

Gary G Berntson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

9,131
citations

39
h-index

77
g-index

77
ext. papers

9,987
ext. citations

4.7
avg, IF

5.7
L-index

#	Paper	IF	Citations
73	Heart rate variability: origins, methods, and interpretive caveats. <i>Psychophysiology</i> , 1997 , 34, 623-48	4.1	2365
72	Respiratory sinus arrhythmia: autonomic origins, physiological mechanisms, and psychophysiological implications. <i>Psychophysiology</i> , 1993 , 30, 183-96	4.1	619
71	Loneliness and health: potential mechanisms. <i>Psychosomatic Medicine</i> , 2002 , 64, 407-17	3.7	614
70	Autonomic determinism: the modes of autonomic control, the doctrine of autonomic space, and the laws of autonomic constraint. <i>Psychological Review</i> , 1991 , 98, 459-87	6.3	541
69	Autonomic cardiac control. III. Psychological stress and cardiac response in autonomic space as revealed by pharmacological blockades. <i>Psychophysiology</i> , 1994 , 31, 599-608	4.1	323
68	Autonomic cardiac control. II. Noninvasive indices and basal response as revealed by autonomic blockades. <i>Psychophysiology</i> , 1994 , 31, 586-98	4.1	303
67	Cardiac psychophysiology and autonomic space in humans: empirical perspectives and conceptual implications. <i>Psychological Bulletin</i> , 1993 , 114, 296-322	19.1	291
66	An approach to artifact identification: application to heart period data. <i>Psychophysiology</i> , 1990 , 27, 586-98	4.1	291
65	Brain imaging and cognitive neuroscience: Toward strong inference in attributing function to structure.. <i>American Psychologist</i> , 1996 , 51, 13-21	9.5	266
64	Autonomic space and psychophysiological response. <i>Psychophysiology</i> , 1994 , 31, 44-61	4.1	204
63	Anxiety and cardiovascular reactivity: the basal forebrain cholinergic link. <i>Behavioural Brain Research</i> , 1998 , 94, 225-48	3.4	203
62	Cardiac autonomic balance versus cardiac regulatory capacity. <i>Psychophysiology</i> , 2008 , 45, 643-52	4.1	179
61	Individual differences in the autonomic origins of heart rate reactivity: the psychometrics of respiratory sinus arrhythmia and preejection period. <i>Psychophysiology</i> , 1994 , 31, 412-9	4.1	177
60	Autonomic, neuroendocrine, and immune responses to psychological stress: the reactivity hypothesis. <i>Annals of the New York Academy of Sciences</i> , 1998 , 840, 664-73	6.5	172
59	Where to Q in PEP. <i>Psychophysiology</i> , 2004 , 41, 333-7	4.1	152
58	Oxytocin increases autonomic cardiac control: moderation by loneliness. <i>Biological Psychology</i> , 2011 , 86, 174-80	3.2	147
57	Where to B in dZ/dt. <i>Psychophysiology</i> , 2007 , 44, 113-9	4.1	145

56	ECG artifacts and heart period variability: Don't miss a beat!. <i>Psychophysiology</i> , 1998 , 35, 127-132	4.1	141
55	Ascending visceral regulation of cortical affective information processing. <i>European Journal of Neuroscience</i> , 2003 , 18, 2103-9	3.5	137
54	Filter properties of root mean square successive difference (RMSSD) for heart rate. <i>Psychophysiology</i> , 2005 , 42, 246-52	4.1	123
53	Whither vagal tone. <i>Biological Psychology</i> , 2007 , 74, 295-300	3.2	104
52	Impedance pneumography: noise as signal in impedance cardiography. <i>Psychophysiology</i> , 1999 , 36, 333-8	4.1	103
51	The metrics of cardiac chronotropism: biometric perspectives. <i>Psychophysiology</i> , 1995 , 32, 162-71	4.1	102
50	Heart Rate Variability: Stress and Psychiatric Conditions		94
49	Acute stress evokes selective mobilization of T cells that differ in chemokine receptor expression: a potential pathway linking immunologic reactivity to cardiovascular disease. <i>Brain, Behavior, and Immunity</i> , 2003 , 17, 251-9	16.6	83
48	Should heart rate variability be "corrected" for heart rate? Biological, quantitative, and interpretive considerations. <i>Psychophysiology</i> , 2019 , 56, e13287	4.1	77
47	Autonomic and neuroendocrine responses to mild psychological stressors: effects of chronic stress on older women. <i>Annals of Behavioral Medicine</i> , 2000 , 22, 140-8	4.5	76
46	Autonomic cardiac control. I. Estimation and validation from pharmacological blockades. <i>Psychophysiology</i> , 1994 , 31, 572-85	4.1	70
45	Up- and down-regulating facial disgust: affective, vagal, sympathetic, and respiratory consequences. <i>Biological Psychology</i> , 2006 , 71, 90-9	3.2	67
44	Overcoming response bias using symbolic representations of number by chimpanzees (Pan troglodytes). <i>Learning and Behavior</i> , 1999 , 27, 229-235		67
43	Conspecific screams and laughter: cardiac and behavioral reactions of infant chimpanzees. <i>Developmental Psychobiology</i> , 1989 , 22, 771-87	3	67
42	Amygdala contribution to selective dimensions of emotion. <i>Social Cognitive and Affective Neuroscience</i> , 2007 , 2, 123-9	4	64
41	Neuroendocrine and cardiovascular reactivity to stress in mid-aged and older women: long-term temporal consistency of individual differences. <i>Psychophysiology</i> , 2003 , 40, 358-69	4.1	59
40	Variation in the oxytocin receptor gene influences neurocardiac reactivity to social stress and HPA function: a population based study. <i>Hormones and Behavior</i> , 2012 , 61, 134-9	3.7	56
39	Origins of baseline variance and the Law of Initial Values. <i>Psychophysiology</i> , 1994 , 31, 204-10	4.1	56

38	Autonomic origins of cardiac responses to nonsignal stimuli in the rat.. <i>Behavioral Neuroscience</i> , 1990 , 104, 751-762	2.1	51
37	Spirituality and autonomic cardiac control. <i>Annals of Behavioral Medicine</i> , 2008 , 35, 198-208	4.5	44
36	Neural Circuits of Interoception. <i>Trends in Neurosciences</i> , 2021 , 44, 17-28	13.3	40
35	Psychotogenic properties of benzodiazepine receptor inverse agonists. <i>Psychopharmacology</i> , 2001 , 156, 1-13	4.7	39
34	Autonomic interactions and chronotropic control of the heart: heart period versus heart rate. <i>Psychophysiology</i> , 1996 , 33, 605-11	4.1	39
33	Social interaction modulates autonomic, inflammatory, and depressive-like responses to cardiac arrest and cardiopulmonary resuscitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16342-7	11.5	38
32	Psychobiology and social psychology: past, present, and future. <i>Personality and Social Psychology Review</i> , 2000 , 4, 3-15	13.4	37
31	Brainstem systems and grooming behaviors. <i>Annals of the New York Academy of Sciences</i> , 1988 , 525, 350-63	6.2	35
30	Vagal stimulation and cardiac chronotropy in rats. <i>Journal of the Autonomic Nervous System</i> , 1992 , 41, 221-6		23
29	Cardiovascular effects of the benzodiazepine receptor partial inverse agonist FG 7142 in rats. <i>Behavioural Brain Research</i> , 1994 , 62, 11-20	3.4	22
28	Effect of nucleus basalis magnocellularis cholinergic lesions on fear-like and anxiety-like behavior. <i>Behavioral Neuroscience</i> , 2006 , 120, 307-12	2.1	21
27	Cardiovascular Psychophysiology 183-216		18
26	A non-contact technique for measuring eccrine sweat gland activity using passive thermal imaging. <i>International Journal of Psychophysiology</i> , 2014 , 94, 25-34	2.9	17
25	Cardiovascular and endocrine reactivity in older females: intertask consistency. <i>Psychophysiology</i> , 2001 , 38, 863-72	4.1	16
24	Heart rate variability predicts cell death and inflammatory responses to global cerebral ischemia. <i>Frontiers in Physiology</i> , 2012 , 3, 131	4.6	14
23	Heart Rate Variability: A Neuroscientific Perspective for Further Studies. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1999 , 3, 279-282		14
22	Social neuroscience. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010 , 1, 60-68	4.5	13
21	Vocal perception: brain event-related potentials in a chimpanzee. <i>Developmental Psychobiology</i> , 1993 , 26, 305-19	3	13

20	ECG artifacts and heart period variability: Don't miss a beat! 1998 , 35, 127		12
19	The cardiovascular startle response: anxiety and the benzodiazepine receptor complex. <i>Psychophysiology</i> , 1997 , 34, 348-57	4.1	11
18	Cardiac orienting and habituation to auditory and vibrotactile stimuli in the infant decerebrate rat. <i>Developmental Psychobiology</i> , 1985 , 18, 545-58	3	11
17	Photoperiod alters autonomic regulation of the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4525-30	11.5	10
16	Presidential Address 2011: Autonomic modes of control and health. <i>Psychophysiology</i> , 2019 , 56, e13306	4.1	10
15	Impedance cardiography in healthy children and children with congenital heart disease: Improving stroke volume assessment. <i>International Journal of Psychophysiology</i> , 2017 , 120, 136-147	2.9	8
14	Evolution of neuroarchitecture, multi-level analyses and calibrative reductionism. <i>Interface Focus</i> , 2012 , 2, 65-73	3.9	8
13	Statistical modelling of the differences between successive R-R intervals. <i>Statistics in Medicine</i> , 2005 , 24, 437-51	2.3	5
12	Cortical modulation by nucleus basalis magnocellularis corticopetal cholinergic neurons during anxiety-like states is reflected by decreases in delta. <i>Brain Research</i> , 2008 , 1227, 142-52	3.7	4
11	Nucleus basalis magnocellularis and substantia innominata corticopetal cholinergic lesions attenuate freezing induced by predator odor. <i>Behavioral Neuroscience</i> , 2008 , 122, 601-10	2.1	4
10	Psychophysiology123-138		4
9	From Homeostasis to Allodynamic Regulation401-426		2
8	Social Neuroscience and the Modern Synthesis of Social and Biological Levels of Analysis. <i>Handbooks of Sociology and Social Research</i> , 2013 , 67-81	0.7	2
7	The Brain, Homeostasis, and Health: Balancing Demands of the Internal and External Milieu 2011 ,		2
6	John T. Cacioppo (1951-2018). <i>Psychophysiology</i> , 2018 , 55, e13200	4.1	1
5	Developmental Processes495-510		1
4	Evaluative Processes 2009 ,		1
3	Multilevel analysis: Integrating multiple levels of neurobehavioral systems. <i>Social Neuroscience</i> , 2021 , 16, 18-25	2	1

- 2 Underconstrained thalamic activation + underconstrained top-down modulation of cortical input processing = underconstrained perceptions. *Behavioral and Brain Sciences*, **2004**, 27, 803-804 0.9
- 1 Cerebellar contributions to response selection. *Behavioral and Brain Sciences*, **1979**, 2, 214-215 0.9