

# Julian M Stewart

## List of Publications by Year in descending order

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122  
papers

7,100  
citations

71004

43  
h-index

68831

81  
g-index

127  
all docs

127  
docs citations

127  
times ranked

4699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Postural orthostatic tachycardia syndrome: A respiratory disorder?. <i>Current Research in Physiology</i> , 2021, 4, 1-6.	0.8	3
2	Tilt testing remains a valuable asset. <i>European Heart Journal</i> , 2021, 42, 1654-1660.	1.0	50
3	Supine Parasympathetic Withdrawal and Upright Sympathetic Activation Underly Abnormalities of the Baroreflex in Postural Tachycardia Syndrome. <i>Hypertension</i> , 2021, 77, 1234-1244.	1.3	7
4	Postural orthostatic tachycardia syndrome (POTS): State of the science and clinical care from a 2019 National Institutes of Health Expert Consensus Meeting - Part 1. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 235, 102828.	1.4	113
5	Postural orthostatic tachycardia syndrome (POTS): Priorities for POTS care and research from a 2019 National Institutes of Health Expert Consensus Meeting – Part 2. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 235, 102836.	1.4	30
6	The preponderance of initial orthostatic hypotension in postural tachycardia syndrome. <i>Journal of Applied Physiology</i> , 2020, 129, 459-466.	1.2	6
7	Pacing in vasovagal syncope: Physiology, pacemaker sensors, and recent clinical trials – Precise patient selection and measurable benefit. <i>Heart Rhythm</i> , 2020, 17, 821-828.	0.3	25
8	When Sinus Tachycardia Becomes Too Much. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007744.	2.1	7
9	Postural Orthostatic Tachycardia Syndrome (POTS): A critical assessment. <i>Progress in Cardiovascular Diseases</i> , 2020, 63, 263-270.	1.6	58
10	Mechanisms of tilt-induced vasovagal syncope in healthy volunteers and postural tachycardia syndrome patients without past history of syncope. <i>Physiological Reports</i> , 2019, 7, e14148.	0.7	6
11	The Benefits of Oral Rehydration on Orthostatic Intolerance in Children with Postural Tachycardia Syndrome. <i>Journal of Pediatrics</i> , 2019, 214, 96-102.	0.9	13
12	Initial Orthostatic Hypotension Causes (Transient) Postural Tachycardia. <i>Journal of the American College of Cardiology</i> , 2019, 74, 1271-1273.	1.2	9
13	Segmental intracellular, interstitial, and intravascular volume changes during simulated hemorrhage and resuscitation: A case study. <i>Journal of Electrical Bioimpedance</i> , 2019, 10, 40-46.	0.5	2
14	The pathophysiology of the vasovagal response. <i>Heart Rhythm</i> , 2018, 15, 921-929.	0.3	101
15	Pediatric Disorders of Orthostatic Intolerance. <i>Pediatrics</i> , 2018, 141, .	1.0	131
16	A new guideline for diagnosis and treatment of syncope in children and adolescents that stimulates further thought and discussion. <i>Science Bulletin</i> , 2018, 63, 1527-1528.	4.3	10
17	Postural Hyperventilation as a Cause of Postural Tachycardia Syndrome: Increased Systemic Vascular Resistance and Decreased Cardiac Output When Upright in All Postural Tachycardia Syndrome Variants. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	34
18	Hemodynamic characteristics of postural hyperventilation: POTS with hyperventilation versus panic versus voluntary hyperventilation. <i>Journal of Applied Physiology</i> , 2018, 125, 1396-1403.	1.2	11

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19	Mechanisms of Vasovagal Syncope in the Young: Reduced Systemic Vascular Resistance Versus Reduced Cardiac Output. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	44
20	Oscillatory lower body negative pressure impairs working memory task-related functional hyperemia in healthy volunteers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H672-H680.	1.5	3
21	Nitric oxide synthase inhibition restores orthostatic tolerance in young vasovagal syncope patients. <i>Heart</i> , 2017, 103, 1711-1718.	1.2	12
22	Decreasing cerebral oxygen consumption during upright tilt in vasovagal syncope. <i>Physiological Reports</i> , 2017, 5, e13286.	0.7	13
23	Postural Heart Rate Changes in Young Patients With Vasovagal Syncope. <i>Pediatrics</i> , 2017, 139, .	1.0	17
24	Bioimpedance monitoring of cellular hydration during hemodialysis therapy. <i>Hemodialysis International</i> , 2017, 21, 575-584.	0.4	9
25	Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Diagnosis and Management in Young People: A Primer. <i>Frontiers in Pediatrics</i> , 2017, 5, 121.	0.9	120
26	Orthostatic Circulatory Disorders: From Nosology to Nuts and Bolts. <i>American Journal of Hypertension</i> , 2016, 29, 1009-1019.	1.0	15
27	Postsynaptic $\alpha_1$ -Adrenergic Vasoconstriction Is Impaired in Young Patients With Vasovagal Syncope and Is Corrected by Nitric Oxide Synthase Inhibition. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	2.1	11
28	Cardiac output and vasodilation in the vasovagal response: An analysis of the classic papers. <i>Heart Rhythm</i> , 2016, 13, 798-805.	0.3	57
29	Oscillatory lower body negative pressure impairs task related functional hyperemia in healthy volunteers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H775-H784.	1.5	5
30	2015 Heart Rhythm Society Expert Consensus Statement on the Diagnosis and Treatment of Postural Tachycardia Syndrome, Inappropriate Sinus Tachycardia, and Vasovagal Syncope. <i>Heart Rhythm</i> , 2015, 12, e41-e63.	0.3	694
31	Prospects for Droxidopa in Neurogenic Orthostatic Hypotension. <i>Hypertension</i> , 2015, 65, 34-35.	1.3	4
32	Oscillatory Cerebral Blood Flow Is Associated With Impaired Neurocognition and Functional Hyperemia in Postural Tachycardia Syndrome During Graded Tilt. <i>Hypertension</i> , 2015, 65, 636-643.	1.3	29
33	Excess Nitric Oxide (NO) Blunts Presynaptic Adrenergic Transduction in Orthostatic Intolerance (OI). <i>FASEB Journal</i> , 2015, 29, 831.11.	0.2	0
34	Postjunctional Adrenergic Neurotransmission is Inhibited by Nitric Oxide (NO) in Humans. <i>FASEB Journal</i> , 2015, 29, 649.2.	0.2	0
35	Blunted cerebral blood flow velocity in response to a nitric oxide donor in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H397-H404.	1.5	13
36	A double-blind placebo-controlled cross-over study of the vascular effects of midodrine in neuropathic compared with hyperadrenergic postural tachycardia syndrome. <i>Clinical Science</i> , 2014, 126, 289-296.	1.8	52

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37	Reduced Cerebral Blood Flow With Orthostasis Precedes Hypocapnic Hyperpnea, Sympathetic Activation, and Postural Tachycardia Syndrome. <i>Hypertension</i> , 2014, 63, 1302-1308.	1.3	36
38	Altered oscillatory cerebral blood flow velocity and autoregulation in postural tachycardia syndrome. <i>Frontiers in Physiology</i> , 2014, 5, 234.	1.3	17
39	Impact of hypocapnia and cerebral perfusion on orthostatic tolerance. <i>Journal of Physiology</i> , 2014, 592, 5203-5219.	1.3	36
40	Adolescent Fatigue, POTS, and Recovery: A Guide for Clinicians. <i>Current Problems in Pediatric and Adolescent Health Care</i> , 2014, 44, 108-133.	0.8	92
41	Distinguishing features of cardiac-related syncope. <i>Journal of Pediatrics</i> , 2014, 164, 1239-1242.	0.9	1
42	Phenylephrine alteration of cerebral blood flow during orthostasis: effect on <i>in</i> -back performance in chronic fatigue syndrome. <i>Journal of Applied Physiology</i> , 2014, 117, 1157-1164.	1.2	23
43	What is brain fog? An evaluation of the symptom in postural tachycardia syndrome. <i>Clinical Autonomic Research</i> , 2013, 23, 305-311.	1.4	100
44	Common Syndromes of Orthostatic Intolerance. <i>Pediatrics</i> , 2013, 131, 968-980.	1.0	113
45	Disruption of phase synchronization between blood pressure and muscle sympathetic nerve activity in postural vasovagal syncope. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1238-H1245.	1.5	18
46	Modulation of the axon-reflex response to local heat by reactive oxygen species in subjects with chronic fatigue syndrome. <i>Journal of Applied Physiology</i> , 2013, 114, 45-51.	1.2	11
47	Middle cerebral O <sub>2</sub> delivery during the modified Oxford maneuver increases with sodium nitroprusside and decreases during phenylephrine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1576-H1583.	1.5	29
48	Increased cerebral oxygen delivery during sodium nitroprusside administration despite reduced blood flow velocity in the middle cerebral artery. <i>FASEB Journal</i> , 2013, 27, .	0.2	0
49	A questionnaire study to evaluate brain fog in orthostatic intolerance. <i>FASEB Journal</i> , 2013, 27, lb845.	0.2	0
50	Loss of muscle sympathetic nerve activity and blood pressure phase synchronization in postural vasovagal syncope. <i>FASEB Journal</i> , 2013, 27, 926.6.	0.2	0
51	The Arterial Baroreflex Resets with Orthostasis. <i>Frontiers in Physiology</i> , 2012, 3, 461.	1.3	27
52	Update on the theory and management of orthostatic intolerance and related syndromes in adolescents and children. <i>Expert Review of Cardiovascular Therapy</i> , 2012, 10, 1387-1399.	0.6	26
53	Postural neurocognitive and neuronal activated cerebral blood flow deficits in young chronic fatigue syndrome patients with postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1185-H1194.	1.5	53
54	Mechanisms of sympathetic regulation in orthostatic intolerance. <i>Journal of Applied Physiology</i> , 2012, 113, 1659-1668.	1.2	73

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55	Increasing orthostatic stress impairs neurocognitive functioning in chronic fatigue syndrome with postural tachycardia syndrome. <i>Clinical Science</i> , 2012, 122, 227-238.	1.8	83
56	Reactive Oxygen Species (ROS) from NADPH and Xanthine Oxidase Modulate the Cutaneous Local Heating Response in Chronic Fatigue Syndrome. <i>FASEB Journal</i> , 2012, 26, 678.10.	0.2	0
57	Shift of the cardiovagal baroreflex response with maintained sensitivity during head up tilt. <i>FASEB Journal</i> , 2012, 26, 1091.27.	0.2	0
58	Reactive oxygen species (ROS) from NADPH and xanthine oxidase modulate the cutaneous local heating response in healthy humans. <i>Journal of Applied Physiology</i> , 2011, 111, 20-26.	1.2	53
59	Consensus statement on the definition of orthostatic hypotension, neurally mediated syncope and the postural tachycardia syndrome. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 161, 46-48.	1.4	470
60	“He’s Dizzy When He Stands Up” An Introduction to Initial Orthostatic Hypotension. <i>Journal of Pediatrics</i> , 2011, 158, 499-504.	0.9	38
61	Increased Pulsatile Cerebral Blood Flow, Cerebral Vasodilation, and Postsyncopal Headache in Adolescents. <i>Journal of Pediatrics</i> , 2011, 159, 656-662.e1.	0.9	10
62	Consensus statement on the definition of orthostatic hypotension, neurally mediated syncope and the postural tachycardia syndrome. <i>Clinical Autonomic Research</i> , 2011, 21, 69-72.	1.4	1,231
63	Ventilatory baroreflex sensitivity in humans is not modulated by chemoreflex activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1492-H1500.	1.5	31
64	Baroreceptor unloading in postural tachycardia syndrome augments peripheral chemoreceptor sensitivity and decreases central chemoreceptor sensitivity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H173-H179.	1.5	24
65	Ascorbate improves circulation in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1033-H1042.	1.5	10
66	Respiration drives phase synchronization between blood pressure and RR interval following loss of cardiovagal baroreflex during vasovagal syncope. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H527-H540.	1.5	40
67	Cutaneous constitutive nitric oxide synthase activation in postural tachycardia syndrome with splanchnic hyperemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H704-H711.	1.5	10
68	Chronic fatigue syndrome: comments on deconditioning, blood volume and resulting cardiac function. <i>Clinical Science</i> , 2010, 118, 121-123.	1.8	13
69	Initial Orthostatic Hypotension in the Young Is Attenuated by Static Handgrip. <i>Journal of Pediatrics</i> , 2010, 156, 1019-1022.e1.	0.9	34
70	Nonlinear phase synchronization changes between SBP and RR interval precede syncope in the young. <i>FASEB Journal</i> , 2010, 24, 1020.15.	0.2	0
71	Baroreflex unloading blunts chemoreceptor sensitivity in Postural Tachycardia Syndrome (POTS). <i>FASEB Journal</i> , 2010, 24, 1026.17.	0.2	0
72	Multiresolution wavelet analysis of time-dependent physiological responses in syncopal youths. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H171-H179.	1.5	23

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73	Decreased upright cerebral blood flow and cerebral autoregulation in normocapnic postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H664-H673.	1.5	85
74	Increased phase synchronization and decreased cerebral autoregulation during fainting in the young. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H2084-H2095.	1.5	39
75	Defects in Cutaneous Angiotensin-Converting Enzyme 2 and Angiotensin-(1-7) Production in Postural Tachycardia Syndrome. <i>Hypertension</i> , 2009, 53, 767-774.	1.3	54
76	Postural Tachycardia Syndrome and Reflex Syncope: Similarities and Differences. <i>Journal of Pediatrics</i> , 2009, 154, 481-485.	0.9	37
77	Cerebral Autoregulation is affected in Postural Tachycardia Syndrome. <i>FASEB Journal</i> , 2009, 23, 613.1.	0.2	0
78	Postural Challenge Accentuates the Autonomic Responses to an Inspiratory Apnea. <i>FASEB Journal</i> , 2009, 23, 786.12.	0.2	0
79	Multi-Resolution Wavelet Analysis of Time-Dependent Physiological Responses in Syncopal Youths. <i>FASEB Journal</i> , 2009, 23, 786.11.	0.2	0
80	Reduced Iron Stores and Its Effect on Vasovagal Syncope (Simple Faint). <i>Journal of Pediatrics</i> , 2008, 153, 9-11.	0.9	10
81	Angiotensin II type 1 receptor blockade corrects cutaneous nitric oxide deficit in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H466-H473.	1.5	40
82	Increased vasoconstriction predisposes to hyperpnea and postural faint. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H372-H381.	1.5	29
83	Intradermal angiotensin II administration attenuates the local cutaneous vasodilator heating response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H327-H334.	1.5	24
84	Pathophysiology, Diagnosis, and Treatment of Orthostatic Hypotension and Vasovagal Syncope. <i>Cardiology in Review</i> , 2008, 16, 4-20.	0.6	108
85	Cutaneous neuronal nitric oxide is specifically decreased in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2161-H2167.	1.5	75
86	Reduced central blood volume and cardiac output and increased vascular resistance during static handgrip exercise in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1908-H1917.	1.5	14
87	Changes in regional blood volume and blood flow during static handgrip. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H215-H223.	1.5	48
88	Reduced body mass index is associated with increased angiotensin II in young women with postural tachycardia syndrome. <i>Clinical Science</i> , 2007, 113, 449-457.	1.8	30
89	The Postural Tachycardia Syndrome. <i>Cardiology in Review</i> , 2007, 15, 67-75.	0.6	96
90	Differential effects of lower body negative pressure and upright tilt on splanchnic blood volume. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1420-H1426.	1.5	67

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91	Noninvasive Measure of Microvascular Nitric Oxide Function in Humans Using Very Low-Frequency Cutaneous Laser Doppler Flow Spectra. <i>Microcirculation</i> , 2007, 14, 169-180.	1.0	38
92	Effects and Interactions of Nitric Oxide and Prostaglandins during Acetylcholine Mediated Cutaneous Vasodilation in Humans. <i>FASEB Journal</i> , 2007, 21, A1298.	0.2	0
93	Differential Effects of Lower Body Negative Pressure and Upright Tilt on Splanchnic Blood Volume. <i>FASEB Journal</i> , 2007, 21, A511.	0.2	0
94	Persistent splanchnic hyperemia during upright tilt in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H665-H673.	1.5	94
95	Increased plasma angiotensin II in postural tachycardia syndrome (POTS) is related to reduced blood flow and blood volume. <i>Clinical Science</i> , 2006, 110, 255-263.	1.8	63
96	Postural hypocapnic hyperventilation is associated with enhanced peripheral vasoconstriction in postural tachycardia syndrome with normal supine blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H904-H913.	1.5	43
97	Reciprocal splanchnic-thoracic blood volume changes during the Valsalva maneuver. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H752-H758.	1.5	13
98	Splanchnic hyperemia and hypervolemia during Valsalva maneuver in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1951-H1959.	1.5	13
99	Plantar vibration improves leg fluid flow in perimenopausal women. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R623-R629.	0.9	78
100	Decreased Microvascular Nitric Oxide-Dependent Vasodilation in Postural Tachycardia Syndrome. <i>Circulation</i> , 2005, 112, 2611-2618.	1.6	66
101	Relation of Postural Vasovagal Syncope to Splanchnic Hypervolemia in Adolescents. <i>Circulation</i> , 2004, 110, 2575-2581.	1.6	64
102	Noninvasive interrogation of microvasculature for signs of endothelial dysfunction in patients with chronic renal failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H2687-H2696.	1.5	151
103	Effects of thoracic blood volume on Valsalva maneuver. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H798-H804.	1.5	22
104	Chronic orthostatic intolerance and the postural tachycardia syndrome (POTS). <i>Journal of Pediatrics</i> , 2004, 145, 725-730.	0.9	99
105	Regional blood volume and peripheral blood flow in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1319-H1327.	1.5	83
106	Decreased skeletal muscle pump activity in patients with postural tachycardia syndrome and low peripheral blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1216-H1222.	1.5	69
107	Microvascular Filtration Is Increased in Postural Tachycardia Syndrome. <i>Circulation</i> , 2003, 107, 2816-2822.	1.6	42
108	Local vascular responses affecting blood flow in postural tachycardia syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2749-H2756.	1.5	60

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109	Clinical and Physiological Effects of an Acute $\hat{1}\pm$ -1 Adrenergic Agonist and a $\hat{1}^2$ -1 Adrenergic Antagonist in Chronic Orthostatic Intolerance. <i>Circulation</i> , 2002, 106, 2946-2954.	1.6	66
110	Transient orthostatic hypotension is common in adolescents. <i>Journal of Pediatrics</i> , 2002, 140, 418-424.	0.9	40
111	Orthostatic intolerance in pediatrics. <i>Journal of Pediatrics</i> , 2002, 140, 404-411.	0.9	69
112	Pooling in Chronic Orthostatic Intolerance. <i>Circulation</i> , 2002, 105, 2274-2281.	1.6	122
113	Reflex vascular defects in the orthostatic tachycardia syndrome of adolescents. <i>Journal of Applied Physiology</i> , 2001, 90, 2025-2032.	1.2	37
114	Orthostasis fails to produce active limb venoconstriction in adolescents. <i>Journal of Applied Physiology</i> , 2001, 91, 1723-1729.	1.2	24
115	Orthostatic Intolerance. <i>The Journal of Chronic Fatigue Syndrome: Multidisciplinary Innovations in Research and Clinical Practice</i> , 2000, 8, 45-64.	0.4	1
116	Intravenous cannulation of adolescents does not affect the modulation of autonomic tone assessed by heart rate and blood pressure variability. <i>Clinical Autonomic Research</i> , 2000, 10, 7-12.	1.4	4
117	Vascular perturbations in the chronic orthostatic intolerance of the postural orthostatic tachycardia syndrome. <i>Journal of Applied Physiology</i> , 2000, 89, 1505-1512.	1.2	42
118	Autonomic Nervous System Dysfunction in Adolescents with Postural Orthostatic Tachycardia Syndrome and Chronic Fatigue Syndrome Is Characterized by Attenuated Vagal Baroreflex and Potentiated Sympathetic Vasomotion. <i>Pediatric Research</i> , 2000, 48, 218-226.	1.1	176
119	Patterns of orthostatic intolerance: The orthostatic tachycardia syndrome and adolescent chronic fatigue. <i>Journal of Pediatrics</i> , 1999, 135, 218-225.	0.9	105
120	Orthostatic Intolerance in Adolescent Chronic Fatigue Syndrome. <i>Pediatrics</i> , 1999, 103, 116-121.	1.0	132
121	Neurally mediated hypotension and autonomic dysfunction measured by heart rate variability during head-up tilt testing in children with chronic fatigue syndrome. <i>Clinical Autonomic Research</i> , 1998, 8, 221-230.	1.4	57
122	Heart Rate Variability and the Outcome of Head-Up Tilt in Syncopal Children. <i>Pediatric Research</i> , 1996, 40, 702-709.	1.1	31