## Nicolas Rohleder

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8427151/publications.pdf

Version: 2024-02-01

142 13,201 53 112 papers citations h-index g-index

times ranked

citing authors

docs citations

all docs

#	Article	IF	CITATIONS
1	Salivary alpha-amylase as a non-invasive biomarker for the sympathetic nervous system: Current state of research. Psychoneuroendocrinology, 2009, 34, 486-496.	2.7	1,051
2	A meta-analysis of structural brain abnormalities in PTSD. Neuroscience and Biobehavioral Reviews, 2006, 30, 1004-1031.	6.1	788
3	A mechanism converting psychosocial stress into mononuclear cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1920-1925.	7.1	786
4	Human salivary alpha-amylase reactivity in a psychosocial stress paradigm. International Journal of Psychophysiology, 2005, 55, 333-342.	1.0	483
5	Determinants of the diurnal course of salivary alpha-amylase. Psychoneuroendocrinology, 2007, 32, 392-401.	2.7	481
6	Determinants of salivary $\hat{l}_{\pm}$ -amylase in humans and methodological considerations. Psychoneuroendocrinology, 2009, 34, 469-485.	2.7	474
7	Psychosocial Stressâ€Induced Activation of Salivary Alphaâ€Amylase: An Indicator of Sympathetic Activity?. Annals of the New York Academy of Sciences, 2004, 1032, 258-263.	3.8	416
8	Psychological determinants of the cortisol stress response: the role of anticipatory cognitive appraisal. Psychoneuroendocrinology, 2005, 30, 599-610.	2.7	400
9	Stimulation of Systemic Low-Grade Inflammation by Psychosocial Stress. Psychosomatic Medicine, 2014, 76, 181-189.	2.0	377
10	Salivary alpha amylase as marker for adrenergic activity during stress: Effect of betablockade. Psychoneuroendocrinology, 2006, 31, 137-141.	2.7	355
11	Hypocortisolism and increased glucocorticoid sensitivity of pro-Inflammatory cytokine production in Bosnian war refugees with posttraumatic stress disorder. Biological Psychiatry, 2004, 55, 745-751.	1.3	337
12	The cortisol response to awakening in relation to different challenge tests and a 12-hour cortisol rhythm. Life Sciences, 1999, 64, 1653-1660.	4.3	310
13	Neuroendocrine and psychometric evaluation of a placebo version of the †Trier Social Stress Test'. Psychoneuroendocrinology, 2009, 34, 1075-1086.	2.7	302
14	The psychosocial stress-induced increase in salivary alpha-amylase is independent of saliva flow rate. Psychophysiology, 2006, 43, 645-652.	2.4	254
15	Sex Differences in Glucocorticoid Sensitivity of Proinflammatory Cytokine Production After Psychosocial Stress. Psychosomatic Medicine, 2001, 63, 966-972.	2.0	237
16	Altered cortisol awakening response in posttraumatic stress disorder. Psychoneuroendocrinology, 2006, 31, 209-215.	2.7	237
17	The hypothalamic–pituitary–adrenal (HPA) axis in habitual smokers. International Journal of Psychophysiology, 2006, 59, 236-243.	1.0	229
18	Biologic Cost of Caring for a Cancer Patient: Dysregulation of Pro- and Anti-Inflammatory Signaling Pathways. Journal of Clinical Oncology, 2009, 27, 2909-2915.	1.6	228

#	Article	IF	Citations
19	Clinical Depression and Regulation of the Inflammatory Response During Acute Stress. Psychosomatic Medicine, 2005, 67, 679-687.	2.0	218
20	Role of interleukinâ€6 in stress, sleep, and fatigue. Annals of the New York Academy of Sciences, 2012, 1261, 88-96.	3.8	208
21	Stress and inflammation – The need to address the gap in the transition between acute and chronic stress effects. Psychoneuroendocrinology, 2019, 105, 164-171.	2.7	199
22	Stress on the Dance Floor: The Cortisol Stress Response to Social-Evaluative Threat in Competitive Ballroom Dancers. Personality and Social Psychology Bulletin, 2007, 33, 69-84.	3.0	194
23	Interleukin-6, Cortisol, and Depressive Symptoms in Ovarian Cancer Patients. Journal of Clinical Oncology, 2008, 26, 4820-4827.	1.6	172
24	Chronic Interpersonal Stress Predicts Activation of Pro- and Anti-Inflammatory Signaling Pathways 6 Months Later. Psychosomatic Medicine, 2009, 71, 57-62.	2.0	169
25	Acute stress responses in salivary alpha-amylase predict increases of plasma norepinephrine. Biological Psychology, 2012, 91, 342-348.	2.2	168
26	Salivary α-amylase stress reactivity across different age groups. Psychophysiology, 2010, 47, 587-595.	2.4	148
27	Glucocorticoid sensitivity of cognitive and inflammatory processes in depression and posttraumatic stress disorder. Neuroscience and Biobehavioral Reviews, 2010, 35, 104-114.	6.1	136
28	Associations between symptoms of depression and anxiety and cortisol responses to and recovery from acute stress. Psychoneuroendocrinology, 2019, 102, 44-52.	2.7	136
29	Self-compassion as a predictor of interleukin-6 response to acute psychosocial stress. Brain, Behavior, and Immunity, 2014, 37, 109-114.	4.1	131
30	The forest and the trees: Examining the association of self-compassion and its positive and negative components with psychological functioning. Self and Identity, 2018, 17, 627-645.	1.6	131
31	Stress-induced changes in LPS-induced pro-inflammatory cytokine production in chronic fatigue syndrome. Psychoneuroendocrinology, 2005, 30, 188-198.	2.7	126
32	Short-term estradiol treatment enhances pituitary-adrenal axis and sympathetic responses to psychosocial stress in healthy young men. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 3639-3643.	3.6	116
33	Acute and chronic stress induced changes in sensitivity of peripheral inflammatory pathways to the signals of multiple stress systems – 2011 Curt Richter Award Winner. Psychoneuroendocrinology, 2012, 37, 307-316.	2.7	108
34	Effects of Fasting and Glucose Load on Free Cortisol Responses to Stress and Nicotine $<$ sup $>$ 1 $<$ /sup $>$ . Journal of Clinical Endocrinology and Metabolism, 1997, 82, 1101-1105.	3.6	100
35	Impact of oral contraceptive use on glucocorticoid sensitivity of pro-inflammatory cytokine production after psychosocial stress. Psychoneuroendocrinology, 2003, 28, 261-273.	2.7	100
36	Glucocorticoid Sensitivity in Humans-Interindividual Differences and Acute Stress Effects. Stress, 2003, 6, 207-222.	1.8	100

#	Article	IF	CITATIONS
37	Stress-Induced Cortisol Level Elevations Are Associated With Reduced Negative Affect After Stress. Psychosomatic Medicine, 2012, 74, 23-32.	2.0	98
38	Glucose but Not Protein or Fat Load Amplifies the Cortisol Response to Psychosocial Stress. Hormones and Behavior, 2002, 41, 328-333.	2.1	95
39	Age and sex steroid-related changes in glucocorticoid sensitivity of pro-inflammatory cytokine production after psychosocial stress. Journal of Neuroimmunology, 2002, 126, 69-77.	2.3	95
40	Sleep quality but not sleep quantity effects on cortisol responses to acute psychosocial stress. Stress, 2015, 18, 638-644.	1.8	94
41	HPA-axis and inflammatory reactivity to acute stress is related with basal HPA-axis activity. Psychoneuroendocrinology, 2017, 78, 168-176.	2.7	93
42	Effects of Fasting and Glucose Load on Free Cortisol Responses to Stress and Nicotine. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 1101-1105.	3.6	91
43	Targeted Rejection Triggers Differential Pro- and Anti-Inflammatory Gene Expression in Adolescents as a Function of Social Status. Clinical Psychological Science, 2013, 1, 30-40.	4.0	89
44	Determinants of the NF-κB response to acute psychosocial stress in humans. Brain, Behavior, and Immunity, 2009, 23, 742-749.	4.1	79
45	Aging diurnal rhythms and chronic stress: Distinct alteration of diurnal rhythmicity of salivary î±-amylase and cortisol. Biological Psychology, 2010, 84, 248-256.	2.2	78
46	Healthy working school teachers with high effort–reward-imbalance and overcommitment show increased pro-inflammatory immune activity and a dampened innate immune defence. Brain, Behavior, and Immunity, 2010, 24, 1332-1339.	4.1	75
47	Post-stress rumination predicts HPA axis responses to repeated acute stress. Psychoneuroendocrinology, 2014, 49, 244-252.	2.7	70
48	Measures of adiposity predict interleukin-6 responses to repeated psychosocial stress. Brain, Behavior, and Immunity, 2014, 42, 33-40.	4.1	68
49	The psychobiology of trait shame in young women: Extending the social self preservation theory Health Psychology, 2008, 27, 523-532.	1.6	66
50	Self-compassionate young adults show lower salivary alpha-amylase responses to repeated psychosocial stress. Self and Identity, 2015, 14, 390-402.	1.6	66
51	Less immune activation following social stress in rural vs. urban participants raised with regular or no animal contact, respectively. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5259-5264.	7.1	62
52	Predicting the failure of disc surgery by a hypofunctional HPA axis: evidence from a prospective study on patients undergoing disc surgery. Pain, 2005, 114, 104-117.	4.2	61
53	Evidence for an association between an enhanced reactivity of interleukin-6 levels and reduced glucocorticoid sensitivity in patients with fibromyalgia. Psychoneuroendocrinology, 2012, 37, 671-684.	2.7	59
54	Health and Diseaseâ€"Emergent States Resulting From Adaptive Social and Biological Network Interactions. Frontiers in Medicine, 2019, 6, 59.	2.6	57

#	Article	IF	CITATIONS
55	Altered salivary alpha-amylase awakening response in Bosnian War refugees with posttraumatic stress disorder. Psychoneuroendocrinology, 2012, 37, 810-817.	2.7	50
56	The Use of Smartphones as a Digital Security Blanket: The Influence of Phone Use and Availability on Psychological and Physiological Responses to Social Exclusion. Psychosomatic Medicine, 2018, 80, 345-352.	2.0	49
57	Distraction coping predicts better cortisol recovery after acute psychosocial stress. Biological Psychology, 2017, 128, 117-124.	2.2	46
58	Salivary biomarkers in psychoneuroimmunology. Current Opinion in Behavioral Sciences, 2019, 28, 58-65.	3.9	46
59	Effort–reward-imbalance in healthy teachers is associated with higher LPS-stimulated production and lower glucocorticoid sensitivity of interleukin-6 in vitro. Biological Psychology, 2013, 92, 403-409.	2.2	44
60	Associations of prenatal depressive symptoms with DNA methylation of HPA axis-related genes and diurnal cortisol profiles in primary school-aged children. Development and Psychopathology, 2019, 31, 419-431.	2.3	44
61	Clinical Ecopsychology: The Mental Health Impacts and Underlying Pathways of the Climate and Environmental Crisis. Frontiers in Psychiatry, 2021, 12, 675936.	2.6	38
62	No response of plasma substance P, but delayed increase of interleukin-1 receptor antagonist to acute psychosocial stress. Life Sciences, 2006, 78, 3082-3089.	4.3	36
63	Blunted Diurnal Cortisol Activity in Healthy Adults with Childhood Adversity. Frontiers in Human Neuroscience, 2017, 11, 574.	2.0	35
64	Biopsychosocial approach to understanding resilience: Stress habituation and where to intervene. Journal of Evaluation in Clinical Practice, 2018, 24, 1339-1346.	1.8	33
65	Response and habituation of pro- and anti-inflammatory gene expression to repeated acute stress. Brain, Behavior, and Immunity, 2015, 46, 237-248.	4.1	32
66	Increased alphaâ€nmylase response to an acute psychosocial stress challenge in healthy adults with childhood adversity. Developmental Psychobiology, 2017, 59, 91-98.	1.6	32
67	Role of endocrine and inflammatory alterations in comorbid somatic diseases of post-traumatic stress disorder. Minerva Endocrinologica, 2006, 31, 273-88.	1.8	32
68	Effects of nutrition on neuro-endocrine stress responses. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 504-510.	2.5	31
69	Effects of cortisol on emotional but not on neutral memory are correlated with peripheral glucocorticoid sensitivity of inflammatory cytokine production. International Journal of Psychophysiology, 2009, 72, 74-80.	1.0	31
70	The Stress and Adversity Inventory for Adults (Adult STRAIN) in German: An overview and initial validation. PLoS ONE, 2019, 14, e0216419.	2.5	29
71	Time course of the physiological stress response to an acute stressor and its associations with the primacy and recency effect of the serial position curve. PLoS ONE, 2019, 14, e0213883.	2.5	29
72	Acute deviations from long-term trait depressive symptoms predict systemic inflammatory activity. Brain, Behavior, and Immunity, 2008, 22, 709-716.	4.1	28

#	Article	IF	CITATIONS
73	Stronger hypothalamus-pituitary-adrenal axis habituation predicts lesser sensitization of inflammatory response to repeated acute stress exposures in healthy young adults. Brain, Behavior, and Immunity, 2017, 61, 228-235.	4.1	28
74	Sex-specific adaptation of endocrine and inflammatory responses to repeated nauseogenic body rotation. Psychoneuroendocrinology, 2006, 31, 226-236.	2.7	27
75	Power poses – where do we stand?. Comprehensive Results in Social Psychology, 2017, 2, 139-141.	1.8	25
76	Lower stress system activity and higher peripheral inflammation in competitive ballroom dancers. Biological Psychology, 2012, 91, 357-364.	2.2	24
77	Trajectories of relationship stress and inflammatory processes in adolescence. Development and Psychopathology, 2016, 28, 127-138.	2.3	23
78	An Overview of the Feasibility of Permanent, Real-Time, Unobtrusive Stress Measurement with Current Wearables., 2019,,.		23
79	Mitochondrial respiratory capacity modulates LPS-induced inflammatory signatures in human blood. Brain, Behavior, & Immunity - Health, 2020, 5, 100080.	2.5	23
80	Monocyte proinflammatory cytokine release is higher and glucocorticoid sensitivity is lower in middle aged men than in women independent of cardiovascular risk factors. Heart, 2004, 90, 853-858.	2.9	22
81	Endocrine and inflammatory alterations in post-traumatic stress disorder. Expert Review of Endocrinology and Metabolism, 2007, 2, 91-122.	2.4	22
82	Glucocorticoid receptor mediated negative feedback in chronic fatigue syndrome using the low dose (0.5Âmg) dexamethasone suppression test. Journal of Affective Disorders, 2009, 112, 289-294.	4.1	22
83	Acute psychosocial stress induces differential short-term changes in catecholamine sensitivity of stimulated inflammatory cytokine production. Brain, Behavior, and Immunity, 2015, 43, 139-148.	4.1	22
84	Habitual sleep quality and diurnal rhythms of salivary cortisol and dehydroepiandrosterone in postmenopausal women. Psychoneuroendocrinology, 2017, 84, 172-180.	2.7	22
85	Higher trait reappraisal predicts stronger HPA axis habituation to repeated stress. Psychoneuroendocrinology, 2019, 101, 12-18.	2.7	22
86	Dysregulated stress signal sensitivity and inflammatory disinhibition as a pathophysiological mechanism of stress-related chronic fatigue. Neuroscience and Biobehavioral Reviews, 2016, 68, 298-318.	6.1	20
87	Burnout, hair cortisol, and timing: Hyper- or hypocortisolism?. Psychoneuroendocrinology, 2018, 87, 215-217.	2.7	19
88	Resistance training as an acute stressor in healthy young men: associations with heart rate variability, alpha-amylase, and cortisol levels. Stress, 2021, 24, 318-330.	1.8	19
89	Contactless analysis of heart rate variability during cold pressor test using radar interferometry and bidirectional LSTM networks. Scientific Reports, 2021, 11, 3025.	3.3	19
90	Neuroendocrine coordination and youth behavior problems: A review of studies assessing sympathetic nervous system and hypothalamic-pituitary adrenal axis activity using salivary alpha amylase and salivary cortisol. Hormones and Behavior, 2020, 122, 104750.	2.1	18

#	Article	IF	Citations
91	Enhanced glucocorticoid sensitivity in patients with chronic fatigue syndrome. Acta Neuropsychiatrica, 2003, 15, 184-191.	2.1	17
92	Childhood Physical Neglect Is Associated With Exaggerated Systemic and Intracellular Inflammatory Responses to Repeated Psychosocial Stress in Adulthood. Frontiers in Psychiatry, 2020, 11, 504.	2.6	17
93	Time matters – Acute stress response and glucocorticoid sensitivity in early multiple sclerosis. Brain, Behavior, and Immunity, 2014, 41, 82-89.	4.1	16
94	Associations between Attention and Implicit Associative Learning in Healthy Adults: The Role of Cortisol and Salivary Alpha-Amylase Responses to an Acute Stressor. Brain Sciences, 2020, 10, 544.	2.3	16
95	An Evaluation of Speech-Based Recognition of Emotional and Physiological Markers of Stress. Frontiers in Computer Science, 2021, 3, .	2.8	15
96	Associations of working conditions and chronic low-grade inflammation among employees: a systematic review and meta-analysis. Scandinavian Journal of Work, Environment and Health, 2021, 47, 565-581.	3.4	14
97	Evaluation of the socially evaluated cold-pressor group test (SECPT-G) in the general population. PeerJ, 2019, 7, e7521.	2.0	13
98	Physiological stress in response to multitasking and work interruptions: Study protocol. PLoS ONE, 2022, 17, e0263785.	2.5	13
99	MRI as a Stressor: The Psychological and Physiological Response of Patients to MRI, Influencing Factors, and Consequences. Journal of the American College of Radiology, 2022, 19, 423-432.	1.8	11
100	Association of blood pressure and antihypertensive drugs with diurnal alpha-amylase activity. International Journal of Psychophysiology, 2011, 81, 31-37.	1.0	10
101	The Stroop Room: A Virtual Reality-Enhanced Stroop Test. , 2019, , .		10
102	<p>Safety of a Combined WB-EMS and High-Protein Diet Intervention in Sarcopenic Obese Elderly Men</p> . Clinical Interventions in Aging, 2020, Volume 15, 953-967.	2.9	10
103	Interleukin-6 secretion upon acute psychosocial stress as a potential predictor of psychotherapy outcome in posttraumatic stress disorder. Journal of Neural Transmission, 2021, 128, 1301-1310.	2.8	10
104	Determinants of altered intracellular endocrine-immune interplay in Bosnian war refugees suffering from PTSD. Biological Psychology, 2016, 118, 1-7.	2.2	9
105	Activation of the hypothalamic-pituitary adrenal axis in response to a verbal fluency task and associations with task performance. PLoS ONE, 2020, 15, e0227721.	2.5	9
106	Variability in stress system regulatory control of inflammation: a critical factor mediating health effects of stress. Expert Review of Endocrinology and Metabolism, 2011, 6, 269-278.	2.4	8
107	Transtheoretical Model of Behavior Change. , 2013, , 1997-2000.		8
108	Executive functioning as a predictor of physiological and subjective acute stress responses in non-clinical adult populations: A systematic literature review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2021, 131, 1096-1115.	6.1	8

#	Article	IF	CITATIONS
109	BioPsyKit: A Python package for the analysis of biopsychological data. Journal of Open Source Software, 2021, 6, 3702.	4.6	8
110	Theory of Reasoned Action. , 2013, , 1964-1967.		6
111	Does that pose become you? Testing the effect of body postures on self-concept. Comprehensive Results in Social Psychology, 2017, 2, 81-105.	1.8	6
112	The effect of perceived appearance judgements on psychological and biological stress processes across adulthood. Stress and Health, 2019, 35, 318-329.	2.6	6
113	Association of working conditions including digital technology use and systemic inflammation among employees: study protocol for a systematic review. Systematic Reviews, 2020, 9, 221.	5.3	6
114	Association of Prenatal Alcohol Exposure and Prenatal Maternal Depression with Offspring Low-Grade Inflammation in Early Adolescence. International Journal of Environmental Research and Public Health, 2021, 18, 7920.	2.6	6
115	Differences in stress system (re-)activity between single and dual- or multitasking in healthy adults: a systematic review and meta-analysis. Health Psychology Review, 2023, 17, 78-103.	8.6	6
116	Chronic Stress and Disease. , 2016, , 201-214.		5
117	Classification of Acute Stress-Induced Response Patterns. , 2019, , .		5
118	Associations Between C-Reactive Protein Levels, Exercise Addiction, and Athlete Burnout in Endurance Athletes. Frontiers in Psychology, 2021, 12, 615715.	2.1	5
119	Preventing acute stress-induced inflammatory disinhibition by aspirin: What does it tell us about the mechanism?. Brain, Behavior, and Immunity, 2008, 22, 148-149.	4.1	4
120	Translating biobehavioral research advances into improvements in health careâ€"a "network of networks―approach to multimorbidity. Journal of Evaluation in Clinical Practice, 2017, 23, 230-232.	1.8	4
121	Age differences in the relationship between cortisol and emotional memory Psychology and Aging, 2019, 34, 655-664.	1.6	4
122	Association of the Salivary Microbiome With Animal Contact During Early Life and Stress-Induced Immune Activation in Healthy Participants. Frontiers in Psychiatry, 2020, 11, 353.	2.6	3
123	Associations between social burden, perceived stress, and diurnal cortisol profiles in older adults: implications for cognitive aging. European Journal of Ageing, 2021, 18, 575-590.	2.8	3
124	Physiological stress in safer cycling in older age (SiFAr-stress): effect of a multicomponent exercise interventionâ€"a study protocol for a randomized controlled trial. Trials, 2021, 22, 552.	1.6	3
125	Comparison of C-Reactive Protein in Dried Blood Spots and Saliva of Healthy Adolescents. Frontiers in Immunology, 2021, 12, 795580.	4.8	3
126	Higher Peripheral Inflammation Is Associated With Lower Orbitofrontal Gamma Power in Chronic Tinnitus. Frontiers in Behavioral Neuroscience, 2022, 16, 883926.	2.0	3

#	Article	IF	Citations
127	Effects of psychosocial stress on prosociality: the moderating role of current life stress and thought control. Stress, 2022, 25, 235-245.	1.8	3
128	Adding another level of complexity to the depressionâ€"inflammation link: What mediates the mediator?. Brain, Behavior, and Immunity, 2009, 23, 411-412.	4.1	2
129	Stress System Regulation of Chronic Low-grade Inflammation. Advances in Neuroimmune Biology, 2012, 3, 265-276.	0.7	1
130	Statement of Retraction: Cognitive Behaviour Therapy. Cognitive Behaviour Therapy, 2014, 43, 169-169.	3.5	1
131	Assessing the Influence of the Inner Clock on the Cortisol Awakening Response and Pre-Awakening Movement., 2021,,.		1
132	Commentary: Connecting cytokines to distress via cortisol concentrations. Brain, Behavior, and Immunity, 2021, 95, 21-22.	4.1	1
133	Nausea-induced alterations of cellular immunity (IL-6, TNFα). Gastroenterology, 2003, 124, A672.	1.3	O
134	48. PTSD: Changes in signal transduction pathways central to the endocrine-immune interplay. Brain, Behavior, and Immunity, 2009, 23, S23.	4.1	0
135	A snapshot of the inner workings of the inflammatory machinery in PTSD with early trauma. Brain, Behavior, and Immunity, 2012, 26, 11-12.	4.1	O
136	Telomere and Telomerase., 2013,, 1959-1960.		0
137	Tinnitus and Cognitive Behavior Therapy. , 2013, , 1977-1980.		0
138	Theory of Planned Behavior., 2013,, 1964-1964.		0
139	Effect of induced rumination on cortisol habituation to repeated acute stress. Psychoneuroendocrinology, 2020, 119, 105018.	2.7	O
140	Interleukins, -1 (IL-1), -6 (IL-6), -18 (IL-18). , 2020, , 1210-1212.		0
141	Tumor Necrosis Factor-Alpha (TNF-Alpha). , 2020, , 2280-2281.		0
142	A laboratory medical anamnesis interview elicits psychological and physiological arousal. Stress, 2022, 25, 57-66.	1.8	0