

# Daniel S Quintana

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

8,927  
citations

50276

46  
h-index

48315

88  
g-index

102  
all docs

102  
docs citations

102  
times ranked

10304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Depression and Antidepressant Treatment on Heart Rate Variability: A Review and Meta-Analysis. <i>Biological Psychiatry</i> , 2010, 67, 1067-1074.	1.3	984
2	Anxiety Disorders are Associated with Reduced Heart Rate Variability: A Meta-Analysis. <i>Frontiers in Psychiatry</i> , 2014, 5, 80.	2.6	634
3	Autism spectrum disorders: a meta-analysis of executive function. <i>Molecular Psychiatry</i> , 2018, 23, 1198-1204.	7.9	453
4	The relationship between mental and physical health: Insights from the study of heart rate variability. <i>International Journal of Psychophysiology</i> , 2013, 89, 288-296.	1.0	418
5	Cytokine aberrations in autism spectrum disorder: a systematic review and meta-analysis. <i>Molecular Psychiatry</i> , 2015, 20, 440-446.	7.9	371
6	Depression, Comorbid Anxiety Disorders, and Heart Rate Variability in Physically Healthy, Unmedicated Patients: Implications for Cardiovascular Risk. <i>PLoS ONE</i> , 2012, 7, e30777.	2.5	331
7	Autonomic nervous system dysfunction in psychiatric disorders and the impact of psychotropic medications: a systematic review and meta-analysis. <i>Journal of Psychiatry and Neuroscience</i> , 2016, 41, 89-104.	2.4	321
8	Guidelines for Reporting Articles on Psychiatry and Heart rate variability (GRAPH): recommendations to advance research communication. <i>Translational Psychiatry</i> , 2016, 6, e803-e803.	4.8	289
9	A systematic review and meta-analysis of discrepancies between logged and self-reported digital media use. <i>Nature Human Behaviour</i> , 2021, 5, 1535-1547.	12.0	265
10	Heart rate variability is associated with emotion recognition: Direct evidence for a relationship between the autonomic nervous system and social cognition. <i>International Journal of Psychophysiology</i> , 2012, 86, 168-172.	1.0	264
11	Considerations in the assessment of heart rate variability in biobehavioral research. <i>Frontiers in Psychology</i> , 2014, 5, 805.	2.1	261
12	Bayesian alternatives for common null-hypothesis significance tests in psychiatry: a non-technical guide using JASP. <i>BMC Psychiatry</i> , 2018, 18, 178.	2.6	258
13	Oxytocin pathway gene networks in the human brain. <i>Nature Communications</i> , 2019, 10, 668.	12.8	200
14	The correlation between central and peripheral oxytocin concentrations: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 78, 117-124.	6.1	181
15	From pre-registration to publication: a non-technical primer for conducting a meta-analysis to synthesize correlational data. <i>Frontiers in Psychology</i> , 2015, 6, 1549.	2.1	154
16	International Consensus Based Review and Recommendations for Minimum Reporting Standards in Research on Transcutaneous Vagus Nerve Stimulation (Version 2020). <i>Frontiers in Human Neuroscience</i> , 2020, 14, 568051.	2.0	143
17	Treatment outcomes for anorexia nervosa: a systematic review and meta-analysis of randomized controlled trials. <i>Psychological Medicine</i> , 2019, 49, 535-544.	4.5	136
18	Advances in the field of intranasal oxytocin research: lessons learned and future directions for clinical research. <i>Molecular Psychiatry</i> , 2021, 26, 80-91.	7.9	133

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19	Matter Over Mind: A Randomised-Controlled Trial of Single-Session Biofeedback Training on Performance Anxiety and Heart Rate Variability in Musicians. PLoS ONE, 2012, 7, e46597.	2.5	128
20	Do delivery routes of intranasally administered oxytocin account for observed effects on social cognition and behavior? A two-level model. Neuroscience and Biobehavioral Reviews, 2015, 49, 182-192.	6.1	126
21	Oxytocin Increases Heart Rate Variability in Humans at Rest: Implications for Social Approach-Related Motivation and Capacity for Social Engagement. PLoS ONE, 2012, 7, e44014.	2.5	125
22	An Allostatic Theory of Oxytocin. Trends in Cognitive Sciences, 2020, 24, 515-528.	7.8	121
23	Statistical considerations for reporting and planning heart rate variability case-control studies. Psychophysiology, 2017, 54, 344-349.	2.4	114
24	The promise and pitfalls of intranasally administering psychopharmacological agents for the treatment of psychiatric disorders. Molecular Psychiatry, 2016, 21, 29-38.	7.9	103
25	On the validity of using the Polar RS800 heart rate monitor for heart rate variability research. European Journal of Applied Physiology, 2012, 112, 4179-4180.	2.5	102
26	Reduced Heart Rate Variability in Social Anxiety Disorder: Associations with Gender and Symptom Severity. PLoS ONE, 2013, 8, e70468.	2.5	101
27	Misinformation About COVID-19 Vaccines on Social Media: Rapid Review. Journal of Medical Internet Research, 2022, 24, e37367.	4.3	100
28	Low dose intranasal oxytocin delivered with Breath Powered device dampens amygdala response to emotional stimuli: A peripheral effect-controlled within-subjects randomized dose-response fMRI trial. Psychoneuroendocrinology, 2016, 69, 180-188.	2.7	90
29	A Meta-Analysis on the Impact of Alcohol Dependence on Short-Term Resting-State Heart Rate Variability: Implications for Cardiovascular Risk. Alcoholism: Clinical and Experimental Research, 2013, 37, E23-9.	2.4	89
30	Heart rate variability during adolescent and adult social interactions: A meta-analysis. Biological Psychology, 2015, 105, 43-50.	2.2	79
31	Worry is associated with robust reductions in heart rate variability: a transdiagnostic study of anxiety psychopathology. BMC Psychology, 2016, 4, 32.	2.1	79
32	Low-dose oxytocin delivered intranasally with Breath Powered device affects social-cognitive behavior: a randomized four-way crossover trial with nasal cavity dimension assessment. Translational Psychiatry, 2015, 5, e602-e602.	4.8	78
33	Dose-dependent social-cognitive effects of intranasal oxytocin delivered with novel Breath Powered device in adults with autism spectrum disorder: a randomized placebo-controlled double-blind crossover trial. Translational Psychiatry, 2017, 7, e1136-e1136.	4.8	75
34	A synthetic dataset primer for the biobehavioural sciences to promote reproducibility and hypothesis generation. ELife, 2020, 9, .	6.0	74
35	Heart rate variability predicts alcohol craving in alcohol dependent outpatients: Further evidence for HRV as a psychophysiological marker of self-regulation. Drug and Alcohol Dependence, 2013, 132, 395-398.	3.2	68
36	Evidence for intranasal oxytocin delivery to the brain: recent advances and future perspectives. Therapeutic Delivery, 2018, 9, 515-525.	2.2	68

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37	Multimodal imaging improves brain age prediction and reveals distinct abnormalities in patients with psychiatric and neurological disorders. <i>Human Brain Mapping</i> , 2021, 42, 1714-1726.	3.6	68
38	Major depressive disorder with melancholia displays robust alterations in resting state heart rate and its variability: implications for future morbidity and mortality. <i>Frontiers in Psychology</i> , 2014, 5, 1387.	2.1	67
39	Effects of Public Green Space on Acute Psychophysiological Stress Response: A Systematic Review and Meta-Analysis of the Experimental and Quasi-Experimental Evidence. <i>Environment and Behavior</i> , 2021, 53, 184-226.	4.7	67
40	Beyond the hype and hope: Critical considerations for intranasal oxytocin research in autism spectrum disorder. <i>Autism Research</i> , 2017, 10, 25-41.	3.8	64
41	Reduced heart rate variability in schizophrenia and bipolar disorder compared to healthy controls. <i>Acta Psychiatrica Scandinavica</i> , 2016, 133, 44-52.	4.5	58
42	A Meta-analysis of Theory of Mind in Alcohol Use Disorders. <i>Alcohol and Alcoholism</i> , 2016, 51, 410-415.	1.6	57
43	Sustained attention and heart rate variability in children and adolescents with ADHD. <i>Biological Psychology</i> , 2017, 124, 11-20.	2.2	57
44	Resting-state high-frequency heart rate variability is related to respiratory frequency in individuals with severe mental illness but not healthy controls. <i>Scientific Reports</i> , 2016, 6, 37212.	3.3	52
45	A role for autonomic cardiac control in the effects of oxytocin on social behavior and psychiatric illness. <i>Frontiers in Neuroscience</i> , 2013, 7, 48.	2.8	49
46	Heart rate variability during social interactions in children with and without psychopathology: a meta-analysis. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2014, 55, 981-989.	5.2	49
47	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602.	7.9	49
48	Impact of depression heterogeneity on attention: An auditory oddball event related potential study. <i>Journal of Affective Disorders</i> , 2010, 123, 202-207.	4.1	48
49	Intranasal Oxytocin Mechanisms Can Be Better Understood, but Its Effects on Social Cognition and Behavior Are Not to Be Sniffed At. <i>Biological Psychiatry</i> , 2016, 79, e49-e50.	1.3	40
50	Effects of Serotonin Reuptake Inhibitors on Heart Rate Variability: Methodological Issues, Medical Comorbidity, and Clinical Relevance. <i>Biological Psychiatry</i> , 2011, 69, e25-e26.	1.3	38
51	Saliva oxytocin measures do not reflect peripheral plasma concentrations after intranasal oxytocin administration in men. <i>Hormones and Behavior</i> , 2018, 102, 85-92.	2.1	37
52	Moderate alcohol intake is related to increased heart rate variability in young adults: Implications for health and well-being. <i>Psychophysiology</i> , 2013, 50, 1202-1208.	2.4	36
53	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688.	2.4	33
54	Cardiovascular risk remains high in schizophrenia with modest improvements in bipolar disorder during past decade. <i>Acta Psychiatrica Scandinavica</i> , 2019, 139, 348-360.	4.5	31

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55	Revisiting non-significant effects of intranasal oxytocin using equivalence testing. <i>Psychoneuroendocrinology</i> , 2018, 87, 127-130.	2.7	30
56	Polygenic overlap and shared genetic loci between loneliness, severe mental disorders, and cardiovascular disease risk factors suggest shared molecular mechanisms. <i>Translational Psychiatry</i> , 2021, 11, 3.	4.8	29
57	Improving the precision of intranasal oxytocin research. <i>Nature Human Behaviour</i> , 2021, 5, 9-18.	12.0	28
58	Oxytocin system dysfunction as a common mechanism underlying metabolic syndrome and psychiatric symptoms in schizophrenia and bipolar disorders. <i>Frontiers in Neuroendocrinology</i> , 2017, 45, 1-10.	5.2	26
59	Resting heart rate variability, attention and attention maintenance in young adults. <i>International Journal of Psychophysiology</i> , 2019, 143, 126-131.	1.0	26
60	Low-dose intranasal oxytocin delivered with Breath Powered device modulates pupil diameter and amygdala activity: a randomized controlled pupillometry and fMRI study. <i>Neuropsychopharmacology</i> , 2019, 44, 306-313.	5.4	23
61	Oxytocin receptor expression patterns in the human brain across development. <i>Neuropsychopharmacology</i> , 2022, 47, 1550-1560.	5.4	23
62	The relationship between central and peripheral oxytocin concentrations: a systematic review and meta-analysis protocol. <i>Systematic Reviews</i> , 2016, 5, 49.	5.3	22
63	Twitter Article Mentions and Citations: An Exploratory Analysis of Publications in the American Journal of Psychiatry. <i>American Journal of Psychiatry</i> , 2016, 173, 194-194.	7.2	22
64	Is Heart Rate Variability Reduced in Depression Without Cardiovascular Disease?. <i>Biological Psychiatry</i> , 2011, 69, e3-e4.	1.3	18
65	Heart rate variability is associated with disease severity in psychosis spectrum disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 111, 110108.	4.8	18
66	Prominent health problems, socioeconomic deprivation, and higher brain age in lonely and isolated individuals: A population-based study. <i>Behavioural Brain Research</i> , 2021, 414, 113510.	2.2	18
67	How Podcasts Can Benefit Scientific Communities. <i>Trends in Cognitive Sciences</i> , 2021, 25, 3-5.	7.8	17
68	Reduced heart rate variability in a treatment-seeking early psychosis sample. <i>Psychiatry Research</i> , 2018, 269, 293-300.	3.3	16
69	Most oxytocin administration studies are statistically underpowered to reliably detect (or reject) a wide range of effect sizes. <i>Comprehensive Psychoneuroendocrinology</i> , 2020, 4, 100014.	1.7	16
70	Diurnal Variation and Twenty-Four Hour Sleep Deprivation Do Not Alter Supine Heart Rate Variability in Healthy Male Young Adults. <i>PLoS ONE</i> , 2017, 12, e0170921.	2.5	15
71	The Promise of Intranasal Esketamine as a Novel and Effective Antidepressant. <i>JAMA Psychiatry</i> , 2018, 75, 123.	11.0	15
72	Age-related differences in the error-related negativity and error positivity in children and adolescents are moderated by sample and methodological characteristics: A meta-analysis. <i>Psychophysiology</i> , 2022, 59, e14003.	2.4	15

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73	Oxytocin modulation of self-referential processing is partly replicable and sensitive to oxytocin receptor genotype. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 96, 109734.	4.8	13
74	Telomeres are shorter and associated with number of suicide attempts in affective disorders. <i>Journal of Affective Disorders</i> , 2021, 295, 1032-1039.	4.1	13
75	Contribution of oxytocin receptor polymorphisms to amygdala activation in schizophrenia spectrum disorders. <i>BJPsych Open</i> , 2016, 2, 353-358.	0.7	11
76	Associations of loneliness and social isolation with cardiovascular and metabolic health: a systematic review and meta-analysis protocol. <i>Systematic Reviews</i> , 2020, 9, 102.	5.3	11
77	Circadian Rhythms, Sleep, and the Autonomic Nervous System. <i>Journal of Psychophysiology</i> , 2020, 34, 1-9.	0.7	10
78	The Modum-ED Trial Protocol: Comparing Compassion-Focused Therapy and Cognitive-Behavioral Therapy in Treatment of Eating Disorders With and Without Childhood Trauma: Protocol of a Randomized Trial. <i>Frontiers in Psychology</i> , 2019, 10, 1638.	2.1	9
79	The impact of oxytocin administration on brain activity: a systematic review and meta-analysis protocol. <i>Systematic Reviews</i> , 2016, 5, 205.	5.3	8
80	Towards better hypothesis tests in oxytocin research: Evaluating the validity of auxiliary assumptions. <i>Psychoneuroendocrinology</i> , 2022, 137, 105642.	2.7	8
81	Reliability of basal plasma vasopressin concentrations in healthy male adults. <i>Acta Neuropsychiatrica</i> , 2017, 29, 315-321.	2.1	7
82	Cold Face Test-Induced Increases in Heart Rate Variability Are Abolished by Engagement in a Social Cognition Task. <i>Journal of Psychophysiology</i> , 2016, 30, 38-46.	0.7	7
83	Registration, reporting, and replication in clinical trials: The case of anorexia nervosa. <i>International Journal of Eating Disorders</i> , 2020, 53, 138-142.	4.0	4
84	Replication studies for undergraduate theses to improve science and education. <i>Nature Human Behaviour</i> , 2021, 5, 1117-1118.	12.0	4
85	Linking Central Patterns and Using and Large-Scale of fMRI Data: A Tutorial and Example Using the Signaling Pathway. <i>Methods in Molecular Biology</i> , 2022, 2384, 127-137.	0.9	4
86	Oxytocin's dynamic role across the lifespan. <i>Aging Brain</i> , 2022, 2, 100028.	1.3	4
87	Oxytocin-pathway polygenic scores for severe mental disorders and metabolic phenotypes in the UK Biobank. <i>Translational Psychiatry</i> , 2021, 11, 599.	4.8	2
88	Oxytocin: How Does This Neuropeptide Change Our Social Behavior?. <i>Frontiers for Young Minds</i> , 0, 4, .	0.8	1
89	Sex as a Moderator Between Parent Ratings of Executive Dysfunction and Social Difficulties in Children and Adolescents with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 0, , .	2.7	1
90	Substance misuse and social cognition on the psychosis-spectrum: A bottom-up framework. , 2019, , 201-217.		0

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91	Meta-analysis misunderstood: a cautionary tale in interpreting meta-analytic findings. Psychological Medicine, 2019, 49, 699-700.	4.5	0
92	Transparent evaluation of scholarly communications. Septentrio Conference Series, 2020, , .	0.0	0