Gary G Berntson

List of Publications by Year
in descending order

72 papers	11,184 citations	76196 40 h-index	114278 63 g-index
77 all docs	77 docs citations	77 times ranked	9364 citing authors

#	Article	IF	Citations
1	Heart rate variability: Origins, methods, and interpretive caveats. Psychophysiology, 1997, 34, 623-648.	1.2	2,945
2	Loneliness and Health: Potential Mechanisms. Psychosomatic Medicine, 2002, 64, 407-417.	1.3	824
3	Respiratory sinus arrhythmia: Autonomic origins, physiological mechanisms, and psychophysiological implications. Psychophysiology, 1993, 30, 183-196.	1.2	734
4	Autonomic determinism: The modes of autonomic control, the doctrine of autonomic space, and the laws of autonomic constraint.. Psychological Review, 1991, 98, 459-487.	2.7	636
5	Autonomic cardiac control. III. Psychological stress and cardiac response in autonomic space as revealed by pharmacological blockades. Psychophysiology, 1994, 31, 599-608.	1.2	372
6	Autonomic cardiac control. II. Noninvasive indices and basal response as revealed by autonomic blockades. Psychophysiology, 1994, 31, 586-598.	1.2	346
7	Cardiac psychophysiology and autonomic space in humans: Empirical perspectives and conceptual implications.. Psychological Bulletin, 1993, 114, 296-322.	5.5	340
8	An Approach to Artifact Identification: Application to Heart Period Data. Psychophysiology, 1990, 27, 586-598.	1.2	336
9	Brain imaging and cognitive neuroscience: Toward strong inference in attributing function to structure.. American Psychologist, 1996, 51, 13-21.	3.8	286
10	Autonomic space and psychophysiological response. Psychophysiology, 1994, 31, 44-61.	1.2	238
11	Cardiac autonomic balance versus cardiac regulatory capacity. Psychophysiology, 2008, 45, 643-652.	1.2	231
12	Anxiety and cardiovascular reactivity: the basal forebrain cholinergic link. Behavioural Brain Research, 1998, 94, 225-248.	1.2	228
13	Autonomic, Neuroendocrine, and Immune Responses to Psychological Stress: The Reactivity Hypothesisa. Annals of the New York Academy of Sciences, 1998, 840, 664-673.	1.8	202
14	Individual differences in the autonomic origins of heart rate reactivity: The psychometrics of respiratory sinus arrhythmia and preejection period. Psychophysiology, 1994, 31, 412-419.	1.2	201
15	Oxytocin increases autonomic cardiac control: Moderation by loneliness. Biological Psychology, 2011, 86, 174-180.	1.1	181
16	Where to B in dZ/dt. Psychophysiology, 2007, 44, 113-9.	1.2	178
17	Where to Q in PEP. Psychophysiology, 2004, 41, 333-337.	1.2	169
18	ECG artifacts and heart period variability: Don't miss a beat!. Psychophysiology, 1998, 35, 127-132.	1.2	163

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19	Filter properties of root mean square successive difference (RMSSD) for heart rate. Psychophysiology, 2005, 42, 246-252.	1.2	154
20	Ascending visceral regulation of cortical affective information processing. European Journal of Neuroscience, 2003, 18, 2103-2109.	1.2	150
21	Neural Circuits of Interoception. Trends in Neurosciences, 2021, 44, 17-28.	4.2	148
22	Should heart rate variability be â€œcorrectedâ€•for heart rate? Biological, quantitative, and interpretive considerations. Psychophysiology, 2019, 56, e13287.	1.2	138
23	Whither vagal tone. Biological Psychology, 2007, 74, 295-300.	1.1	136
24	Impedance pneumography: Noise as signal in impedance cardiography. Psychophysiology, 1999, 36, 333-338.	1.2	133
25	The metrics of cardiac chronotropism: Biometric perspectives. Psychophysiology, 1995, 32, 162-171.	1.2	122
26	Acute stress evokes selective mobilization of T cells that differ in chemokine receptor expression: a potential pathway linking immunologic reactivity to cardiovascular disease. Brain, Behavior, and Immunity, 2003, 17, 251-259.	2.0	95
27	Autonomic and neuroendocrine responses to mild psychological stressors: Effects of chronic stress on older women. Annals of Behavioral Medicine, 2000, 22, 140-148.	1.7	86
28	Overcoming response bias using symbolic representations of number by chimpanzees (Pan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.4	85
29	Autonomic cardiac control. I. Estimation and validation from pharmacological blockades. Psychophysiology, 1994, 31, 572-585.	1.2	81
30	Amygdala contribution to selective dimensions of emotion. Social Cognitive and Affective Neuroscience, 2007, 2, 123-129.	1.5	79
31	Up- and down-regulating facial disgust: Affective, vagal, sympathetic, and respiratory consequences. Biological Psychology, 2006, 71, 90-99.	1.1	78
32	Conspecific screams and laughter: Cardiac and behavioral reactions of infant chimpanzees. Developmental Psychobiology, 1989, 22, 771-787.	0.9	71
33	Origins of baseline variance and the Law of Initial Values. Psychophysiology, 1994, 31, 204-210.	1.2	65
34	Autonomic origins of cardiac responses to nonsignal stimuli in the rat.. Behavioral Neuroscience, 1990, 104, 751-762.	0.6	64
35	Variation in the oxytocin receptor gene influences neurocardiac reactivity to social stress and HPA function: A population based study. Hormones and Behavior, 2012, 61, 134-139.	1.0	61
36	Neuroendocrine and cardiovascular reactivity to stress in mid-aged and older women: Long-term temporal consistency of individual differences. Psychophysiology, 2003, 40, 358-369.	1.2	60

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37	Spirituality and Autonomic Cardiac Control. Annals of Behavioral Medicine, 2008, 35, 198-208.	1.7	49
38	Autonomic interactions and chronotropic control of the heart: Heart period versus heart rate. Psychophysiology, 1996, 33, 605-611.	1.2	46
39	Psychotogenic properties of benzodiazepine receptor inverse agonists. Psychopharmacology, 2001, 156, 1-13.	1.5	46
40	Social interaction modulates autonomic, inflammatory, and depressive-like responses to cardiac arrest and cardiopulmonary resuscitation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16342-16347.	3.3	44
41	Psychobiology and Social Psychology: Past, Present, and Future. Personality and Social Psychology Review, 2000, 4, 3-15.	3.4	43
42	Cardiovascular Psychophysiology. , 0, , 183-216.		40
43	Brainstem Systems and Grooming Behaviors. Annals of the New York Academy of Sciences, 1988, 525, 350-362.	1.8	38
44	Effect of nucleus basalis magnocellularis cholinergic lesions on fear-like and anxiety-like behavior.. Behavioral Neuroscience, 2006, 120, 307-312.	0.6	29
45	Vagal stimulation and cardiac chronotropy in rats. Journal of the Autonomic Nervous System, 1992, 41, 221-226.	1.9	25
46	A non-contact technique for measuring eccrine sweat gland activity using passive thermal imaging. International Journal of Psychophysiology, 2014, 94, 25-34.	0.5	24
47	Cardiovascular effects of the benzodiazepine receptor partial inverse agonist FG 7142 in rats. Behavioural Brain Research, 1994, 62, 11-20.	1.2	23
48	Heart Rate Variability: A Neuroscientific Perspective for Further Studies. Journal of Interventional Cardiac Electrophysiology, 1999, 3, 279-282.	0.9	19
49	Heart Rate Variability Predicts Cell Death and Inflammatory Responses to Global Cerebral Ischemia. Frontiers in Physiology, 2012, 3, 131.	1.3	19
50	Cardiovascular and endocrine reactivity in older females: Intertask consistency. Psychophysiology, 2001, 38, 863-872.	1.2	17
51	ECG artifacts and heart period variability: Don't miss a beat!. , 1998, 35, 127.		17
52	Vocal perception: Brain event-related potentials in a chimpanzee. Developmental Psychobiology, 1993, 26, 305-319.	0.9	16
53	Impedance cardiography in healthy children and children with congenital heart disease: Improving stroke volume assessment. International Journal of Psychophysiology, 2017, 120, 136-147.	0.5	16
54	Social neuroscience. Wiley Interdisciplinary Reviews: Cognitive Science, 2010, 1, 60-68.	1.4	15

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55	Presidential Address 2011: Autonomic modes of control and health. Psychophysiology, 2019, 56, e13306.	1.2	14
56	Cardiac orienting and habituation to auditory and vibrotactile stimuli in the infant decerebrate rat. Developmental Psychobiology, 1985, 18, 545-558.	0.9	13
57	Photoperiod alters autonomic regulation of the heart. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4525-4530.	3.3	13
58	The cardiovascular startle response: Anxiety and the benzodiazepine receptor complex. Psychophysiology, 1997, 34, 348-357.	1.2	12
59	The Brain, Homeostasis, and Health: Balancing Demands of the Internal and External Milieu. , 0, , 121-137.		9
60	Evolution of neuroarchitecture, multi-level analyses and calibrative reductionism. Interface Focus, 2012, 2, 65-73.	1.5	8
61	Psychophysiology. , 0, , 123-138.		5
62	Statistical modelling of the differences between successive R-R intervals. Statistics in Medicine, 2005, 24, 437-451.	0.8	5
63	Cortical modulation by nucleus basalis magnocellularis corticopetal cholinergic neurons during anxiety-like states is reflected by decreases in delta. Brain Research, 2008, 1227, 142-152.	1.1	5
64	Nucleus basalis magnocellularis and substantia innominata corticopetal cholinergic lesions attenuate freezing induced by predator odor.. Behavioral Neuroscience, 2008, 122, 601-610.	0.6	4
65	From Homeostasis to Allodynamic Regulation. , 0, , 401-426.		3
66	Multilevel analysis: Integrating multiple levels of neurobehavioral systems. Social Neuroscience, 2021, 16, 18-25.	0.7	3
67	Social Neuroscience and the Modern Synthesis of Social and Biological Levels of Analysis. Handbooks of Sociology and Social Research, 2013, , 67-81.	0.1	2
68	John T. Cacioppo (1951â€“2018). Psychophysiology, 2018, 55, e13200.	1.2	2
69	Developmental Processes. , 0, , 495-510.		1
70	Cerebellar contributions to response selection. Behavioral and Brain Sciences, 1979, 2, 214-215.	0.4	0
71	Underconstrained thalamic activation + underconstrained top-down modulation of cortical input processing = underconstrained perceptions. Behavioral and Brain Sciences, 2004, 27, 803-804.	0.4	0
72	Social Neuroscience of Evaluative Motivation. , 2011, , .		0