

# 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  | 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        |
| 2  | 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         |
| 3  | 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        |
| 4  | 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        |
| 5  | Childhood Adversity and Perceived Distress from the COVID-19 Pandemic. <i>Adversity and Resilience Science</i> , 2021, 2, 1-4.  | 2.6 | 10        |
| 6  | Into the Unknown: Examining Neural Representations of Parent-Adolescent Interactions. <i>Child Development</i> , 2021, 92, e1361-e1376.   | 3.0 | 11        |
| 7  | 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         |
| 8  | Learning situated emotions. <i>Neuropsychologia</i> , 2020, 145, 106637.  | 1.6 | 30        |
| 9  | Appetite changes reveal depression subgroups with distinct endocrine, metabolic, and immune states. <i>Molecular Psychiatry</i> , 2020, 25, 1457-1468.  | 7.9 | 95        |
| 10 | 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        |
| 11 | 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         |
| 12 | TEAMwork: Testing Emotional Attunement and Mutuality During Parent-Adolescent fMRI. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 24.  | 2.0 | 6         |
| 13 | Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.  | 4.2 | 539       |
| 14 | Parental influences on neural mechanisms underlying emotion regulation. <i>Trends in Neuroscience and Education</i> , 2019, 16, 100118.   | 3.1 | 40        |
| 15 | 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         |
| 16 | Depression and obesity: evidence of shared biological mechanisms. <i>Molecular Psychiatry</i> , 2019, 24, 18-33.  | 7.9 | 521       |
| 17 | S66. A Clinical Trial Investigating the Safety and Tolerability of Floatation-Rest in Anorexia Nervosa. <i>Biological Psychiatry</i> , 2018, 83, S372.  | 1.3 | 0         |
| 18 | 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        |

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|----|---|------|-----------|
| 19 | Neural correlates of taste reactivity in autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2018, 19, 38-46.   | 2.7  | 18        |
| 20 | Cardiorespiratory noise correction improves the ASL signal. <i>Human Brain Mapping</i> , 2018, 39, 2353-2367.   | 3.6  | 4         |
| 21 | Interoception and Mental Health: A Roadmap. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 501-513.   | 1.5  | 524       |
| 22 | 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        |
| 23 | The Insular Cortex Dynamically Maps Changes in Cardiorespiratory Interoception. <i>Neuropsychopharmacology</i> , 2018, 43, 426-434.   | 5.4  | 82        |
| 24 | F34. Examining the Short-Term Anxiolytic Effect of Floatation-REST. <i>Biological Psychiatry</i> , 2018, 83, S250-S251.   | 1.3  | 0         |
| 25 | S18. Interoceptive Prediction Signals in the Anterior Insula. <i>Biological Psychiatry</i> , 2018, 83, S353-S354.   | 1.3  | 0         |
| 26 | 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        |
| 27 | T61. Neural Correlates of Taste Reactivity in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2018, 83, S152.  | 1.3  | 0         |
| 28 | Taking Aim at Interoception's Role in Mental Health. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 496-498.  | 1.5  | 28        |
| 29 | Examining the short-term anxiolytic and antidepressant effect of Floatation-REST. <i>PLoS ONE</i> , 2018, 13, e0190292.   | 2.5  | 37        |
| 30 | 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        |
| 31 | Convergent gustatory and viscerosensory processing in the human dorsal mid-insula. <i>Human Brain Mapping</i> , 2017, 38, 2150-2164.  | 3.6  | 43        |
| 32 | Evidence for a large-scale brain system supporting allostasis and interoception in humans. <i>Nature Human Behaviour</i> , 2017, 1, .   | 12.0 | 393       |
| 33 | 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        |
| 34 | 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        |
| 35 | 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        |
| 36 | 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        |

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|----|---|------|-----------|
| 37 | The Clinical Significance of Posterior Insular Volume in Adolescent Anorexia Nervosa. <i>Psychosomatic Medicine</i> , 2017, 79, 1025-1035.  | 2.0  | 8         |
| 38 | Interoceptive contributions to healthy eating and obesity. <i>Current Opinion in Psychology</i> , 2017, 17, 106-112.  | 4.9  | 57        |
| 39 | How the Brain Wants What the Body Needs: The Neural Basis of Positive Alliesthesia. <i>Neuropsychopharmacology</i> , 2017, 42, 822-830.   | 5.4  | 24        |
| 40 | 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        |
| 41 | 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       |
| 42 | Altered Insula Activity during Visceral Interoception in Weight-Restored Patients with Anorexia Nervosa. <i>Neuropsychopharmacology</i> , 2016, 41, 521-528.  | 5.4  | 115       |
| 43 | Neural Processing of Emotional Musical and Nonmusical Stimuli in Depression. <i>PLoS ONE</i> , 2016, 11, e0156859.  | 2.5  | 32        |
| 44 | Resting-state brain connectivity after surgical and behavioral weight loss. <i>Obesity</i> , 2015, 23, 1422-1428.   | 3.0  | 40        |
| 45 | A common gustatory and interoceptive representation in the human mid-insula. <i>Human Brain Mapping</i> , 2015, 36, 2996-3006.  | 3.6  | 77        |
| 46 | Methodological recommendations for a heartbeat detection-based measure of interoceptive sensitivity. <i>Psychophysiology</i> , 2015, 52, 1432-1440.   | 2.4  | 85        |
| 47 | 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        |
| 48 | Interoceptive predictions in the brain. <i>Nature Reviews Neuroscience</i> , 2015, 16, 419-429.   | 10.2 | 1,115     |
| 49 | Attentional bias to food cues in youth with loss of control eating. <i>Appetite</i> , 2015, 87, 68-75.  | 3.7  | 40        |
| 50 | 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        |
| 51 | Tonic hyperconnectivity of reward neurocircuitry in obese children. <i>Obesity</i> , 2014, 22, 1590-1593.   | 3.0  | 39        |
| 52 | 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       |
| 53 | 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        |
| 54 | The ventral pallidum and orbitofrontal cortex support food pleasantness inferences. <i>Brain Structure and Function</i> , 2014, 219, 473-483.   | 2.3  | 50        |

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|----|---|------|-----------|
| 55 | 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       |
| 56 | 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       |
| 57 | Category-specific integration of homeostatic signals in caudal but not rostral human insula. <i>Nature Neuroscience</i> , 2013, 16, 1551-1552.  | 14.8 | 87        |
| 58 | 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        |
| 59 | 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        |
| 60 | Fractionation of social brain circuits in autism spectrum disorders. <i>Brain</i> , 2012, 135, 2711-2725.   | 7.6  | 314       |
| 61 | 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         |
| 62 | Grounding emotion in situated conceptualization. <i>Neuropsychologia</i> , 2011, 49, 1105-1127.   | 1.6  | 386       |
| 63 | Property generation reflects word association and situated simulation. <i>Language and Cognition</i> , 2011, 3, 83-119.   | 0.6  | 59        |
| 64 | Self-Regulation of Amygdala Activation Using Real-Time fMRI Neurofeedback. <i>PLoS ONE</i> , 2011, 6, e24522.   | 2.5  | 274       |
| 65 | The Selectivity and Functional Connectivity of the Anterior Temporal Lobes. <i>Cerebral Cortex</i> , 2010, 20, 813-825.   | 2.9  | 209       |
| 66 | Mapping sources of correlation in resting state FMRI, with artifact detection and removal. <i>NeuroImage</i> , 2010, 52, 571-582.   | 4.2  | 481       |
| 67 | 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       |
| 68 | Circular analysis in systems neuroscience: the dangers of double dipping. <i>Nature Neuroscience</i> , 2009, 12, 535-540.   | 14.8 | 2,379     |
| 69 | fMRI evidence for word association and situated simulation in conceptual processing. <i>Journal of Physiology (Paris)</i> , 2008, 102, 106-119.   | 2.1  | 131       |
| 70 | Language and simulation in conceptual processing. , 2008, , 245-284.  |      | 306       |
| 71 | Measuring selectivity in fMRI data. <i>Nature Neuroscience</i> , 2007, 10, 4-5.   | 14.8 | 42        |
| 72 | A common neural substrate for perceiving and knowing about color. <i>Neuropsychologia</i> , 2007, 45, 2802-2810.  | 1.6  | 395       |

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|----|--|-----|-----------|
| 73 | Embodiment in Religious Knowledge. <i>Journal of Cognition and Culture</i> , 2005, 5, 14-57.   | 0.4 | 110       |
| 74 | Pictures of Appetizing Foods Activate Gustatory Cortices for Taste and Reward. <i>Cerebral Cortex</i> , 2005, 15, 1602-1608.               | 2.9 | 456       |
| 75 | The embodied bases of supernatural concepts. <i>Behavioral and Brain Sciences</i> , 2004, 27, 735-736.                                     | 0.7 | 2         |
| 76 | Grounding conceptual knowledge in modality-specific systems. <i>Trends in Cognitive Sciences</i> , 2003, 7, 84-91.                         | 7.8 | 1,074     |
| 77 | THE SIMILARITY-IN-TOPOGRAPHY PRINCIPLE: RECONCILING THEORIES OF CONCEPTUAL DEFICITS. <i>Cognitive Neuropsychology</i> , 2003, 20, 451-486. | 1.1 | 332       |