

# Ricardo L Armentano

## List of Publications by Year in descending order

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146  
papers

2,364  
citations

293460

24  
h-index

299063

42  
g-index

157  
all docs

157  
docs citations

157  
times ranked

2337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning in healthcare toward early risk prediction: A case study of liver transplantation. , 2021, , 57-72.		1
2	Virtual Learning Approach Toward Introductory Biological Engineering Course in Uruguay During COVID-19. EAI Endorsed Transactions on Pervasive Health and Technology, 2021, 7, 166769.	0.7	2
3	Blood Pressure Morphology Assessment from Photoplethysmogram and Demographic Information Using Deep Learning with Attention Mechanism. Sensors, 2021, 21, 2167.	2.1	44
4	Blood Pressure Morphology as a Fingerprint of Cardiovascular Health: A Machine Learning Based Approach. Communications in Computer and Information Science, 2021, , 253-265.	0.4	2
5	CheckING: An IoT Device for COVID-19 Monitoring and Prevention. , 2021, , .		0
6	Energy Dissipation in the Arterial Wall Analyzed by Allometric Relationships. , 2021, 2021, 5492-5495.		0
7	Evaluation of transit time-based models in wearable central aortic blood pressure estimation. Biomedical Physics and Engineering Express, 2020, 6, 035006.	0.6	4
8	Internet of Things and Artificial Intelligence in Healthcare During COVID-19 Pandemicâ€”A South American Perspective. Frontiers in Public Health, 2020, 8, 600213.	1.3	22
9	Parameter estimation to study the immediate impact of aortic crossâ€”clamping using reduced order models. International Journal for Numerical Methods in Biomedical Engineering, 2019, 37, e3261.	1.0	1
10	Effects of Cross-Clamping on Vascular Mechanics: Comparing Waveform Analysis With a Numerical Model. Journal of Surgical Research, 2019, 244, 587-598.	0.8	0
11	Predictive Risk Analysis for Liver Transplant Patients - eHealth Model Under National Liver Transplant Program, Uruguay. , 2019, , .		3
12	Detection of Arrhythmic Cardiac Signals from ECG Recordings Using the Entropyâ€”Complexity Plane. Proceedings (mdpi), 2019, 46, .	0.2	1
13	Modeling Cardiac Hemodynamic Response During Exercise in Health and Hypertrophic Cardiomyopathy. , 2018, 2018, 4532-4535.		0
14	Flow Mediated Dilation in Cirrhosis: A Pilot Study in Different Stages of the Disease. , 2018, 2018, 4564-4566.		3
15	Quantitative Vascular Evaluation: From Laboratory Experiments to Point-of-Care Patient (Experimental) Tj ETQq1 1 0.784314 rgBT /Over	0.5	3
16	A Novel Interpretation for Arterial Pulse Pressure Amplification in Health and Disease. Journal of Healthcare Engineering, 2018, 2018, 1-9.	1.1	4
17	Quantitative Vascular Evaluation: From Laboratory Experiments to Point-of-Care Patient (Clinical) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.5	3
18	Analysis of ischaemic crisis using the informational causal entropy-complexity plane. Chaos, 2018, 28, 075518.	1.0	9

#	ARTICLE	IF	CITATIONS
19	IoT-Based eHealth Toward Decision Support System for CBRNE Events. , 2018, , 183-188.		5
20	Uncertainty Quantification in a Patient-Specific One-Dimensional Arterial Network Model: EnKF-Based Inflow Estimator. Journal of Verification, Validation and Uncertainty Quantification, 2017, 2, .	0.3	9
21	Linear and Nonlinear Viscoelastic Arterial Wall Models: Application on Animals. Journal of Biomechanical Engineering, 2017, 139, .	0.6	18
22	Aorticâ€“Radial Pulse Wave Velocity Ratio in End-stage Renal Disease Patients: Association with Age, Body Tissue Hydration Status, Renal Failure Etiology and Five Years of Hemodialysis. High Blood Pressure and Cardiovascular Prevention, 2017, 24, 37-48.	1.0	15
23	Elasticity response of electrospun bioresorbable small-diameter vascular grafts: Towards a biomimetic mechanical response. Materials Letters, 2017, 209, 175-177.	1.3	4
24	Hemodialysis Decreases the Etiologically-Related Early Vascular Aging Observed in End-Stage Renal Disease: A 5-Year Follow-Up Study. Blood Purification, 2017, 43, 18-30.	0.9	7
25	Modeling young and adult patients with cirrhosis through a three element windkessel (WK3e). , 2017, 2017, 266-269.		1
26	Internet of Things and Decision Support System for eHealth - Applied to Cardiometabolic Diseases. , 2017, , .		9
27	Low group delay signal conditioning for wearable central blood pressure monitoring device. , 2017, 2017, 3285-3288.		4
28	IoT-based decision support system for intelligent healthcare â€” applied to cardiovascular diseases. , 2017, , .		33
29	IoT toward Efficient Analysis of Aging, Cardiometabolic, and Neurodegenerative Diseasesâ€”An eHealth Perspective. , 2017, , 441-456.		0
30	IoT toward Efficient Analysis of Aging, Cardiometabolic, and Neurodegenerative Diseasesâ€”An eHealth Perspective. , 2017, , 441-456.		2
31	Modelado 1D de la propagaci3n de la onda de presi3n arterial en individuos j3venes. , 2016, , .		0
32	Elastic mismatch between ePTFE and PLLA vascular grafts in relation to femoral and carotid arteries in humans: in vivo, in vitro and in silico assessment. Health and Technology, 2016, 6, 181-187.	2.1	2
33	Global view and future challenges of biomedical engineering in Latin-America: expertsâ€™ opinion. Health and Technology, 2016, 6, 205-211.	2.1	1
34	Impact of arterial cross-clamping during vascular surgery on arterial stiffness measured by the augmentation index and fractal dimension of arterial pressure. Health and Technology, 2016, 6, 229-237.	2.1	5
35	Vascular reactivity in healthy subjects: simultaneous characterization of arterial pressure and diameter time profiles. Health and Technology, 2016, 6, 189-195.	2.1	3
36	Central blood pressure monitoring method oriented to wearable devices. Health and Technology, 2016, 6, 197-204.	2.1	15

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37	An IoT approach for integration of computational intelligence and wearable sensors for Parkinson's disease diagnosis and monitoring. Health and Technology, 2016, 6, 167-172.	2.1	52
38	Upgrading translational engineering in medicine and biology through conscious-technology with humanistic motivation and global vision. Health and Technology, 2016, 6, 27-34.	2.1	3
39	Deformable Surface Model for the Evaluation of Abdominal Aortic Aneurysms Treated with an Endovascular Sealing System. Annals of Biomedical Engineering, 2016, 44, 1381-1391.	1.3	6
40	WAVE PROPAGATION IN A 1D FLUID DYNAMICS MODEL USING PRESSURE-AREA MEASUREMENTS FROM OVINE ARTERIES. Journal of Mechanics in Medicine and Biology, 2016, 16, 1650007.	0.3	6
41	A proposal to enhance Engineering education in biology and Medicine by following the legacy of Ren&#x00E9; Favaloro. , 2015, 2015, 3977-80.		1
42	MOOC on Biomedical Engineering for Latin American Students -- Unleashing the Potential of Virtual Learning. , 2015, , .		1
43	Internet of Things for a Smart and Ubiquitous eHealth System. , 2015, , .		21
44	Hemodialysis decreases carotid&#x00E9;brachial and carotid&#x00E9;femoral pulse wave velocities: A 5&#x00E9;year follow&#x00E9;p study. Hemodialysis International, 2015, 19, 419-428.	0.4	6
45	Hydration Status Is Associated with Aortic Stiffness, but Not with Peripheral Arterial Stiffness, in Chronically Hemodialysed Patients. International Journal of Nephrology, 2015, 2015, 1-11.	0.7	11
46	High pressure assessment of bilayered electrospun vascular grafts by means of an Electroforce Biodynamic System&#x00AE;. , 2015, 2015, 3533-6.		0
47	Quantitative Analysis of the Relationship between Blood Vessel Wall Constituents and Viscoelastic Properties: Dynamic Biomechanical and Structural In Vitro Studies in Aorta and Carotid Arteries. Physiology Journal, 2014, 2014, 1-9.	0.4	4
48	Engineering fuels innovation: The motto for upgrading the biological engineering degree. , 2014, , .		1
49	Identifying the Principal Modes of Variation in Human Thoracic Aorta Morphology. Journal of Thoracic Imaging, 2014, 29, 224-232.	0.8	25
50	Similarities of arterial collagen pressure-diameter relationship in ovine femoral arteries and PLLA vascular grafts. , 2014, 2014, 2302-5.		1
51	Conceptual model of arterial tree based on solitons by compartments. , 2014, 2014, 3224-7.		1
52	Elasticity assessment of electrospun nanofibrous vascular grafts: A comparison with femoral ovine arteries. Materials Science and Engineering C, 2014, 45, 446-454.	3.8	21
53	Multidisciplinary, holistic and patient specific approach to follow up elderly adults. Health and Technology, 2014, 4, 95-100.	2.1	4
54	&#x0022;Biomechanics and mechanobiology&#x0022;, a proposal for an iberoamerican MOOC platform. , 2014, , .		2

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55	The Adventitia Layer Modulates the Arterial Wall Elastic Response to Intra-Aortic Counterpulsation: In Vivo Studies. <i>Artificial Organs</i> , 2013, 37, 1041-1048.	1.0	6
56	Effect of viscoelasticity of arterial wall on pulse wave: a comparative study on ovine. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 25-26.	0.9	3
57	Arterial pressure fractality is highly dependent on wave reflection. , 2013, 2013, 1960-3.		3
58	Resynchronization improves heart-arterial coupling reducing arterial load determinants. <i>Europace</i> , 2013, 15, 554-565.	0.7	21
59	Contribution of arterial tree structure to the arterial pressure fractal behavior. <i>Journal of Physics: Conference Series</i> , 2013, 477, 012030.	0.3	2
60	Structural and Functional Properties of Venous Wall: Relationship between Elastin, Collagen, and Smooth Muscle Components and Viscoelastic Properties. <i>ISRN Physiology</i> , 2013, 2013, 1-9.	0.4	10
61	Vascular Accesses for Haemodialysis in the Upper Arm Cause Greater Reduction in the Carotid-Brachial Stiffness than Those in the Forearm: Study of Gender Differences. <i>International Journal of Nephrology</i> , 2012, 2012, 1-10.	0.7	10
62	Pulse Wave Velocity as Marker of Preclinical Arterial Disease: Reference Levels in a Uruguayan Population Considering Wave Detection Algorithms, Path Lengths, Aging, and Blood Pressure. <i>International Journal of Hypertension</i> , 2012, 2012, 1-10.	0.5	28
63	Carotid-radial pulse wave velocity as an alternative tool for the evaluation of endothelial function during pregnancy: Potential role in identifying hypertensive disorders of pregnancy. , 2012, 2012, 5603-6.		8
64	Coronary arterial stiffness is related with a loss of fractal complexity in the aortic pressure. , 2012, 2012, 4200-3.		4
65	Non invasive assessment of carotid and femoral arterial pressure using B-mode ultrasound diameter waveforms. , 2012, 2012, 5610-3.		4
66	Aging-related changes and reference values for the carotid intima-media thickness in a Uruguayan Population. , 2012, 2012, 5622-5.		1
67	Hyperemia-Related Changes in Arterial Stiffness: Comparison between Pulse Wave Velocity and Stiffness Index in the Vascular Reactivity Assessment. <i>International Journal of Vascular Medicine</i> , 2012, 2012, 1-7.	0.4	9
68	Health Informatics Design for Assisted Diagnosis of Subclinical Atherosclerosis, Structural, and Functional Arterial Age Calculus and Patient-Specific Cardiovascular Risk Evaluation. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 943-951.	3.6	25
69	Effects of aging on thoracic aorta size and shape: A non-contrast CT study. , 2012, 2012, 4986-9.		9
70	Post-implant evaluation of the anastomotic mechanical and geometrical coupling between human native arteries and arterial cryografts implanted in lower-limb. <i>Cryobiology</i> , 2012, 64, 50-59.	0.3	3
71	Intra-aortic balloon pumping reduces the increased arterial load caused by acute cardiac depression, modifying central and peripheral load determinants in a time- and flow-related way. <i>Heart and Vessels</i> , 2012, 27, 517-527.	0.5	6
72	Aging Impact on Thoracic Aorta 3D Morphometry in Intermediate-Risk Subjects: Looking Beyond Coronary Arteries with Non-Contrast Cardiac CT. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1028-1038.	1.3	47

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73	Integrated e-Health Approach Based on Vascular Ultrasound and Pulse Wave Analysis for Asymptomatic Atherosclerosis Detection and Cardiovascular Risk Stratification in the Community. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 287-294.	3.6	34
74	Vascular Smooth Muscle Activation Improves Aortic Compliance with Respect to Mechanical Loading. Cardiovascular Engineering and Technology, 2012, 3, 80-87.	0.7	1
75	Updating Engineering Education in the Southern Cone: Creativity and Innovation. Creative Education, 2012, 03, 733-736.	0.2	8
76	Gender-related differences in the excess pressure component of central aortic pressure waveform of healthy young. , 2011, 2011, 207-10.		2
77	Arterial diameter measurement using high resolution ultrasonography: In vitro validation. , 2011, 2011, 203-6.		1
78	Age-related changes in reservoir and excess components of central aortic pressure in asymptomatic adults. , 2011, 2011, 6454-7.		2
79	Impact of coronary artery calcium on cardiovascular risk categorization and lipid-lowering drug eligibility in asymptomatic hypercholesterolemic men. International Journal of Cardiology, 2011, 151, 200-204.	0.8	16
80	Non-invasive assessment of allometric scaling laws in the human coronary tree. Artery Research, 2011, 5, 15.	0.3	6
81	Integrated Evaluation of Age-Related Changes in Structural and Functional Vascular Parameters Used to Assess Arterial Aging, Subclinical Atherosclerosis, and Cardiovascular Risk in Uruguayan Adults: CUiiDARTE Project. International Journal of Hypertension, 2011, 2011, 1-12.	0.5	29
82	The Endothelium Modulates the Arterial Wall Mechanical Response to Intra-aortic Balloon Counterpulsation: In Vivo Studies. Artificial Organs, 2011, 35, 883-892.	1.0	6
83	Linear and Nonlinear Viscoelastic Modeling of Aorta and Carotid Pressure-Area Dynamics Under In Vivo and Ex Vivo Conditions. Annals of Biomedical Engineering, 2011, 39, 1438-1456.	1.3	77
84	Uruguay eHealth initiative: Preliminary studies regarding an integrated approach to evaluate vascular age and preclinical atherosclerosis (CUiiDARTE project). , 2011, 2011, 842-5.		2
85	Pulse wave velocity normal levels in a Uruguayan population: Differences between &#x2018;adjusted&#x2019; and measured values vary depending on age and the calculation algorithm used. , 2011, 2011, 211-4.		2
86	Welcome message from IEEE EMBS president. , 2010, , .		0
87	Arterial Wall Structure and Dynamics in Type 2 Diabetes Mellitus Methodological Aspects and Pathophysiological Findings. Current Diabetes Reviews, 2010, 6, 367-377.	0.6	39
88	Effects of Removing the Adventitia on the Mechanical Properties of Ovine Femoral Arteries In Vivo and In Vitro. Circulation Journal, 2010, 74, 1014-1022.	0.7	14
89	Vascular Cryografts Offer Better Biomechanical Properties in Chronically Hemodialyzed Patients: Role of Cryograft Type, Arterial Pathway, and Diabetic Nephropathy as Matching Determinants. Artificial Organs, 2010, 34, 677-684.	1.0	4
90	The physiological impact of the nonlinearity of arterial elasticity in the ambulatory arterial stiffness index. Physiological Measurement, 2010, 31, 1037-1046.	1.2	20

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91	Validity of a new method to estimate mean arterial pressure at brachial level. , 2010, 2010, 2861-4.		1
92	Flow behavior and applicability of models for different hemodynamic states. , 2010, 2010, 4963-6.		1
93	Estimation of coronary length-volume allometric relations Of human arteries invivo using CT. , 2010, 2010, 5716-9.		1
94	Merging Medical Humanism and Technology. IEEE Pulse, 2010, 1, 50-54.	0.1	5
95	Humanitarian engineering: Democratizing science and technology. , 2010, 2010, 308-11.		1
96	Smooth Muscle-Dependent Changes in Aortic Wall Dynamics during Intra-Aortic Counterpulsation in an Animal Model of Acute Heart Failure. International Journal of Artificial Organs, 2009, 32, 354-361.	0.7	11
97	Vascular access Localization Determines Regional Changes in Arterial Stiffness. Journal of Vascular Access, 2009, 10, 192-198.	0.5	15
98	Biomechanics of the ergometric stress tests: Regional and local effects on elastic, transitional and muscular human arteries. , 2009, 2009, 2839-42.		3
99	Reactive hyperemia-related changes in carotid-radial pulse wave velocity as a potential tool to characterize the endothelial dynamics. , 2009, 2009, 1800-3.		11
100	Subclinical atherosclerosis modeling: Integration of coronary artery calcium score to framingham equation. , 2009, 2009, 5348-51.		4
101	Cardiac resynchronization results in aortic blood flow-associated changes in the arterial load components: Basal biomechanical conditions determine the load changes. , 2009, 2009, 2843-7.		1
102	Association between mechanics and structure in arteries and veins: Theoretical approach to vascular graft confection. , 2009, 2009, 4258-61.		1
103	Application of a transient elastography technique to the characterization of the arterial wall elasticity. , 2009, , .		6
104	Analysis of Viscoelastic Wall Properties in Ovine Arteries. IEEE Transactions on Biomedical Engineering, 2009, 56, 210-219.	2.5	61
105	Non-Invasive Biomechanical Evaluation of Implanted Human Cryopreserved Arterial Homografts. Annals of Biomedical Engineering, 2009, 37, 1273-1286.	1.3	20
106	Coronary Arteries Simplified with 3D Cylinders to Assess True Bifurcation Angles in Atherosclerotic Patients. Cardiovascular Engineering (Dordrecht, Netherlands), 2009, 9, 127-133.	1.0	15
107	Reversal Blood Flow Component as Determinant of the Arterial Functional Capability: Theoretical Implications in Physiological and Therapeutic Conditions. Artificial Organs, 2009, 33, 266-272.	1.0	3
108	Preservation of Muscular and Elastic Artery Distensibility After an Intercontinental Cryoconserved Exchange: Theoretical Advances in Arterial Homograft Generation and Utilization. Artificial Organs, 2009, 33, 662-669.	1.0	7

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109	Atheromatous Plaques: Quantitative Analysis of the Echogenicity of Different Layers. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009, 62, 984-991.	0.4	3
110	Assessment of pulsatile wall shear stress in compliant arteries: Numerical model, validation and experimental data. , 2009, 2009, 2847-50.		2
111	Placas de ateroma: descripci3n cuantitativa de la ecogenicidad por capas. <i>Revista Espanola De Cardiologia</i> , 2009, 62, 984-991.	0.6	7
112	Modeling Viscoelastic Wall Properties of Ovine Arteries. , 2009, , .		1
113	Arterial load reduction after cardiac resynchronization therapy: why does it change?. <i>European Journal of Echocardiography</i> , 2009, 10, 461-462.	2.3	2
114	Fractional-order viscoelasticity applied to describe uniaxial stress relaxation of human arteries. <i>Physics in Medicine and Biology</i> , 2008, 53, 4543-4554.	1.6	111
115	Effects of Intra-Aortic Counterpulsation on Aortic Wall Energetics and Damping: In Vivo Experiments. <i>ASAIO Journal</i> , 2008, 54, 44-49.	0.9	7
116	Regional differences in veins wall viscosity, compliance. energetics and damping: analysis of the pressure-diameter relationship during cyclical overloads. <i>Biological Research</i> , 2008, 41, .	1.5	7
117	Regional differences in veins wall viscosity, compliance, energetics and damping: analysis of the pressure-diameter relationship during cyclical overloads. <i>Biological Research</i> , 2008, 41, 227-33.	1.5	3
118	Assessment of training-dependent changes in the left ventricle torsion dynamics of professional soccer players using speckle-tracking echocardiography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2709-12.	0.5	7
119	Acute increase in reversal blood flow during counterpulsation is associated with vasoconstriction and changes in the aortic mechanics. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 3986-9.	0.5	8
120	Improved right ventricular"vascular coupling during active pulmonary hypertension. <i>International Journal of Cardiology</i> , 2007, 115, 171-182.	0.8	33
121	The Adventitia Reduces Left Ventricular Dynamic Afterload Via Smooth Muscle Activation-Dependent Mechanisms. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2007, 60, 501-509.	0.4	1
122	Changes in Vein Dynamics Ranging from Low to High Pressure Levels as a Determinant of the Differences in Vein Adaptation to Arterial Hemodynamic Conditions. <i>Artificial Organs</i> , 2007, 31, 575-580.	1.0	8
123	Differential Functional Coupling Between Human Saphenous Cryoallografts and Arteries: Importance of the Arterial Type and the Biomechanical Parameter Evaluated. <i>Artificial Organs</i> , 2007, 31, 809-818.	1.0	11
124	Smart smooth muscle spring-dampers. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2007, 26, 62-70.	1.1	53
125	Functional properties of fresh and cryopreserved carotid and femoral arteries, and of venous and synthetic grafts: comparison with arteries from normotensive and hypertensive patients. <i>Cell and Tissue Banking</i> , 2007, 8, 43-57.	0.5	29
126	A fractional derivative model to describe arterial viscoelasticity. <i>Biorheology</i> , 2007, 44, 251-63.	1.2	68



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127	Arterial viscoelasticity: a fractional derivative model. , 2006, 2006, 1098-101.		12
128	Viscoelastic and Functional Similarities Between Native Femoral Arteries and Fresh or Cryopreserved Arterial and Venous Homografts. Revista Espanola De Cardiologia (English Ed ), 2006, 59, 679-687.	0.4	4
129	An in vitro study of cryopreserved and fresh human arteries: a comparison with ePTFE prostheses and human arteries studied non-invasively in vivo. Cryobiology, 2006, 52, 17-26.	0.3	37
130	Regional Differences in Vein Wall Dynamics Under Arterial Hemodynamic Conditions: Comparison With Arteries. Artificial Organs, 2006, 30, 265-275.	1.0	20
131	Cryopreservation procedure does not modify human carotid homografts mechanical properties: an isobaric and dynamic analysis. Cell and Tissue Banking, 2006, 7, 183-194.	0.5	48
132	Smart Damping Modulation of Carotid Wall Energetics in Human Hypertension. Hypertension, 2006, 47, 384-390.	1.3	78
133	Reduced Elastic Mismatch Achieved by Interposing Vein Cuff in Expanded Polytetrafluoroethylene Femoral Bypass Decreases Intimal Hyperplasia. Artificial Organs, 2005, 29, 122-130.	1.0	21
134	Femoral arteries energy dissipation and filtering function remain unchanged after cryopreservation procedure. Transplant International, 2005, 18, 1346-1355.	0.8	17
135	Improved pulmonary artery buffering function during phenylephrine-induced pulmonary hypertension. Molecular and Cellular Biochemistry, 2003, 246, 19-24.	1.4	8
136	A biphasic model of limb venous compliance: a comparison with linear and exponential models. Journal of Applied Physiology, 2003, 95, 1207-1215.	1.2	18
137	Endothelium-dependent arterial wall tone elasticity modulated by blood viscosity. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H389-H394.	1.5	49
138	Gender differences in wall shearâ€‘mediated brachial artery vasoconstriction and vasodilation. Journal of the American College of Cardiology, 2001, 38, 1668-1674.	1.2	97
139	Identification of Arterial Wall Dynamics in Conscious Dogs. Experimental Physiology, 2001, 86, 519-528.	0.9	37
140	Do Arterial Effects of Antihypertensive Drugs Depend on Subject's Serum Cholesterol?. Journal of Cardiovascular Pharmacology, 2001, 38, 520-528.	0.8	4
141	Experimental and clinical validation of arterial diameter waveform and intimal media thickness obtained from B-mode ultrasound image processing. Ultrasound in Medicine and Biology, 1999, 25, 1353-1363.	0.7	140
142	Carotid wall inertial index increase is related to intima-media thickening in hypertensive patients. Journal of Hypertension, 1999, 17, 1825-1829.	0.3	13
143	Carotid Wall Viscosity Increase Is Related to Intima-Media Thickening in Hypertensive Patients. Hypertension, 1998, 31, 534-539.	1.3	61
144	Effects of Hypertension on Viscoelasticity of Carotid and Femoral Arteries in Humans. Hypertension, 1995, 26, 48-54.	1.3	163

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145	Fractal Analysis of Cardiovascular Signals Empowering the Bioengineering Knowledge. , 0, , .		3
146	Nonlinear Systems in Healthcare towards Intelligent Disease Prediction. , 0, , .		10