

Peter J Gianaros

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

10,442
citations

31902

53
h-index

34900

98
g-index

129
all docs

129
docs citations

129
times ranked

13758
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariate Brain Activity while Viewing and Reappraising Affective Scenes Does Not Predict the Multiyear Progression of Preclinical Atherosclerosis in Otherwise Healthy Midlife Adults. <i>Affective Science</i> , 2022, 3, 406-424.	1.5	5
2	The Personality Meta-trait of Stability and Carotid Artery Atherosclerosis. <i>Journal of Personality</i> , 2022, , .	1.8	0
3	An online Trier social stress paradigm to evoke affective and cardiovascular responses. <i>Psychophysiology</i> , 2022, 59, e14067.	1.2	5
4	Resting (Tonic) Blood Pressure Is Associated With Sensitivity to Imagined and Acute Experiences of Social Pain: Evidence From Three Studies. <i>Psychological Science</i> , 2022, 33, 984-998.	1.8	3
5	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688.	1.2	33
6	Cerebrovascular function in hypertension: Does high blood pressure make you old?. <i>Psychophysiology</i> , 2021, 58, e13654.	1.2	21
7	Is stressor-evoked cardiovascular reactivity a pathway linking positive and negative emotionality to preclinical cardiovascular disease risk?. <i>Psychophysiology</i> , 2021, 58, e13741.	1.2	5
8	Dual impedance cardiography: An inexpensive and reliable method to assess arterial stiffness. <i>Psychophysiology</i> , 2021, 58, e13772.	1.2	9
9	Functional MRI Can Be Highly Reliable, but It Depends on What You Measure: A Commentary on Elliott et al. (2020). <i>Psychological Science</i> , 2021, 32, 622-626.	1.8	79
10	The self in context: brain systems linking mental and physical health. <i>Nature Reviews Neuroscience</i> , 2021, 22, 309-322.	4.9	102
11	Long-Term Ambient Air Pollution Exposures and Circulating and Stimulated Inflammatory Mediators in a Cohort of Midlife Adults. <i>Environmental Health Perspectives</i> , 2021, 129, 57007.	2.8	27
12	Cortisol activity partially accounts for a relationship between community socioeconomic position and atherosclerosis. <i>Psychoneuroendocrinology</i> , 2021, 131, 105292.	1.3	2
13	The prospective relationship between prehypertension, race, and whole-brain white matter microstructure. <i>Journal of Human Hypertension</i> , 2020, 34, 82-89.	1.0	1
14	The effects of omega-3 fatty acids on neuropsychological functioning and brain morphology in mid-life adults: a randomized clinical trial. <i>Psychological Medicine</i> , 2020, 50, 2425-2434.	2.7	8
15	Adiposity covaries with signatures of asymmetric feedback learning during adaptive decisions. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 1145-1156.	1.5	2
16	Relationship between Dispositional Mindfulness, Psychological Health, and Diet Quality among Healthy Midlife Adults. <i>Nutrients</i> , 2020, 12, 3414.	1.7	8
17	Frontostriatal Brain Activation Is Associated With the Longitudinal Progression of Cardiometabolic Risk. <i>Psychosomatic Medicine</i> , 2020, 82, 454-460.	1.3	0
18	Affective brain patterns as multivariate neural correlates of cardiovascular disease risk. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 1034-1045.	1.5	20

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19	Does well-being associate with stress physiology? A systematic review and meta-analysis.. Health Psychology, 2020, 39, 879-890.	1.3	17
20	Cerebrovascular disease: Neuroimaging of cerebral small vessel disease. Progress in Molecular Biology and Translational Science, 2019, 165, 225-255.	0.9	16
21	Ventromedial prefrontal cortex connectivity during and after psychological stress in women. Psychophysiology, 2019, 56, e13445.	1.2	17
22	Retrospectively reported childhood physical abuse, systemic inflammation, and resting corticolimbic connectivity in midlife adults. Brain, Behavior, and Immunity, 2019, 82, 203-213.	2.0	34
23	Socioeconomic disparities of depressive symptoms and cytokines in hepatocellular carcinoma. Psycho-Oncology, 2019, 28, 1624-1632.	1.0	5
24	Increased stressor-evoked cardiovascular reactivity is associated with reduced amygdala and hippocampus volume. Psychophysiology, 2019, 56, e13277.	1.2	28
25	Should heart rate variability be "corrected" for heart rate? Biological, quantitative, and interpretive considerations. Psychophysiology, 2019, 56, e13287.	1.2	138
26	Generalizable representations of pain, cognitive control, and negative emotion in medial frontal cortex. Nature Neuroscience, 2018, 21, 283-289.	7.1	187
27	Higher dietary inflammation is associated with increased odds of depression independent of Framingham Risk Score in the National Health and Nutrition Examination Survey. Nutrition Research, 2018, 54, 23-32.	1.3	29
28	Neural Mechanisms Linking Emotion with Cardiovascular Disease. Current Cardiology Reports, 2018, 20, 128.	1.3	43
29	Taking rejection to heart: Associations between blood pressure and sensitivity to social pain. Biological Psychology, 2018, 139, 87-95.	1.1	11
30	Functional neuroanatomy of peripheral inflammatory physiology: A meta-analysis of human neuroimaging studies. Neuroscience and Biobehavioral Reviews, 2018, 94, 76-92.	2.9	113
31	Perceived discrimination and cardiovascular health disparities: a multisystem review and health neuroscience perspective. Annals of the New York Academy of Sciences, 2018, 1428, 170-207.	1.8	68
32	A population neuroscience approach to the study of cerebral small vessel disease in midlife and late life: an invited review. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H1117-H1136.	1.5	52
33	Associations of immunometabolic risk factors with symptoms of depression and anxiety: The role of cardiac vagal activity. Brain, Behavior, and Immunity, 2018, 73, 493-503.	2.0	13
34	Host in the machine: A neurobiological perspective on psychological stress and cardiovascular disease.. American Psychologist, 2018, 73, 1031-1044.	3.8	51
35	Community Socioeconomic Disadvantage in Midlife Relates to Cortical Morphology via Neuroendocrine and Cardiometabolic Pathways. Cerebral Cortex, 2017, 27, bhv233.	1.6	52
36	Systemic inflammation and resting state connectivity of the default mode network. Brain, Behavior, and Immunity, 2017, 62, 162-170.	2.0	87

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37	Prehypertensive Blood Pressures and Regional Cerebral Blood Flow Independently Relate to Cognitive Performance in Midlife. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	22
38	The Neurobiology of Health Communication. <i>Psychosomatic Medicine</i> , 2017, 79, 376-378.	1.3	0
39	Mindfulness Meditation Training and Executive Control Network Resting State Functional Connectivity: A Randomized Controlled Trial. <i>Psychosomatic Medicine</i> , 2017, 79, 674-683.	1.3	113
40	Cardiovascular and autonomic reactivity to psychological stress: Neurophysiological substrates and links to cardiovascular disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 207, 2-9.	1.4	99
41	Brain Regional Blood Flow and Working Memory Performance Predict Change in Blood Pressure Over 2 Years. <i>Hypertension</i> , 2017, 70, 1132-1141.	1.3	10
42	A Brain Phenotype for Stressor-Evoked Blood Pressure Reactivity. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	53
43	Body-Brain Connections: The Effects of Obesity and Behavioral Interventions on Neurocognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 115.	1.7	45
44	Personality Correlates of Midlife Cardiometabolic Risk: The Explanatory Role of Higher-Order Factors of the Five-Factor Model. <i>Journal of Personality</i> , 2016, 84, 765-776.	1.8	22
45	Resting state connectivity of the medial prefrontal cortex covaries with individual differences in high-frequency heart rate variability. <i>Psychophysiology</i> , 2016, 53, 444-454.	1.2	83
46	Sex differences in the association between stressor-evoked interleukin-6 reactivity and C-reactive protein. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 173-180.	2.0	25
47	A Stage Model of Stress and Disease. <i>Perspectives on Psychological Science</i> , 2016, 11, 456-463.	5.2	280
48	Neighborhood Socioeconomic Status and Cognitive Function in Late Life. <i>American Journal of Epidemiology</i> , 2016, 183, 1088-1097.	1.6	55
49	Alterations in Resting-State Functional Connectivity Link Mindfulness Meditation With Reduced Interleukin-6: A Randomized Controlled Trial. <i>Biological Psychiatry</i> , 2016, 80, 53-61.	0.7	201
50	Blood pressure interacts with APOE ϵ 4 to predict memory performance in a midlife sample. <i>Neuropsychology</i> , 2015, 29, 693-702.	1.0	14
51	Ectopic adiposity is associated with autonomic risk factors and subclinical cardiovascular disease in young adults. <i>Obesity</i> , 2015, 23, 2030-2036.	1.5	3
52	Maternal depression in childhood and aggression in young adulthood: evidence for mediation by offspring amygdala-hippocampal volume ratio. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2015, 56, 1083-1091.	3.1	25
53	A Sensitive and Specific Neural Signature for Picture-Induced Negative Affect. <i>PLoS Biology</i> , 2015, 13, e1002180.	2.6	283
54	Resting high-frequency heart rate variability is related to resting brain perfusion. <i>Psychophysiology</i> , 2015, 52, 277-287.	1.2	76

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55	Mindfulness meditation training alters stress-related amygdala resting state functional connectivity: a randomized controlled trial. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1758-1768.	1.5	123
56	Social network diversity and white matter microstructural integrity in humans. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1169-1176.	1.5	48
57	Trajectories of peripheral interleukin-6, structure of the hippocampus, and cognitive impairment over 14 years in older adults. <i>Neurobiology of Aging</i> , 2015, 36, 3038-3044.	1.5	21
58	Longitudinal assessment of neuroimaging and clinical markers in autosomal dominant Alzheimer's disease: a prospective cohort study. <i>Lancet Neurology</i> , The, 2015, 14, 804-813.	4.9	91
59	Childhood physical abuse predicts stressor-evoked activity within central visceral control regions. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 474-485.	1.5	40
60	Brain morphology links systemic inflammation to cognitive function in midlife adults. <i>Brain, Behavior, and Immunity</i> , 2015, 48, 195-204.	2.0	225
61	Focusing neurovisceral integration: Cognition, heart rate variability, and cerebral blood flow. <i>Psychophysiology</i> , 2015, 52, 214-224.	1.2	93
62	Brain-Body Pathways Linking Psychological Stress and Physical Health. <i>Current Directions in Psychological Science</i> , 2015, 24, 313-321.	2.8	176
63	The Social Brain, Stress, and Psychopathology. <i>JAMA Psychiatry</i> , 2014, 71, 622.	6.0	10
64	Health Neuroscience. <i>Current Directions in Psychological Science</i> , 2014, 23, 446-453.	2.8	50
65	Cerebral perfusion alterations and cerebral amyloid in autosomal dominant Alzheimer disease. <i>Neurology</i> , 2014, 83, 710-717.	1.5	41
66	An Inflammatory Pathway Links Atherosclerotic Cardiovascular Disease Risk to Neural Activity Evoked by the Cognitive Regulation of Emotion. <i>Biological Psychiatry</i> , 2014, 75, 738-745.	0.7	95
67	Basal ganglia morphology links the metabolic syndrome and depressive symptoms. <i>Physiology and Behavior</i> , 2014, 123, 214-222.	1.0	18
68	Polymorphic variation in the dopamine D4 receptor predicts delay discounting as a function of childhood socioeconomic status: evidence for differential susceptibility. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 499-508.	1.5	102
69	Competing physiological pathways link individual differences in weight and abdominal adiposity to white matter microstructure. <i>NeuroImage</i> , 2013, 79, 129-137.	2.1	73
70	PhysioScripts: An extensible, open source platform for the processing of physiological data. <i>Behavior Research Methods</i> , 2013, 45, 125-131.	2.3	14
71	Blunted cardiac stress reactivity relates to neural hypoactivation. <i>Psychophysiology</i> , 2013, 50, 219-229.	1.2	77
72	Frontal gray matter atrophy in middle aged adults with type 1 diabetes is independent of cardiovascular risk factors and diabetes complications. <i>Journal of Diabetes and Its Complications</i> , 2013, 27, 558-564.	1.2	55

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73	Inflammatory Pathways Link Socioeconomic Inequalities to White Matter Architecture. <i>Cerebral Cortex</i> , 2013, 23, 2058-2071.	1.6	101
74	Contributions of Neuroscience to the Study of Socioeconomic Health Disparities. <i>Psychosomatic Medicine</i> , 2013, 75, 610-615.	1.3	31
75	Use of Total Cerebral Blood Flow as an Imaging Biomarker of Known Cardiovascular Risks. <i>Stroke</i> , 2013, 44, 2480-2485.	1.0	62
76	Dispositional Mindfulness Co-Varies with Smaller Amygdala and Caudate Volumes in Community Adults. <i>PLoS ONE</i> , 2013, 8, e64574.	1.1	80
77	Cerebral Blood Flow Links Insulin Resistance and Baroreflex Sensitivity. <i>PLoS ONE</i> , 2013, 8, e83288.	1.1	18
78	A Neural Circuitry Linking Insulin Resistance to Depressed Mood. <i>Psychosomatic Medicine</i> , 2012, 74, 476-482.	1.3	54
79	Testâ€“retest reliability of an <scp>fMRI</scp> paradigm for studies of cardiovascular reactivity. <i>Psychophysiology</i> , 2012, 49, 873-884.	1.2	38
80	Brain systems for baroreflex suppression during stress in humans. <i>Human Brain Mapping</i> , 2012, 33, 1700-1716.	1.9	137
81	Maintaining brain health by monitoring inflammatory processes: a mechanism to promote successful aging. , 2012, 3, 16-33.		44
82	Resting state functional connectivity within the cingulate cortex jointly predicts agreeableness and stressor-evoked cardiovascular reactivity. <i>NeuroImage</i> , 2011, 55, 363-370.	2.1	34
83	Cardiac Vagal Control in Nonmedicated Depressed Women and Nondepressed Controls. <i>Psychosomatic Medicine</i> , 2011, 73, 336-343.	1.3	37
84	Cardiovascular Reactivity to Acute Psychological Stress Following Sleep Deprivation. <i>Psychosomatic Medicine</i> , 2011, 73, 679-682.	1.3	84
85	Stress- and Allostasis-Induced Brain Plasticity. <i>Annual Review of Medicine</i> , 2011, 62, 431-445.	5.0	820
86	Parental Education Predicts Corticostriatal Functionality in Adulthood. <i>Cerebral Cortex</i> , 2011, 21, 896-910.	1.6	80
87	Neurobiological Pathways Linking Socioeconomic Position and Health. <i>Psychosomatic Medicine</i> , 2010, 72, 450-461.	1.3	72
88	Subjective Socioeconomic Status and Presence of the Metabolic Syndrome in Midlife Community Volunteers. <i>Psychosomatic Medicine</i> , 2010, 72, 35-45.	1.3	105
89	Central role of the brain in stress and adaptation: Links to socioeconomic status, health, and disease. <i>Annals of the New York Academy of Sciences</i> , 2010, 1186, 190-222.	1.8	1,253
90	The Embodiment of Emotional Feelings in the Brain. <i>Journal of Neuroscience</i> , 2010, 30, 12878-12884.	1.7	247

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91	Heightened Resting Neural Activity Predicts Exaggerated Stressor-Evoked Blood Pressure Reactivity. <i>Hypertension</i> , 2009, 53, 819-825.	1.3	36
92	Inhibition-related activity in subgenual cingulate is associated with symptom severity in major depression. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 1-6.	0.9	58
93	Preclinical Atherosclerosis Covaries with Individual Differences in Reactivity and Functional Connectivity of the Amygdala. <i>Biological Psychiatry</i> , 2009, 65, 943-950.	0.7	70
94	A review of neuroimaging studies of stressor-evoked blood pressure reactivity: Emerging evidence for a brain-body pathway to coronary heart disease risk. <i>NeuroImage</i> , 2009, 47, 922-936.	2.1	162
95	Physiological recordings: Basic concepts and implementation during functional magnetic resonance imaging. <i>NeuroImage</i> , 2009, 47, 1105-1115.	2.1	52
96	Altered Functioning of the Executive Control Circuit in Late-Life Depression: Episodic and Persistent Phenomena. <i>American Journal of Geriatric Psychiatry</i> , 2009, 17, 30-42.	0.6	158
97	Gain in Adiposity Across 15 Years is Associated With Reduced Gray Matter Volume in Healthy Women. <i>Psychosomatic Medicine</i> , 2009, 71, 485-490.	1.3	33
98	Interleukin-6 Covaries Inversely with Hippocampal Grey Matter Volume in Middle-Aged Adults. <i>Biological Psychiatry</i> , 2008, 64, 484-490.	0.7	290
99	Susceptibility to Nausea and Motion Sickness as a Function of the Menstrual Cycle. <i>Women's Health Issues</i> , 2008, 18, 328-335.	0.9	39
100	Individual Differences in Stressor-Evoked Blood Pressure Reactivity Vary with Activation, Volume, and Functional Connectivity of the Amygdala. <i>Journal of Neuroscience</i> , 2008, 28, 990-999.	1.7	236
101	Potential neural embedding of parental social standing. <i>Social Cognitive and Affective Neuroscience</i> , 2008, 3, 91-96.	1.5	183
102	Trait Negative Affect: Toward an Integrated Model of Understanding Psychological Risk for Impairment in Cardiac Autonomic Function. <i>Psychosomatic Medicine</i> , 2008, 70, 328-337.	1.3	110
103	Perigenual anterior cingulate morphology covaries with perceived social standing. <i>Social Cognitive and Affective Neuroscience</i> , 2007, 2, 161-173.	1.5	192
104	Heightened Functional Neural Activation to Psychological Stress Covaries With Exaggerated Blood Pressure Reactivity. <i>Hypertension</i> , 2007, 49, 134-140.	1.3	90
105	Stimulated Production of Proinflammatory Cytokines Covaries Inversely With Heart Rate Variability. <i>Psychosomatic Medicine</i> , 2007, 69, 709-716.	1.3	96
106	Long-chain omega-3 fatty acid intake is associated positively with corticolimbic gray matter volume in healthy adults. <i>Neuroscience Letters</i> , 2007, 421, 209-212.	1.0	138
107	Prospective reports of chronic life stress predict decreased grey matter volume in the hippocampus. <i>NeuroImage</i> , 2007, 35, 795-803.	2.1	264
108	Higher blood pressure predicts lower regional grey matter volume: Consequences on short-term information processing. <i>NeuroImage</i> , 2006, 31, 754-765.	2.1	117

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109	Is There a Functional Neural Correlate of Individual Differences in Cardiovascular Reactivity?. Psychosomatic Medicine, 2005, 67, 31-39.	1.3	58
110	A Greater Reduction in High-Frequency Heart Rate Variability to a Psychological Stressor is Associated With Subclinical Coronary and Aortic Calcification in Postmenopausal Women. Psychosomatic Medicine, 2005, 67, 553-560.	1.3	60
111	Anterior cingulate activity correlates with blood pressure during stress. Psychophysiology, 2005, 42, 627-635.	1.2	148
112	Regional cerebral blood flow correlates with heart period and high-frequency heart period variability during working-memory tasks: Implications for the cortical and subcortical regulation of cardiac autonomic activity. Psychophysiology, 2004, 41, 521-530.	1.2	281
113	Relationship between temporal changes in cardiac parasympathetic activity and motion sickness severity. Psychophysiology, 2003, 40, 39-44.	1.2	40
114	Is Cardiovascular Reactivity Associated With Atherosclerosis Among Hypertensives?. Hypertension, 2002, 40, 742-747.	1.3	30
115	Vagal function in health and disease: studies in Pittsburgh. Physiology and Behavior, 2002, 77, 693-698.	1.0	13
116	Greater intima-media thickness in the carotid bulb is associated with reduced baroreflex sensitivity. American Journal of Hypertension, 2002, 15, 486-491.	1.0	61
117	Relationship of gastric myoelectrical and cardiac parasympathetic activity to chemotherapy-induced nausea. Journal of Psychosomatic Research, 2001, 50, 263-266.	1.2	16
118	Gastric myoelectrical and autonomic cardiac reactivity to laboratory stressors. Psychophysiology, 2001, 38, 642-652.	1.2	38