiological Bases of Dyadic Emotion Regulation in the Development of Psychopathology: Cross-Brain Associations Between Parents and Children. <i>Clinical Child and Family Psychology Review</i> , 2022, 25, 5-18.	4.5	14
63	Into the Unknown: Examining Neural Representations of Parent-Adolescent Interactions. <i>Child Development</i> , 2021, 92, e1361-e1376.	3.0	11
64	Childhood Adversity and Perceived Distress from the COVID-19 Pandemic. <i>Adversity and Resilience Science</i> , 2021, 2, 1-4.	2.6	10
65	A "Taste" of What is to Come: Reward Sensitivity as a Potential Endophenotype for Major Depressive Disorder. <i>Biological Psychiatry</i> , 2012, 72, 526-527.	1.3	9
66	The Clinical Significance of Posterior Insular Volume in Adolescent Anorexia Nervosa. <i>Psychosomatic Medicine</i> , 2017, 79, 1025-1035.	2.0	8
67	Always on my mind: Cross-brain associations of mental health symptoms during simultaneous parent-child scanning. <i>Developmental Cognitive Neuroscience</i> , 2019, 40, 100729.	4.0	7
68	Effects of Parent Emotion Socialization on the Neurobiology Underlying Adolescent Emotion Processing: A Multimethod fMRI Study. <i>Research on Child and Adolescent Psychopathology</i> , 2020, 50, 149-161.	2.3	7
69	Impact of ibuprofen and peroxisome proliferator-activated receptor gamma on emotion-related neural activation: A randomized, placebo-controlled trial. <i>Brain, Behavior, and Immunity</i> , 2021, 96, 135-142.	4.1	7
70	TEAMwork: Testing Emotional Attunement and Mutuality During Parent-Adolescent fMRI. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 24.	2.0	6
71	Associated Changes in E-cigarette Puff Duration and Cigarettes Smoked per Day. <i>Nicotine and Tobacco Research</i> , 2021, 23, 760-764.	2.6	5
72	Cardiorespiratory noise correction improves the ASL signal. <i>Human Brain Mapping</i> , 2018, 39, 2353-2367.	3.6	4

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73	The embodied bases of supernatural concepts. Behavioral and Brain Sciences, 2004, 27, 735-736.	0.7	2
74	S66. A Clinical Trial Investigating the Safety and Tolerability of Floatation-Rest in Anorexia Nervosa. Biological Psychiatry, 2018, 83, S372.	1.3	0
75	F34. Examining the Short-Term Anxiolytic Effect of Floatation-REST. Biological Psychiatry, 2018, 83, S250-S251.	1.3	0
76	S18. Interoceptive Prediction Signals in the Anterior Insula. Biological Psychiatry, 2018, 83, S353-S354.	1.3	0
77	T61. Neural Correlates of Taste Reactivity in Autism Spectrum Disorder. Biological Psychiatry, 2018, 83, S152.	1.3	0