

# Peter J Gianaros

## List of Publications by Year in descending order

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Version: 2024-02-01

118  
papers

10,442  
citations

36691

53  
h-index

39744

98  
g-index

129  
all docs

129  
docs citations

129  
times ranked

15270  
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 $\epsilon$ 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        |