Jens C Pruessner

List of Publications by Year in descending order

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20759 13338 18,119 133 60 130 citations h-index g-index papers 137 137 137 19565 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Two formulas for computation of the area under the curve represent measures of total hormone concentration versus time-dependent change. Psychoneuroendocrinology, 2003, 28, 916-931.	1.3	2,979
2	City living and urban upbringing affect neural social stress processing in humans. Nature, 2011, 474, 498-501.	13.7	1,189
3	Assessment of the cortisol awakening response: Expert consensus guidelines. Psychoneuroendocrinology, 2016, 63, 414-432.	1.3	727
4	Patch-based segmentation using expert priors: Application to hippocampus and ventricle segmentation. Neurolmage, 2011, 54, 940-954.	2.1	692
5	Burnout, Perceived Stress, and Cortisol Responses to Awakening. Psychosomatic Medicine, 1999, 61, 197-204.	1.3	641
6	Dopamine Release in Response to a Psychological Stress in Humans and Its Relationship to Early Life Maternal Care: A Positron Emission Tomography Study Using [11C]Raclopride. Journal of Neuroscience, 2004, 24, 2825-2831.	1.7	622
7	Deactivation of the Limbic System During Acute Psychosocial Stress: Evidence from Positron Emission Tomography and Functional Magnetic Resonance Imaging Studies. Biological Psychiatry, 2008, 63, 234-240.	0.7	516
8	The brain and the stress axis: The neural correlates of cortisol regulation in response to stress. NeuroImage, 2009, 47, 864-871.	2.1	507
9	Focal Decline of Cortical Thickness in Alzheimer's Disease Identified by Computational Neuroanatomy. Cerebral Cortex, 2005, 15, 995-1001.	1.6	390
10	Self-Reported Depressive Symptoms and Stress Levels in Healthy Young Men: Associations With the Cortisol Response to Awakening. Psychosomatic Medicine, 2003, 65, 92-99.	1.3	346
11	Regional Frontal Cortical Volumes Decrease Differentially in Aging: An MRI Study to Compare Volumetric Approaches and Voxel-Based Morphometry. Neurolmage, 2002, 17, 657-669.	2.1	345
12	The Montreal Imaging Stress Task: using functional imaging to investigate the effects of perceiving and processing psychosocial stress in the human brain. Journal of Psychiatry and Neuroscience, 2005, 30, 319-25.	1.4	345
13	Neuropathology of stress. Acta Neuropathologica, 2014, 127, 109-135.	3.9	331
14	Multi-atlas segmentation of the whole hippocampus and subfields using multiple automatically generated templates. Neurolmage, 2014, 101, 494-512.	2.1	322
15	Impaired familiarity with preserved recollection after anterior temporal-lobe resection that spares the hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16382-16387.	3.3	285
16	Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. NeuroImage, 2015, 111, 526-541.	2.1	284
17	Volumetry of Temporopolar, Perirhinal, Entorhinal and Parahippocampal Cortex from High-resolution MR Images: Considering the Variability of the Collateral Sulcus. Cerebral Cortex, 2002, 12, 1342-1353.	1.6	282
18	Stress regulation in the central nervous system: evidence from structural and functional neuroimaging studies in human populations - 2008 Curt Richter Award Winner. Psychoneuroendocrinology, 2010, 35, 179-191.	1.3	267

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19	Decreased Cortical Representation of Genital Somatosensory Field After Childhood Sexual Abuse. American Journal of Psychiatry, 2013, 170, 616-623.	4.0	261
20	Self-esteem, locus of control, hippocampal volume, and cortisol regulation in young and old adulthood. NeuroImage, 2005, 28, 815-826.	2.1	260
21	Increased Stress-Induced Dopamine Release in Psychosis. Biological Psychiatry, 2012, 71, 561-567.	0.7	222
22	Towards accurate, automatic segmentation of the hippocampus and amygdala from MRI by augmenting ANIMAL with a template library and label fusion. NeuroImage, 2010, 52, 1355-1366.	2.1	215
23	Increasing correlations between personality traits and cortisol stress responses obtained by data aggregation. Psychoneuroendocrinology, 1997, 22, 615-625.	1.3	199
24	What Stress Does to Your Brain: A Review of Neuroimaging Studies. Canadian Journal of Psychiatry, 2009, 54, 6-15.	0.9	197
25	Reconsolidation of Human Memory: Brain Mechanisms and Clinical Relevance. Biological Psychiatry, 2014, 76, 274-280.	0.7	195
26	Sex differences in salivary cortisol reactivity to the Trier Social Stress Test (TSST): A meta-analysis. Psychoneuroendocrinology, 2017, 82, 26-37.	1.3	183
27	Maternal Care Modulates the Relationship between Prenatal Risk and Hippocampal Volume in Women But Not in Men. Journal of Neuroscience, 2007, 27, 2592-2595.	1.7	182
28	HPA system regulation and adult attachment anxiety: Individual differences in reactive and awakening cortisol. Psychoneuroendocrinology, 2008, 33, 581-590.	1.3	165
29	Investigation into the cross-correlation of salivary cortisol and alpha-amylase responses to psychological stress. Psychoneuroendocrinology, 2011, 36, 1294-1302.	1.3	164
30	The EADCâ€ADNI Harmonized Protocol for manual hippocampal segmentation on magnetic resonance: Evidence of validity. Alzheimer's and Dementia, 2015, 11, 111-125.	0.4	162
31	The salivary alpha amylase over cortisol ratio as a marker to assess dysregulations of the stress systems. Physiology and Behavior, 2012, 106, 65-72.	1.0	161
32	Low self-esteem, induced failure and the adrenocortical stress response. Personality and Individual Differences, 1999, 27, 477-489.	1.6	159
33	Estradiol levels modulate brain activity and negative responses to psychosocial stress across the menstrual cycle. Psychoneuroendocrinology, 2015, 59, 14-24.	1.3	152
34	Neural correlates of processing stressful information: An event-related fMRI study. Brain Research, 2009, 1293, 49-60.	1.1	146
35	A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. Hippocampus, 2017, 27, 3-11.	0.9	130
36	Hippocampus and amygdala volumes from magnetic resonance images in children: Assessing accuracy of FreeSurfer and FSL against manual segmentation. Neurolmage, 2016, 129, 1-14.	2.1	128

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37	The role of sex and gender socialization in stress reactivity Developmental Psychology, 2009, 45, 45-55.	1.2	126
38	Survey of Protocols for the Manual Segmentation of the Hippocampus: Preparatory Steps Towards a Joint EADC-ADNI Harmonized Protocol. Journal of Alzheimer's Disease, 2011, 26, 61-75.	1.2	125
39	Delphi definition of the EADCâ€ADNI Harmonized Protocol for hippocampal segmentation on magnetic resonance. Alzheimer's and Dementia, 2015, 11, 126-138.	0.4	123
40	Hippocampal volumes are larger in postmenopausal women using estrogen therapy compared to past users, never users and men: A possible window of opportunity effect. Neurobiology of Aging, 2008, 29, 95-101.	1.5	121
41	The associations among hippocampal volume, cortisol reactivity, and memory performance in healthy young men. Psychiatry Research - Neuroimaging, 2007, 155, 1-10.	0.9	120
42	Blunted endocrine and cardiovascular reactivity in young healthy women reporting a history of childhood adversity. Psychoneuroendocrinology, 2015, 51, 58-67.	1.3	117
43	Summary cortisol reactivity indicators: Interrelations and meaning. Neurobiology of Stress, 2015, 2, 34-43.	1.9	110
44	Early life stress modulates amygdalaâ€prefrontal functional connectivity: Implications for oxytocin effects. Human Brain Mapping, 2014, 35, 5328-5339.	1.9	106
45	Mindfulness-based resilience training to reduce health risk, stress reactivity, and aggression among law enforcement officers: A feasibility and preliminary efficacy trial. Psychiatry Research, 2018, 264, 104-115.	1.7	105
46	Scoring by nonlocal image patch estimator for early detection of Alzheimer's disease. NeuroImage: Clinical, 2012, 1, 141-152.	1.4	104
47	Structural imaging biomarkers of Alzheimer's disease: predicting disease progression. Neurobiology of Aging, 2015, 36, S23-S31.	1.5	101
48	Psychosocial stress is associated with in vivo dopamine release in human ventromedial prefrontal cortex: A positron emission tomography study using [18F]fallypride. NeuroImage, 2011, 58, 1081-1089.	2.1	95
49	Hippocampal shape analysis using medial surfaces. NeuroImage, 2005, 25, 1077-1089.	2.1	93
50	Sex and Gender Roles in Relation to Mental Health and Allostatic Load. Psychosomatic Medicine, 2016, 78, 788-804.	1.3	93
51	Attenuated cortisol response to acute psychosocial stress in individuals at ultra-high risk for psychosis. Schizophrenia Research, 2013, 146, 79-86.	1.1	92
52	Sex hormones adjust "sex-specific―reactive and diurnal cortisol profiles. Psychoneuroendocrinology, 2016, 63, 282-290.	1.3	84
53	Early life stress modulates oxytocin effects on limbic system during acute psychosocial stress. Social Cognitive and Affective Neuroscience, 2014, 9, 1828-1835.	1.5	80
54	Sexual Orientation Modulates Endocrine Stress Reactivity. Biological Psychiatry, 2015, 77, 668-676.	0.7	80

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55	Changes in the cortisol awakening response (CAR) following participation in Mindfulness-Based Stress Reduction in women who completed treatment for breast cancer. Complementary Therapies in Clinical Practice, 2011, 17, 65-70.	0.7	76
56	An acute psychosocial stress enhances the neural response to smoking cues. Brain Research, 2009, 1293, 40-48.	1.1	74
57	Reflections on the interaction of psychogenic stress systems in humans: The stress coherence/compensation model. Psychoneuroendocrinology, 2013, 38, 947-961.	1.3	69
58	Acute psychosocial stress reduces pain modulation capabilities in healthy men. Pain, 2014, 155, 2418-2425.	2.0	67
59	Association between subjective and cortisol stress response depends on the menstrual cycle phase. Psychoneuroendocrinology, 2013, 38, 3155-3159.	1.3	66
60	Group differences in anterior hippocampal volume and in the retrieval of spatial and temporal context memory in healthy young versus older adults. Neuropsychologia, 2010, 48, 4020-4030.	0.7	65
61	Perceived early-life maternal care and the cortisol response to repeated psychosocial stress. Journal of Psychiatry and Neuroscience, 2010, 35, 370-377.	1.4	64
62	Recollection and Familiarity in Aging Individuals with Mild Cognitive Impairment and Alzheimer's Disease: A Literature Review. Neuropsychology Review, 2014, 24, 313-331.	2.5	63
63	Relationship between hippocampal atrophy and neuropathology markers: A 7T MRI validation study of the EADCâ€ADNI HarmonizedÂHippocampal Segmentation Protocol. Alzheimer's and Dementia, 2015, 11, 139-150.	0.4	61
64	Amygdalaâ€"Hippocampal Connectivity Changes During Acute Psychosocial Stress: Joint Effect of Early Life Stress and Oxytocin. Neuropsychopharmacology, 2015, 40, 2736-2744.	2.8	60
65	Hippocampal activation during a cognitive task is associated with subsequent neuroendocrine and cognitive responses to psychological stress. Hippocampus, 2010, 20, 323-334.	0.9	58
66	Larger Amygdala Volume Mediates the Association Between Prenatal Maternal Stress and Higher Levels of Externalizing Behaviors: Sex Specific Effects in Project Ice Storm. Frontiers in Human Neuroscience, 2019, 13, 144.	1.0	58
67	Adult attachment insecurity and hippocampal cell density. Social Cognitive and Affective Neuroscience, 2010, 5, 39-47.	1.5	57
68	Blunted cortisol awakening response in men with first episode psychosis: Relationship to parental bonding. Psychoneuroendocrinology, 2013, 38, 229-240.	1.3	52
69	Suppressing the endocrine and autonomic stress systems does not impact the emotional stress experience after psychosocial stress. Psychoneuroendocrinology, 2017, 78, 125-130.	1.3	52
70	Impact of self-esteem and sex on stress reactions. Scientific Reports, 2017, 7, 17210.	1.6	50
71	Testing the ecological validity of the Trier Social Stress Test: Association with real-life exam stress. Psychoneuroendocrinology, 2017, 75, 52-55.	1.3	48
72	Reduced hippocampal volume and hypothalamus–pituitary–adrenal axis function in first episode psychosis: Evidence for sex differences. NeuroImage: Clinical, 2015, 7, 195-202.	1.4	43

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73	Effects of Self-Esteem on Age-Related Changes in Cognition and the Regulation of the Hypothalamic-Pituitary-Adrenal Axis. Annals of the New York Academy of Sciences, 2004, 1032, 186-194.	1.8	39
74	Limbic response to psychosocial stress in schizotypy: A functional magnetic resonance imaging study. Schizophrenia Research, 2011, 131, 184-191.	1.1	39
75	Sex differences in the cortisol response to awakening in recent onset psychosis. Psychoneuroendocrinology, 2008, 33, 1151-1154.	1.3	36
76	Association between Cold Face Testâ€induced vagal inhibition and cortisol response to acute stress. Psychophysiology, 2011, 48, 420-429.	1,2	36
77	Psychological, endocrine and neural responses to social evaluation in subclinical depression. Social Cognitive and Affective Neuroscience, 2014, 9, 1632-1644.	1.5	36
78	A comparison of accurate automatic hippocampal segmentation methods. NeuroImage, 2017, 155, 383-393.	2.1	35
79	The Combined Propranolol/TSST Paradigm – A New Method for Psychoneuroendocrinology. PLoS ONE, 2013, 8, e57567.	1.1	35
80	Dissociating patterns of anterior and posterior hippocampal activity and connectivity during distinct forms of category fluency. Neuropsychologia, 2016, 90, 148-158.	0.7	33
81	The Combined Dexamethasone/TSST Paradigm – A New Method for Psychoneuroendocrinology. PLoS ONE, 2012, 7, e38994.	1.1	32
82	Gonads and strife: Sex hormones vary according to sexual orientation for women and stress indices for both sexes. Psychoneuroendocrinology, 2016, 72, 119-130.	1.3	30
83	Conceptual endophenotypes: A strategy to advance the impact of psychoneuroendocrinology in precision medicine. Psychoneuroendocrinology, 2018, 89, 147-160.	1.3	22
84	Risk and Resilience in an Acute Stress Paradigm: Evidence From Salivary Cortisol and Time-Frequency Analysis of the Reward Positivity. Clinical Psychological Science, 2020, 8, 872-889.	2.4	21
85	Nicotine withdrawal alters neural responses to psychosocial stress. Psychopharmacology, 2016, 233, 2459-2467.	1.5	20
86	Systematic manipulations of the biological stress systems result in sex-specific compensatory stress responses and negative mood outcomes. Neuropsychopharmacology, 2020, 45, 1672-1680.	2.8	19
87	Intraoperative Maintenance of Normoglycemia with Insulin and Glucose Preserves Verbal Learning after Cardiac Surgery. PLoS ONE, 2014, 9, e99661.	1.1	19
88	Developmental changes in adolescents' neural response to challenge. Developmental Cognitive Neuroscience, 2011, 1, 560-569.	1.9	17
89	Sex Differences in the Personality and Cognitive Characteristics of First-Time DWI Offenders. Journal of Studies on Alcohol and Drugs, 2015, 76, 928-934.	0.6	17
90	Glucocorticoids and hippocampal atrophy after heart transplantation. Annals of Thoracic Surgery, 2002, 73, 1965-1967.	0.7	16

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91	Early-Life Stress Affects Stress-Related Prefrontal Dopamine Activity in Healthy Adults, but Not in Individuals with Psychotic Disorder. PLoS ONE, 2016, 11, e0150746.	1.1	16
92	Laughter yoga reduces the cortisol response to acute stress in healthy individuals. Stress, 2021, 24, 44-52.	0.8	15
93	Physiological adaptations to chronic stress in healthy humans – why might the sexes have evolved different energy utilisation strategies?. Journal of Physiology, 2016, 594, 4297-4307.	1.3	13
94	Endurance- and Resistance-Trained Men Exhibit Lower Cardiovascular Responses to Psychosocial Stress Than Untrained Men. Frontiers in Psychology, 2018, 9, 852.	1.1	13
95	Standardized massage interventions as protocols for the induction of psychophysiological relaxation in the laboratory: a block randomized, controlled trial. Scientific Reports, 2020, 10, 14774.	1.6	13
96	Acute Stress Reduces the Social Amplification of Risk Perception. Scientific Reports, 2020, 10, 7845.	1.6	13
97	Probiotic Mixture Containing Lactobacillus helveticus, Bifidobacterium longum and Lactiplantibacillus plantarum Affects Brain Responses to an Arithmetic Stress Task in Healthy Subjects: A Randomised Clinical Trial and Proof-of-Concept Study. Nutrients, 2022, 14, 1329.	1.7	13
98	n-Back task performance and corresponding brain-activation patterns in women with restrictive and bulimic eating-disorder variants: Preliminary findings. Psychiatry Research - Neuroimaging, 2015, 232, 84-91.	0.9	11
99	Interdependent self-construal, social evaluative threat and subjective, cardiovascular and neuroendocrine stress response in Chinese. Hormones and Behavior, 2018, 106, 112-121.	1.0	10
100	The dynamic interplay between acute psychosocial stress, emotion and autobiographical memory. Scientific Reports, 2018, 8, 8684.	1.6	10
101	The social transmission of stress in animal collectives. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212158.	1.2	10
102	Selective familiarity deficits in otherwise cognitively intact aging individuals with genetic risk for Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2016, 2, 132-139.	1.2	9
103	Stressâ€induced cortical dopamine response is altered in subjects at clinical high risk for psychosis using cannabis. Addiction Biology, 2020, 25, e12812.	1.4	9
104	Frequency of Penile–Vaginal Intercourse is Associated with Verbal Recognition Performance in Adult Women. Archives of Sexual Behavior, 2017, 46, 441-453.	1.2	8
105	Changes in self-esteem and chronic disease across adulthood: A 16-year longitudinal analysis. Social Science and Medicine, 2019, 242, 112600.	1.8	8
106	The duration of the cortisol awakening pulse exceeds sixty minutes in a meaningful pattern. Psychoneuroendocrinology, 2019, 105, 187-194.	1.3	8
107	The EADC-ADNI harmonized protocol for hippocampal segmentation: AÂvalidation study. NeuroImage, 2018, 181, 142-148.	2.1	7
108	Post-learning stress reduces the misinformation effect: effects of psychosocial stress on memory updating. Psychoneuroendocrinology, 2019, 102, 164-171.	1.3	7

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109	Brain Marker Links Stress and Nicotine Abstinence. Nicotine and Tobacco Research, 2020, 22, 885-891.	1.4	7
110	Stressed connections: cortisol levels following acute psychosocial stress disrupt affiliative mimicry in humans. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192941.	1.2	7
111	The impact of maternal care and blood glucose availability on the cortisol stress response in fasted women. Journal of Neural Transmission, 2021, 128, 1287-1300.	1.4	7
112	Working Memory Performance Under Stress. Experimental Psychology, 2020, 67, 132-139.	0.3	7
113	The Hippocampal–Ventral Medial Prefrontal Cortex Neurocircuitry Involvement in the Association of Daily Life Stress With Acute Perceived Stress and Cortisol Responses. Psychosomatic Medicine, 2022, 84, 276-287.	1.3	7
114	Neurobiological Correlates and Predictors of Two Distinct Personality Trait Pathways to Escalated Alcohol Use. EBioMedicine, 2018, 27, 86-93.	2.7	6
115	Sexual orientation moderates the association between parental overprotection and stress biomarker profiles. Psychology and Sexuality, 2018, 9, 204-220.	1.3	6
116	Lower Cortisol Activity is Associated with First-Time Driving while Impaired. Substance Abuse: Research and Treatment, 2015, 9, SART.S21353.	0.5	5
117	Relationship between d \tilde{A} $\tilde{\mathbb{Q}}$ \tilde{A} vu experiences and recognition-memory impairments in temporal-lobe epilepsy. Memory, 2019, 29, 1-11.	0.9	5
118	The hippocampal-to-ventricle ratio (HVR): Presentation of a manual segmentation protocol and preliminary evidence. NeuroImage, 2019, 203, 116108.	2.1	5
119	The effects of suppressing the biological stress systems on social threat-assessment following acute stress. Psychopharmacology, 2020, 237, 3047-3056.	1.5	5
120	Acute Stress-Induced Blood Lipid Reactivity in Hypertensive and Normotensive Men and Prospective Associations with Future Cardiovascular Risk. Journal of Clinical Medicine, 2021, 10, 3400.	1.0	5
121	Effects of psychological, sensory, and metabolic energy prime manipulation on the acute endocrine stress response in fasted women. Psychoneuroendocrinology, 2021, 134, 105452.	1.3	5
122	Examining cortical thickness in male and female DWI offenders. Neuroscience Letters, 2016, 619, 189-195.	1.0	4
123	Familiarity deficits in cognitively normal aging individuals with APOE Îμ4: A followâ€up investigation of medial temporal lobe structural correlates. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 9, 21-24.	1.2	4
124	Interaction of FKBP5 variant rs3800373 and city living alters the neural stress response in the anterior cingulate cortex. Stress, 2021, 24, 1-9.	0.8	4
125	The repeated Montreal Imaging Stress Test (rMIST): Testing habituation, sensitization, and anticipation effects to repeated stress induction. Psychoneuroendocrinology, 2021, 128, 105217.	1.3	4
126	Validation of an online version of the trier social stress test in adult men and women. Psychoneuroendocrinology, 2022, 142, 105818.	1.3	4

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127	Effects of self-esteem on electrophysiological correlates of easy and difficult math. Neurocase, 2013, 19, 470-477.	0.2	3
128	The effects of voice content on stress reactivity: A simulation paradigm of auditory verbal hallucinations. Schizophrenia Research, 2019, , .	1.1	3
129	IC-P-150: A UNIFIED ASSESSMENT OF FULLY AUTOMATED HIPPOCAMPUS SEGMENTATION METHODS. , 2014, 10 P86-P86.),	2
130	Biological Aspects of Self-Esteem and Stress. , 2015, , 385-395.		2
131	Response to editor to the comment by Bastin and Besson (2016) to our article entitled "Selective familiarity deficits in otherwise cognitively intact aging individuals with genetic risk for Alzheimer's disease― Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 6, 62-64.	1.2	1
132	Selective effects of psychosocial stress on plan based movement selection. Scientific Reports, 2022, 12, 5401.	1.6	1
133	New directions in psychoneuroendocrinology: from methods to applications. Expert Review of Endocrinology and Metabolism, 2011, 6, 769-771.	1.2	0