

# Giandomenico Nollo

## List of Publications by Year in descending order

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155  
papers

4,345  
citations

94269

37  
h-index

133063

59  
g-index

156  
all docs

156  
docs citations

156  
times ranked

3947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-state field-assisted ion exchange of Ag in lithium aluminum silicate glass-ceramics: A superfast processing route toward stronger materials with antimicrobial properties. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1750-1761.	2.8	10
2	A Simple Method to Quantify Outward Leakage of Medical Face Masks and Barrier Face Coverings: Implication for the Overall Filtration Efficiency. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3548.	1.2	16
3	“Long COVID” results after hospitalization for SARS-CoV-2 infection. <i>Scientific Reports</i> , 2022, 12, .	1.6	14
4	The paradox of implantable cardioverter-defibrillator: When guidelines may play against care improvement. <i>American Heart Journal</i> , 2021, 233, 149-150.	1.2	0
5	Multilevel assessment of mental stress via network physiology paradigm using consumer wearable devices. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 4409-4418.	3.3	16
6	The Conundrum of Giglio Island: Unraveling the dynamics of an apparent resistance to COVID-19 “ A descriptive study. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1467-1471.	1.9	1
7	Rhamnolipid coating reduces microbial biofilm formation on titanium implants: an in vitro study. <i>BMC Oral Health</i> , 2021, 21, 49.	0.8	18
8	A Propensity Score-Matched Analysis to Assess the Outcomes in Pre- and Post-Fast-Track Hip and Knee Elective Prosthesis Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 741.	1.0	5
9	NEWS2 is a valuable tool for appropriate clinical management of COVID-19 patients. <i>European Journal of Internal Medicine</i> , 2021, 85, 118-120.	1.0	10
10	Quantitative $\text{MRI T2}$ Mapping is Able to Assess Tissue Quality After Reparative and Regenerative Treatments of Osteochondral Lesions of the Talus. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1572-1582.	1.9	5
11	Estimation of Granger causality through Artificial Neural Networks: applications to physiological systems and chaotic electronic oscillators. <i>PeerJ Computer Science</i> , 2021, 7, e429.	2.7	14
12	Solid state field-assisted silver ion exchange in porcelain stoneware: A new route toward antimicrobial tiles?. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3755-3760.	2.8	7
13	Counter-Acting <i>Candida albicans</i> - <i>Staphylococcus aureus</i> Mixed Biofilm on Titanium Implants Using Microbial Biosurfactants. <i>Polymers</i> , 2021, 13, 2420.	2.0	13
14	Digital Twin of COVID-19 Mass Vaccination Centers. <i>Sustainability</i> , 2021, 13, 7396.	1.6	22
15	The negative effects of COVID-19 and national lockdown on emergency surgery morbidity due to delayed access. <i>World Journal of Emergency Surgery</i> , 2021, 16, 37.	2.1	27
16	Comparison of frequency domain measures based on spectral decomposition for spontaneous baroreflex sensitivity assessment after Acute Myocardial Infarction. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102680.	3.5	6
17	Industry 4.0 at the service of public health against the COVID-19 pandemic. <i>Disaster Medicine and Public Health Preparedness</i> , 2021, , 1-4.	0.7	2
18	Technological Infrastructure Supports New Paradigm of Care for Healthy Aging: The Living Lab Ausilia. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 85-99.	0.3	2

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19	Declining clinical benefit of ICD in heart failure patients: Temporal trend of mortality outcomes from randomized controlled trials. <i>Journal of Cardiology</i> , 2020, 75, 148-154.	0.8	11
20	Implementation and validation of real-time algorithms for atrial fibrillation detection on a wearable ECG device. <i>Computers in Biology and Medicine</i> , 2020, 116, 103540.	3.9	29
21	Is the clinical benefit of primary prevention implantable cardioverter-defibrillator overestimated? The role of sudden cardiac death to total mortality ratio. <i>European Heart Journal</i> , 2020, 41, 4525-4526.	1.0	4
22	Information Transfer in Linear Multivariate Processes Assessed through Penalized Regression Techniques: Validation and Application to Physiological Networks. <i>Entropy</i> , 2020, 22, 732.	1.1	24
23	Causal and Non-Causal Frequency Domain Assessment of Spontaneous Baroreflex Sensitivity after Myocardial Infarction. , 2020, , .		1
24	The quality concerns in health care Big Data. , 2020, , .		2
25	Author's reply: "Declining clinical benefit of ICD in heart failure patients". <i>Journal of Cardiology</i> , 2020, 75, 584-585.	0.8	0
26	Morphological MRI of knee cartilage: repeatability and reproducibility of damage evaluation and correlation with gross pathology examination. <i>European Radiology</i> , 2020, 30, 3226-3235.	2.3	12
27	Public Health Decision-Making in the Real World: Four Points to Reshape It After COVID-19. <i>Disaster Medicine and Public Health Preparedness</i> , 2020, 14, 504-505.	0.7	3
28	Multivariate Correlation Measures Reveal Structure and Strength of Brain-Body Physiological Networks at Rest and During Mental Stress. <i>Frontiers in Neuroscience</i> , 2020, 14, 602584.	1.4	21
29	Microscopic Observation of Proliferative Membranes in Fibrocontractive Retinal Disorders. <i>Journal of Ophthalmology</i> , 2019, 2019, 1-10.	0.6	6
30	Dental Implants with Anti-Biofilm Properties: A Pilot Study for Developing a New Sericin-Based Coating. <i>Materials</i> , 2019, 12, 2429.	1.3	21
31	Heart failure patients unresponsive to implantable cardioverter-defibrillator therapy: a neglected problem. <i>European Journal of Heart Failure</i> , 2019, 21, 1507-1509.	2.9	2
32	Intensity of medical care in internal medicine: impact on outcomes from a trend analysis over six years. <i>Italian Journal of Medicine</i> , 2019, 13, 95-102.	0.2	3
33	Minimally Invasive Assessment of Mental Stress based on Wearable Wireless Physiological Sensors and Multivariate Biosignal Processing. , 2019, , .		3
34	Assessing the accuracy of computer-planned osteotomy guided by stereolithographic template: A methodological framework applied to the mandibular bone harvesting. <i>Computers in Biology and Medicine</i> , 2019, 114, 103435.	3.9	13
35	A model based on intensity of medical care may improve outcomes for internal medicine patients in Italy. <i>PLoS ONE</i> , 2019, 14, e0211548.	1.1	4
36	Information Dynamics of the Brain, Cardiovascular and Respiratory Network during Different Levels of Mental Stress. <i>Entropy</i> , 2019, 21, 275.	1.1	29

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37	A patient-specific mass-spring model for biomechanical simulation of aortic root tissue during transcatheter aortic valve implantation. <i>Physics in Medicine and Biology</i> , 2019, 64, 085014.	1.6	3
38	Assessment of Mental Stress Through the Analysis of Physiological Signals Acquired From Wearable Devices. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 243-256.	0.3	8
39	Mutual Information Analysis of Brain-Body Interactions during different Levels of Mental stress. , 2019, 2019, 6176-6179.		7
40	Medical-Grade Silicone Coated with Rhamnolipid R89 Is Effective against <i>Staphylococcus</i> spp. Biofilms. <i>Molecules</i> , 2019, 24, 3843.	1.7	36
41	Comparison of methods for the assessment of nonlinearity in short-term heart rate variability under different physiopathological states. <i>Chaos</i> , 2019, 29, 123114.	1.0	38
42	A New Approach for Ageing at Home: The CAPTAIN System. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1704-1705.	0.2	10
43	Prostate calcifications: A case series supporting the microbial biofilm theory. <i>Investigative and Clinical Urology</i> , 2018, 59, 187.	1.0	13
44	Semi-structured physical activity intervention in daily life: a good compromise between effectiveness and feasibility. <i>Sport Sciences for Health</i> , 2018, 14, 663-671.	0.4	2
45	Ventricular tachycardia-inducibility predicts arrhythmic events in post-myocardial infarction patients with low ejection fraction. A systematic review and meta-analysis. <i>IJC Heart and Vasculature</i> , 2018, 20, 7-13.	0.6	7
46	Inhibition of <i>Candida albicans</i> biofilm by lipopeptide AC7 coated medical-grade silicone in combination with farnesol. <i>AIMS Bioengineering</i> , 2018, 5, 192-208.	0.6	18
47	Cerebrovascular and cardiovascular variability interactions investigated through conditional joint transfer entropy in subjects prone to postural syncope. <i>Physiological Measurement</i> , 2017, 38, 976-991.	1.2	38
48	Survival and time-to-transplantation of peritoneal dialysis versus hemodialysis for end-stage renal disease patients: competing-risks regression model in a single Italian center experience. <i>Journal of Nephrology</i> , 2017, 30, 441-447.	0.9	17
49	Application of the National Early Warning Score (NEWS) as a stratification tool on admission in an Italian acute medical ward: A perspective study. <i>International Journal of Clinical Practice</i> , 2017, 71, e12934.	0.8	24
50	Information Decomposition: A Tool to Dissect Cardiovascular and Cardiorespiratory Complexity. , 2017, , 87-113.		2
51	Multiscale Granger causality. <i>Physical Review E</i> , 2017, 96, 042150.	0.8	61
52	The post-DANISH era in clinical cardiology: Need of a better selection of patients for implantable cardioverter-defibrillator in dilated cardiomyopathy. <i>Journal of Cardiovascular Electrophysiology</i> , 2017, 28, E7.	0.8	1
53	Surface and Thermal Characteristics of Single-Use Electrosurgical Pencils After Clinical Reuse and In-Hospital Reprocessing. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2017, 11, .	0.4	1
54	A Multi-Variate Predictability Framework to Assess Invasive Cardiac Activity and Interactions During Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1157-1168.	2.5	13

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55	Cardiovascular and respiratory variability during orthostatic and mental stress: A comparison of entropy estimators. , 2017, 2017, 3481-3484.		1
56	Information transfer and information modification to identify the structure of cardiovascular and cardiorespiratory networks. , 2017, 2017, 1563-1566.		1
57	Implantable Cardioverter-Defibrillator in Dilated Cardiomyopathy after the DANISH-Trial Lesson. A Poly-Parametric Risk Evaluation Is Needed to Improve the Selection of Patients. Frontiers in Physiology, 2017, 8, 873.	1.3	6
58	Information Decomposition in Multivariate Systems: Definitions, Implementation and Application to Cardiovascular Networks. Entropy, 2017, 19, 5.	1.1	58
59	Efficient Computation of Multiscale Entropy over Short Biomedical Time Series Based on Linear State-Space Models. Complexity, 2017, 2017, 1-13.	0.9	48
60	Early healing of periâ€implant mucosa in man. Journal of Clinical Periodontology, 2016, 43, 816-824.	2.3	46
61	Multiscale analysis of information dynamics for linear multivariate processes. , 2016, 2016, 5489-5492.		3
62	Information-Theoretic Assessment of Cardiovascular Variability During Postural and Mental Stress. IFMBE Proceedings, 2016, , 67-70.	0.2	1
63	An Information-Theoretic Framework to Map the Spatiotemporal Dynamics of the Scalp Electroencephalogram. IEEE Transactions on Biomedical Engineering, 2016, 63, 2488-2496.	2.5	18
64	Nonlinear effects of respiration on the crosstalk between cardiovascular and cerebrovascular control systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150179.	1.6	40
65	Inferior frontal gyrus links visual and motor cortices during a visuomotor precision grip force task. Brain Research, 2016, 1650, 252-266.	1.1	28
66	AUSILIA: Assisted unit for simulating independent living activities. , 2016, , .		16
67	Social media for clinical management of neurologic diseases: An HTA approach. , 2016, , .		0
68	Heart Rate Turbulence Is a Powerful Predictor of Cardiac Death and Ventricular Arrhythmias in Postmyocardial Infarction and Heart Failure Patients. Circulation: Arrhythmia and Electrophysiology, 2016, 9, .	2.1	37
69	Myocardial Fibrosis Assessment by LGE IsÂa Powerful Predictor of Ventricular Tachyarrhythmias in Ischemic andÂNonischemic LV Dysfunction. JACC: Cardiovascular Imaging, 2016, 9, 1046-1055.	2.3	248
70	A Multi-techniques Approach to assess reprocessing of Single-use electrosurgical pencils. , 2015, 2015, 6876-9.		1
71	Algorithms for the inference of causality in dynamic processes: Application to cardiovascular and cerebrovascular variability. , 2015, 2015, 1789-92.		4
72	Conditional Self-Entropy and Conditional Joint Transfer Entropy in Heart Period Variability during Graded Postural Challenge. PLoS ONE, 2015, 10, e0132851.	1.1	49

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73	Estimating the decomposition of predictive information in multivariate systems. <i>Physical Review E</i> , 2015, 91, 032904.	0.8	73
74	Information-theoretic assessment of cardiovascular-brain networks during sleep. , 2015, , .		0
75	Redundant and synergistic information transfer in cardiovascular and cardiorespiratory variability. , 2015, 2015, 4033-6.		4
76	Information Decomposition in Bivariate Systems: Theory and Application to Cardiorespiratory Dynamics. <i>Entropy</i> , 2015, 17, 277-303.	1.1	105
77	Bridging the gap between the development of advanced biomedical signal processing tools and clinical practice. <i>Physiological Measurement</i> , 2015, 36, 627-631.	1.2	0
78	Effect of Age on Complexity and Causality of the Cardiovascular Control: Comparison between Model-Based and Model-Free Approaches. <i>PLoS ONE</i> , 2014, 9, e89463.	1.1	86
79	Quantification of Fibrin in Blood Thrombi Formed in Hemodialysis Central Venous Catheters: A Pilot Study on 43 CVCs. <i>Journal of Vascular Access</i> , 2014, 15, 278-285.	0.5	3
80	Investigating cardiac and respiratory determinants of heart rate variability in an information-theoretic framework. , 2014, 2014, 6020-3.		4
81	Lag-Specific Transfer Entropy as a Tool to Assess Cardiovascular and Cardiorespiratory Information Transfer. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2556-2568.	2.5	71
82	Blood Flow in Hemodialysis Catheters: A Numerical Simulation and Microscopic Analysis of In Vivo Formed Fibrin. <i>Artificial Organs</i> , 2014, 38, 556-565.	1.0	23
83	Investigating cardiovascular and cerebrovascular variability in postural syncope by means of extended Granger causality. , 2014, , .		2
84	Effect of Chlorhexidine in Preventing Plaque Biofilm on Healing Abutment. <i>Implant Dentistry</i> , 2014, 23, 64-68.	1.7	20
85	Morphogenesis of peri-implant mucosa revisited: an experimental study in humans. <i>Clinical Oral Implants Research</i> , 2014, 25, 997-1003.	1.9	102
86	Granger causality analysis of sleep brain-heart interactions. , 2014, , .		6
87	Solidago, orthosiphon, birch and cranberry extracts can decrease microbial colonization and biofilm development in indwelling urinary catheter: a microbiologic and ultrastructural pilot study. <i>World Journal of Urology</i> , 2014, 32, 1007-1014.	1.2	22
88	Measuring frequency domain granger causality for multiple blocks of interacting time series. <i>Biological Cybernetics</i> , 2013, 107, 217-232.	0.6	16
89	Investigating the mechanisms of cardiovascular and cerebrovascular regulation in orthostatic syncope through an information decomposition strategy. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 178, 76-82.	1.4	65
90	Measuring postural-related changes of spontaneous baroreflex sensitivity after repeated long-duration diving: Frequency domain approaches. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 178, 96-102.	1.4	15

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91	A framework for assessing frequency domain causality in physiological time series with instantaneous effects. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110618.	1.6	69
92	Compensated Transfer Entropy as a Tool for Reliably Estimating Information Transfer in Physiological Time Series. <i>Entropy</i> , 2013, 15, 198-219.	1.1	81
93	Decomposing the transfer entropy to quantify lag-specific Granger causality in cardiovascular variability. , 2013, 2013, 5049-52.		4
94	Cardiovascular control and time domain Granger causality: insights from selective autonomic blockade. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120161.	1.6	62
95	Hemodialysis Catheter Thrombi: Visualization and Quantification of Microstructures and Cellular Composition. <i>Journal of Vascular Access</i> , 2013, 14, 257-263.	0.5	7
96	Mechanisms of causal interaction between short-term RR interval and systolic arterial pressure oscillations during orthostatic challenge. <i>Journal of Applied Physiology</i> , 2013, 114, 1657-1667.	1.2	69
97	Compensating for instantaneous signal mixing in transfer entropy analysis of neurobiological time series. , 2012, 2012, 3672-5.		2
98	Measuring Connectivity in Linear Multivariate Processes: Definitions, Interpretation, and Practical Analysis. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-18.	0.7	88
99	Non-uniform multivariate embedding to assess the information transfer in cardiovascular and cardiorespiratory variability series. <i>Computers in Biology and Medicine</i> , 2012, 42, 290-297.	3.9	75
100	Cardiac Veins and Pulmonary Veins. , 2012, , 185-200.		0
101	Multivariate EEG spectral analysis evidences the functional link between motor and visual cortex during integrative sensorimotor tasks. <i>Biomedical Signal Processing and Control</i> , 2012, 7, 221-227.	3.5	15
102	Critical Issues in Reprocessing Single-Use Medical Devices for Interventional Cardiology. , 2011, , .		2
103	Information Domain Approach to the Investigation of Cardio-Vascular, Cardio-Pulmonary, and Vasculo-Pulmonary Causal Couplings. <i>Frontiers in Physiology</i> , 2011, 2, 80.	1.3	79
104	Feasibility of cuff-free measurement of systolic and diastolic arterial blood pressure. <i>Journal of Electrocardiology</i> , 2011, 44, 201-207.	0.4	70
105	k-Nearest neighbour local linear prediction of scalp EEG activity during intermittent photic stimulation. <i>Medical Engineering and Physics</i> , 2011, 33, 504-512.	0.8	11
106	Information-based detection of nonlinear Granger causality in multivariate processes via a nonuniform embedding technique. <i>Physical Review E</i> , 2011, 83, 051112.	0.8	199
107	Cold intermittent cardioplegia reduces the acidosis during prolonged cardiac surgery with cardiopulmonary bypass. , 2011, 2011, 8432-5.		0
108	Assessing directional interactions among multiple physiological time series: The role of instantaneous causality. , 2011, 2011, 5919-22.		3



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109	Extended causal modeling to assess Partial Directed Coherence in multiple time series with significant instantaneous interactions. <i>Biological Cybernetics</i> , 2010, 103, 387-400.	0.6	74
110	Testing Frequency-Domain Causality in Multivariate Time Series. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1897-1906.	2.5	79
111	Compression range for pediatric CPR training mannequin should match physiological parameters. <i>Resuscitation</i> , 2010, 81, 777.	1.3	2
112	Detecting nonlinear causal interactions between dynamical systems by non-uniform embedding of multiple time series. , 2010, 2010, 102-5.		5
113	An identifiable model to assess frequency-domain granger causality in the presence of significant instantaneous interactions. , 2010, 2010, 1699-702.		5
114	A Method for the Time-Varying Nonlinear Prediction of Complex Nonstationary Biomedical Signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 205-209.	2.5	15
115	Time-Varying Surrogate Data to Assess Nonlinearity in Nonstationary Time Series: Application to Heart Rate Variability. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 685-695.	2.5	21
116	Surrogate data approaches to assess the significance of directed coherence: Application to EEG activity propagation. , 2009, 2009, 6280-3.		9
117	Robust estimation of Partial Directed Coherence by the vector optimal parameter search algorithm. , 2009, , .		1
118	Assessing causality in normal and impaired short-term cardiovascular regulation via nonlinear prediction methods. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 1423-1440.	1.6	25
119	Assessment of Granger Causality by Nonlinear Model Identification: Application to Short-term Cardiovascular Variability. <i>Annals of Biomedical Engineering</i> , 2008, 36, 381-395.	1.3	70
120	Isolation of the left atrial surface from cardiac multi-detector CT images based on marker controlled watershed segmentation. <i>Medical Engineering and Physics</i> , 2008, 30, 48-58.	0.8	36
121	An Automatic System for the Analysis and Classification of Human Atrial Fibrillation Patterns from Intracardiac Electrograms. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 2275-2285.	2.5	22
122	Nonlinear coupling is absent in acute myocardial patients but not healthy subjects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H578-H586.	1.5	13
123	Parametric and nonparametric methods to generate time-varying surrogate data. , 2008, 2008, 3504-7.		2
124	Mutual nonlinear prediction as a tool to evaluate coupling strength and directionality in bivariate time series: Comparison among different strategies based on $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">k \rangle$ nearest neighbors. <i>Physical Review E</i> , 2008, 78, 026201.	0.8	75
125	A stochastic approach for automatic registration and fusion of left atrial electroanatomic maps with 3D CT anatomical images. <i>Physics in Medicine and Biology</i> , 2007, 52, 6323-6337.	1.6	18
126	Mutual Nonlinear Prediction of Cardiovascular Variability Series: Comparison between Exogenous and Autoregressive Exogenous Models. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5955-8.	0.5	0



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127	Small-sample characterization of stochastic approximation staircases in forced-choice adaptive threshold estimation. <i>Perception &amp; Psychophysics</i> , 2007, 69, 254-262.	2.3	41
128	Bivariate nonlinear prediction to quantify the strength of complex dynamical interactions in short-term cardiovascular variability. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 383-392.	1.6	24
129	Sterility and Microbiological Assessment of Reused Single-Use Cardiac Electrophysiology Catheters. <i>Infection Control and Hospital Epidemiology</i> , 2006, 27, 1385-1392.	1.0	15
130	Efficiency in endotoxin removal by a reprocessing protocol for electrophysiology catheters based on hydrogen peroxide plasma sterilization. <i>International Journal of Hygiene and Environmental Health</i> , 2006, 209, 557-565.	2.1	25
131	Causal Cross-Spectral Analysis of Heart Rate and Blood Pressure Variability for describing the Impairment of the Cardiovascular Control in Neurally Mediated Syncope. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 65-73.	2.5	28
132	Functional properties and performance of new and reprocessed coronary angioplasty balloon catheters. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 78B, 364-372.	1.6	15
133	Mixed predictability and cross-validation to assess non-linear Granger causality in short cardiovascular variability series. <i>Biomedizinische Technik</i> , 2006, 51, 255-259.	0.9	7
134	Wave Similarity Mapping Shows the Spatiotemporal Distribution of Fibrillatory Wave Complexity in the Human Right Atrium During Paroxysmal and Chronic Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2005, 16, 1071-1076.	0.8	60
135	Toward personal eHealth in cardiology. Results from the EPI-MEDICS telemedicine project. <i>Journal of Electrocardiology</i> , 2005, 38, 100-106.	0.4	100
136	Radiofrequency Ablation on Heart-equivalent Phantom. Functionality Testing of Percutaneous Single-use Catheter.. , 2005, , 229-233.		2
137	Exploring directionality in spontaneous heart period and systolic pressure variability interactions in humans: implications in the evaluation of baroreflex gain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H1777-H1785.	1.5	105
138	Enormous bi-atrial enlargement in a persistent idiopathic atrial standstill. <i>European Heart Journal</i> , 2005, 26, 2276-2276.	1.0	5
139	Determination of Synchronization of Electrical Activity in the Heart by Shannon Entropy Measure. , 2005, , 235-239.		0
140	The role of multidetector CT in the evaluation of the left atrium and pulmonary veins anatomy before and after radio-frequency catheter ablation for atrial fibrillation. Preliminary results and work in progress. Technical note. <i>Radiologia Medica</i> , 2005, 110, 52-60.	4.7	8
141	Surrogate Data Analysis for Assessing the Significance of the Coherence Function. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 1156-1166.	2.5	158
142	Quantifying the contribution of arm postural tremor to the outcome of goal-directed pointing task by displacement measures. <i>Journal of Neuroscience Methods</i> , 2004, 139, 185-193.	1.3	20
143	Evaluation and quantification of reprocessing modification in single-use devices in interventional cardiology. <i>Applied Surface Science</i> , 2004, 238, 341-346.	3.1	15
144	Evidence of unbalanced regulatory mechanism of heart rate and systolic pressure after acute myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H1200-H1207.	1.5	62

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145	A method for quantifying atrial fibrillation organization based on wave-morphology similarity. IEEE Transactions on Biomedical Engineering, 2002, 49, 1504-1513.	2.5	107
146	Capture of Atrial Fibrillation Reduces the Atrial Defibrillation Threshold. PACE - Pacing and Clinical Electrophysiology, 2002, 25, 1159-1165.	0.5	8
147	Absence of slowest oscillations in short term heart rate variability of post-myocardial infarction patients. GISSI-3 arrhythmias substudy. Autonomic Neuroscience: Basic and Clinical, 2001, 90, 127-131.	1.4	3
148	Causal linear parametric model for baroreflex gain assessment in patients with recent myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1830-H1839.	1.5	45
149	Spectral and bidirectional filters give different results for signal-averaged ECG analysis in patients with postmyocardial infarction. Journal of Electrocardiology, 2000, 33, 233-240.	0.4	2
150	Capture Window in Human Atrial Fibrillation.. Journal of Cardiovascular Electrophysiology, 1999, 10, 319-327.	0.8	36
151	ADAPTATION OF THE QT INTERVAL TO HEART RATE CHANGES IN ISOLATED PERFUSED GUINEA PIG HEART: INFLUENCE OF AMIODARONE AND SOTALOL. Pharmacological Research, 1997, 35, 409-416.	3.1	14
152	Dynamic Electrophysiological Behavior of Human Atria During Paroxysmal Atrial Fibrillation. Circulation, 1995, 92, 1193-1202.	1.6	148
153	Spontaneous beat-to-beat variability of the ventricular repolarization duration. Journal of Electrocardiology, 1992, 25, 9-17.	0.4	47
154	Multivariate Frequency Domain Analysis of Causal Interactions in Physiological Time Series. , 0, , .		36
155	Developing ambient assisted living technologies exploiting potential of user-centred co-creation and agile methodology: the CAPTAIN project experience. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	3