

Claudia Lerma

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

798
citations

623734

14
h-index

580821

25
g-index

67
all docs

67
docs citations

67
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Poincaré plot indexes of heart rate variability capture dynamic adaptations after haemodialysis in chronic renal failure patients. <i>Clinical Physiology and Functional Imaging</i> , 2003, 23, 72-80.	1.2	113
2	Nocturnal heart rate variability parameters as potential fibromyalgia biomarker: correlation with symptoms severity. <i>Arthritis Research and Therapy</i> , 2011, 13, R185.	3.5	61
3	Brief cognitive behavioural intervention for depression and anxiety symptoms improves quality of life in chronic haemodialysis patients. <i>Psychology and Psychotherapy: Theory, Research and Practice</i> , 2017, 90, 105-123.	2.5	52
4	Stochastic Aspects of Cardiac Arrhythmias. <i>Journal of Statistical Physics</i> , 2007, 128, 347-374.	1.2	40
5	Hypothesis: The Chaos and Complexity Theory May Help our Understanding of Fibromyalgia and Similar Maladies. <i>Seminars in Arthritis and Rheumatism</i> , 2008, 37, 260-264.	3.4	37
6	Patterns of ectopy leading to increased risk of fatal or near-fatal cardiac arrhythmia in patients with depressed left ventricular function after an acute myocardial infarction. <i>Europace</i> , 2013, 15, 1304-1312.	1.7	32
7	The rule of bigeminy revisited: analysis in sudden cardiac death syndrome. <i>Journal of Electrocardiology</i> , 2007, 40, 78-88.	0.9	29
8	A Mathematical Analysis for the Cardiovascular Control Adaptations in Chronic Renal Failure. <i>Artificial Organs</i> , 2004, 28, 398-409.	1.9	27
9	Nonlinear dynamics of heart rate variability in response to orthostatism and hemodialysis in chronic renal failure patients: Recurrence analysis approach. <i>Medical Engineering and Physics</i> , 2013, 35, 178-187.	1.7	24
10	Ventricular arrhythmias and changes in heart rate preceding ventricular tachycardia in patients with an implantable cardioverter defibrillator. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 715-727.	2.8	22
11	Personal exposure to particulate matter less than 2.5 µm in Mexico City: a pilot study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2004, 14, 323-329.	3.9	20
12	Predicting the risk of sudden cardiac death. <i>Journal of Physiology</i> , 2016, 594, 2445-2458.	2.9	19
13	Baroreflex sensitivity estimation by the sequence method with delayed signals. <i>Clinical Autonomic Research</i> , 2012, 22, 289-297.	2.5	17
14	Multifractal Analysis Reveals Decreased Non-linearity and Stronger Anticorrelations in Heart Period Fluctuations of Fibromyalgia Patients. <i>Frontiers in Physiology</i> , 2018, 9, 1118.	2.8	15
15	Asymptomatic deep vein thrombosis in critically ill COVID-19 patients despite therapeutic levels of anti-Xa activity. <i>Thrombosis Research</i> , 2020, 196, 268-271.	1.7	15
16	Academic Performance during the COVID-19 Pandemic and Its Relationship with Demographic Factors and Alcohol Consumption in College Students. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 365.	2.6	15
17	Continuous wavelet transform based processing for estimating the power spectrum content of heart rate variability during hemodiafiltration. <i>Biomedical Signal Processing and Control</i> , 2020, 62, 102031.	5.7	14
18	Sign and magnitude scaling properties of heart rate variability in patients with end-stage renal failure: Are these properties useful to identify pathophysiological adaptations?. <i>Chaos</i> , 2017, 27, 093906.	2.5	13

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19	Preserved autonomic heart rate modulation in chronic renal failure patients in response to hemodialysis and orthostatism. <i>Clinical and Experimental Nephrology</i> , 2015, 19, 309-318.	1.6	12
20	Prevalence of Antibiotics Prescription and Assessment of Prescribed Daily Dose in Outpatients from Mexico City. <i>Antibiotics</i> , 2020, 9, 38.	3.7	12
21	Risk stratification for arrhythmic sudden cardiac death. <i>Heart Rhythm</i> , 2006, 3, 1497-1501.	0.7	11
22	ECG scaling properties of cardiac arrhythmias using detrended fluctuation analysis. <i>Physiological Measurement</i> , 2008, 29, 1255-1266.	2.1	11
23	Effects of Orthostatism and Hemodialysis on Mean Heart Period and Fractal Heart Rate Properties of Chronic Renal Failure Patients. <i>Artificial Organs</i> , 2017, 41, 1026-1034.	1.9	11
24	Analysis of diagonals in cross recurrence plots between heart rate and systolic blood pressure during supine position and active standing in healthy adults. <i>Chaos</i> , 2018, 28, 085704.	2.5	11
25	Association between severity of COVID-19 symptoms and habitual food intake in adult outpatients. <i>BMJ Nutrition, Prevention and Health</i> , 2021, 4, 469-478.	3.7	11
26	New Methods for the Analysis of Heartbeat Behavior in Risk Stratification. <i>Frontiers in Physiology</i> , 2011, 2, 88.	2.8	10
27	Fibromyalgia beyond reductionism. Heart rhythm fractal analysis to assess autonomic nervous system resilience. <i>Scandinavian Journal of Rheumatology</i> , 2016, 45, 151-157.	1.1	10
28	Response to Active Standing of Heart Beat Interval, Systolic Blood Volume and Systolic Blood Pressure: Recurrence Plot Analysis. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 109-123.	0.2	9
29	Association between Mean Heart Rate and Recurrence Quantification Analysis of Heart Rate Variability in End-Stage Renal Disease. <i>Entropy</i> , 2020, 22, 114.	2.2	8
30	Resilience: A Protective Factor from Depression and Anxiety in Mexican Dialysis Patients. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11957.	2.6	8
31	Correlation of syncopal burden with anxiety symptoms score in recurrent vasovagal syncope. <i>International Journal of Cardiology</i> , 2013, 166, 266-267.	1.7	7
32	Intraocular Pressure Changes During Hemodialysis or Hemodiafiltration in End-Stage Renal Disease Patients. <i>Therapeutic Apheresis and Dialysis</i> , 2018, 22, 624-629.	0.9	7
33	Visual Three-Dimensional Representation of Beat-to-Beat Electrocardiogram Traces During Hemodiafiltration. <i>Artificial Organs</i> , 2012, 36, 543-551.	1.9	6
34	Hemodynamic Response to Hemodialysis With Ultrafiltration Rate Profiles Either Gradually Decreasing or Gradually Increasing. <i>Artificial Organs</i> , 2016, 40, 684-691.	1.9	6
35	Prevalence of Aneurysmal Subarachnoid Hemorrhage Safety Indicators and Their Relation with Health Care Outcomes in a Mexican Population. <i>World Neurosurgery</i> , 2016, 91, 1-5.	1.3	6
36	Prediction of Sudden Cardiac Death Risk with a Support Vector Machine Based on Heart Rate Variability and Heartprint Indices. <i>Sensors</i> , 2020, 20, 5483.	3.8	6

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37	Dynamical interaction between heart rate and blood pressure of end-stage renal disease patients evaluated by cross recurrence plot diagonal analysis. <i>Journal of Applied Physiology</i> , 2020, 128, 189-196.	2.5	5
38	Heart Rate Variability Assessment Using Time-Frequency Analysis in Hypotensive and Non-Hypotensive Patients in Hemodialysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6074.	2.5	5
39	Long ECGs reveal rich and robust dynamical regimes in patients with frequent ectopy. <i>Chaos</i> , 2020, 30, 113127.	2.5	5
40	Correlation between Angiotensin Serum Levels and Very-Low-Frequency Spectral Power of Heart Rate Variability during Hemodialysis. <i>Life</i> , 2022, 12, 1020.	2.4	5
41	Cardiac Autonomic Response to Active Standing in Calcific Aortic Valve Stenosis. <i>Journal of Clinical Medicine</i> , 2021, 10, 2004.	2.4	4
42	Chronotropic Response and Heart Rate Variability before and after a 160 m Walking Test in Young, Middle-Aged, Frail, and Non-Frail Older Adults. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8413.	2.6	4
43	Cardiac Autonomic Response to Active Standing in Adults With Vasovagal Syncope. <i>Journal of Clinical Neurophysiology</i> , 2015, 32, 434-439.	1.7	3
44	Quantitative analysis of ventricular ectopic beats in short-term RR interval recordings to predict imminent ventricular tachyarrhythmia. <i>International Journal of Cardiology</i> , 2016, 225, 226-233.	1.7	3
45	Cardiovascular and Cerebral Hemodynamics in Asymptomatic Healthy Subjects With/Without Abnormal Head-up Tilt Test Versus Recurrent Fainters. <i>Journal of Clinical Neurophysiology</i> , 2018, 35, 77-83.	1.7	3
46	Dependence of Heart Rate Variability Indices on the Mean Heart Rate in Women with Well-Controlled Type 2 Diabetes. <i>Journal of Clinical Medicine</i> , 2021, 10, 4386.	2.4	3
47	ASSOCIATION BETWEEN PERSONAL PM10 EXPOSURE AND PULMONARY FUNCTION IN HEALTHY VOLUNTEERS FROM A SEMI-ARID CITY ON THE US-MEXICAN BORDER. <i>Revista Internacional De Contaminacion Ambiental</i> , 2018, 34, 583-595.	0.4	3
48	Gender-Specific Differences in Self-Care, Treatment-Related Symptoms, and Quality of Life in Hemodialysis Patients. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13022.	2.6	3
49	Mutual information analysis reveals bigeminy patterns in Andersen-Tawil syndrome and in subjects with a history of sudden cardiac death. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 693-707.	2.6	2
50	Identification of Impeding Factors for Dry Weight Achievement in End-Stage Renal Disease After Appropriate Kidney Graft Function. <i>Artificial Organs</i> , 2014, 38, 113-120.	1.9	2
51	Dynamical Behavior of Electrochemical Noise Associated to Corrosion Resistance of Ti-6Al-4V Alloy. <i>International Journal of Electrochemical Science</i> , 2018, , 2585-2595.	1.3	2
52	Inflammation and Reduced Parasympathetic Cardiac Modulation in Aortic-Valve Sclerosis. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4020.	2.5	2
53	Assessment of Factors Related to Diminished Appetite in Hemodialysis Patients with a New Adapted and Validated Questionnaire. <i>Nutrients</i> , 2021, 13, 1371.	4.1	2
54	Intraocular Pressure Changes during Hemodiafiltration with Two different Concentrations of Sodium in the Dialysate. <i>Biology</i> , 2022, 11, 12.	2.8	2

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55	Low-Intensity Intradialytic Exercise Attenuates the Relative Blood Volume Drop Due to Intravascular Volume Loss during Hemodiafiltration. <i>Blood Purification</i> , 2021, 50, 180-187.	1.8	1
56	Efficacy of an intervention program to prevent patient safety indicators in aneurysmal subarachnoid haemorrhage. <i>British Journal of Neurosurgery</i> , 2021, , 1-6.	0.8	1
57	Relationship between Vascular Calcification, Protein-Energy Wasting Syndrome, and Sarcopenia in Maintenance Automated Peritoneal Dialysis. <i>Life</i> , 2021, 11, 666.	2.4	1
58	Intra-beat Scaling Properties of Cardiac Arrhythmias and Sudden Cardiac Death. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
59	Relaci3n entre la Sensibilidad Barorrefleja y el Volumen Fotopletismogr3fico. <i>IFMBE Proceedings</i> , 2013, , 750-753.	0.3	0
60	Heart rate variability during hemodialysis with gradually decreasing and increasing ultrafiltration profiles. , 2013, , .		0
61	Electrochemical noise analysis of Ti-15Mo alloy samples exposed to Hanks solution: association between milling time and corrosion resistance. <i>MRS Advances</i> , 2017, 2, 3837-3844.	0.9	0
62	Detection of psychosocial distress in cancer patients: A survey of Mexican oncologists. <i>Journal of Psychosocial Oncology</i> , 2021, , 1-16.	1.2	0
63	Models for individualized COVID-19 diagnostic prediction. <i>Mexican Journal of Medical Research ICSA</i> , 2022, 10, 44-50.	0.2	0