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List of Publications by Year in descending order

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64
papers

1,248
citations

394421

19
h-index

377865

34
g-index

64
all docs

64
docs citations

64
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	Does the type of seizure influence heart rate variability changes?. <i>Epilepsy and Behavior</i> , 2022, 126, 108453.	1.7	4
2	Concerns about the contemporary labor curves and guidelines: Is it time to revisit the old ones?. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2022, 270, 169-175.	1.1	1
3	Measuring fetal heart rate and variability: Fetal cardiotocography versus electrocardiography. <i>Developmental Psychobiology</i> , 2022, 64, e22266.	1.6	0
4	Can fetal heart rate variability obtained from cardiotocography provide the same diagnostic value like from electrophysiological interbeat intervals?. <i>Physiological Measurement</i> , 2021, 42, 015006.	2.1	6
5	Spatial Patterns in Hospital-Acquired Infections in Portugal (2014–2017). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4703.	2.6	4
6	Heart rate variability in patients with refractory epilepsy: The influence of generalized convulsive seizures. <i>Epilepsy Research</i> , 2021, 178, 106796.	1.6	3
7	Indoor Environments and Geographical Information Systems: A Systematic Literature Review. <i>SAGE Open</i> , 2021, 11, 215824402110503.	1.7	5
8	Geospatial Analysis of Environmental Atmospheric Risk Factors in Neurodegenerative Diseases: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8414.	2.6	7
9	Serological Evidence of <i>Rickettsia</i> Exposure among Patients with Unknown Fever Origin in Angola, 2016-2017. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2020, 2020, 1-5.	1.4	1
10	cTnI, BNP and CRP profiling after seizures in patients with drug-resistant epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 80, 100-108.	2.0	3
11	Serological and molecular evidence of <i>Bartonella henselae</i> in cats from Luanda city, Angola. <i>Acta Tropica</i> , 2019, 195, 142-144.	2.0	7
12	A new global health outcome score after trauma (GHOST) for disability, cognitive impairment, and health-related quality of life: data from a prospective cross-sectional observational study. <i>Brain Injury</i> , 2019, 33, 922-931.	1.2	8
13	QPhenoMetrics: An open source software application to assess vegetation phenology metrics. <i>Computers and Electronics in Agriculture</i> , 2018, 148, 82-94.	7.7	57
14	Evolution of linear and nonlinear fetal heart rate indices throughout pregnancy in appropriate, small for gestational age and preterm fetuses: A cohort study. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 153, 191-199.	4.7	17
15	Monitoring fetal maturation—objectives, techniques and indices of autonomic function. <i>Physiological Measurement</i> , 2017, 38, R61-R88.	2.1	45
16	Gender-specific evolution of fetal heart rate variability throughout gestation: A study of 8823 cases. <i>Early Human Development</i> , 2017, 115, 38-45.	1.8	24
17	Simultaneous monitoring of maternal and fetal heart rate variability during labor in relation with fetal gender. <i>Developmental Psychobiology</i> , 2017, 59, 832-839.	1.6	8
18	Linear and non-linear analysis of uterine contraction signals obtained with tocodynamometry in prediction of operative vaginal delivery. <i>Journal of Perinatal Medicine</i> , 2017, 45, 327-332.	1.4	4

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19	Entropy and Compression Capture Different Complexity Features: The Case of Fetal Heart Rate. Entropy, 2017, 19, 688.	2.2	7
20	Forecasting Asthma Hospital Admissions from Remotely Sensed Environmental Data. , 2017, , .		2
21	Forecasting the local risk for asthma hospitalizations from georeferenced environmental data â€œ a pilot model. , 2017, , .		0
22	Electrocardiography versus photoplethysmography in assessment of maternal heart rate variability during labor. SpringerPlus, 2016, 5, 1079.	1.2	15
23	Linear and Nonlinear Analysis of Fetal Heart Rate Variability. , 2016, , 119-132.		4
24	Spatio-temporal analysis of preterm birth in Portugal and its relation with environmental variables. , 2016, , .		1
25	Toward the improvement in fetal monitoring during labor with the inclusion of maternal heart rate analysis. Medical and Biological Engineering and Computing, 2016, 54, 691-699.	2.8	14
26	Improvements in fetal heart rate analysis by the removal of maternal-fetal heart rate ambiguities. BMC Pregnancy and Childbirth, 2015, 15, 301.	2.4	14
27	Sex differences in the fetal heart rate variability indices of twins. Journal of Perinatal Medicine, 2015, 43, 221-225.	1.4	11
28	A study on the quality of the vegetation index obtained from MODIS data. , 2015, , .		1
29	Comparison of the effect of different sampling modes on computer analysis of cardiotocograms. Computers in Biology and Medicine, 2015, 64, 62-66.	7.0	11
30	Deriving phenological metrics from NDVI through an open source tool developed in QGIS. Proceedings of SPIE, 2014, , .	0.8	9
31	Fetal behavioral dynamics in cephalic versus breech presentations. Developmental Psychobiology, 2014, 56, 1595-1600.	1.6	5
32	The effect of gender, gestational age and behavioral states on fetal heart rate variability. , 2014, , .		2
33	Fetal QRS detection and heart rate estimation: a wavelet-based approach. Physiological Measurement, 2014, 35, 1723-1735.	2.1	35
34	External Uterine Contractions Signal Analysis in Relation to Labor Progression and Dystocia. IFMBE Proceedings, 2014, , 555-558.	0.3	2
35	Comparison of real beat-to-beat signals with commercially available 4ÂHz sampling on the evaluation of foetal heart rate variability. Medical and Biological Engineering and Computing, 2013, 51, 665-676.	2.8	42
36	Comparison of different methods of heart rate entropy analysis during acute anoxia superimposed on a chronic rat model of pulmonary hypertension. Medical Engineering and Physics, 2013, 35, 559-568.	1.7	5

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37	Gender-specific heart rate dynamics in severe intrauterine growth-restricted fetuses. <i>Early Human Development</i> , 2013, 89, 431-437.	1.8	23
38	Prenatal observation of heart rate sequences presenting entropic analogies with Sudden Infant Death Syndrome: Preliminary report. , 2013, , .		3
39	The use of decision trees in the classification of beach forms/patterns on IKONOS-2 data. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
40	Entropy and compression: two measures of complexity. <i>Journal of Evaluation in Clinical Practice</i> , 2013, 19, 1101-1106.	1.8	23
41	Coastal morphodynamic features/patterns analysis through a video-based system and image processing. , 2012, , .		3
42	A Semi-Automatic Approach for the Extraction of Sandy Bodies (Sand Spits) From IKONOS-2 Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 634-642.	4.9	20
43	Identification, Characterization and Analysis of the Douro River Plume From MERIS Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1553-1563.	4.9	8
44	CHAIR: automatic image registration based on correlation and Hough transform. <i>International Journal of Remote Sensing</i> , 2012, 33, 7936-7968.	2.9	24
45	Beach Hydromorphological Analysis Through Remote Sensing. <i>Journal of Coastal Research</i> , 2011, 61, 44-51.	0.3	2
46	Extraction of Estuarine/Coastal Environmental Bodies from Satellite Data through Image Segmentation Techniques. , 2011, , .		3
47	A first reference dataset for the evaluation of geometric correction methods under the scope of remote sensing applications. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
48	Automatic Image Registration Through Image Segmentation and SIFT. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 2589-2600.	6.3	178
49	HAIRIS: A Method for Automatic Image Registration Through Histogram-Based Image Segmentation. <i>IEEE Transactions on Image Processing</i> , 2011, 20, 776-789.	9.8	63
50	Identification of beach hydromorphological patterns/forms through image classification techniques applied to remotely sensed data. <i>International Journal of Remote Sensing</i> , 2011, 32, 7399-7422.	2.9	30
51	Analysis of heart rate variability in a rat model of induced pulmonary hypertension. <i>Medical Engineering and Physics</i> , 2010, 32, 746-752.	1.7	19
52	Bathymetric estimation through principal components analysis using IKONOS-2 data. , 2010, , .		0
53	Sex differences in linear and complex fetal heart rate dynamics of normal and acidemic fetuses in the minutes preceding delivery. <i>Journal of Perinatal Medicine</i> , 2009, 37, 168-76.	1.4	35
54	Modeling of the Douro River Plume Size, Obtained Through Image Segmentation of MERIS Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009, 6, 87-91.	3.1	17

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55	Measures for an Objective Evaluation of the Geometric Correction Process Quality. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 292-296.	3.1	91
56	Automatic image registration through the segmentation of images pre-processed by joint histogram analysis. , 2009, , .		0
57	Linear and complex heart rate dynamics vary with sex in relation to fetal behavioural states. Early Human Development, 2008, 84, 433-439.	1.8	55
58	Linear and nonlinear heart-rate analysis in a rat model of acute anoxia. Physiological Measurement, 2008, 29, 1133-1143.	2.1	18
59	Frequency Domain and Entropy Analysis of Fetal Heart Rate: Appealing Tools for Fetal Surveillance and Pharmacodynamic Assessment of Drugs. Cardiovascular & Hematological Disorders Drug Targets, 2008, 8, 91-98.	0.7	9
60	Estimation of the Douro River plume dimension based on image segmentation of MERIS scenes. Proceedings of SPIE, 2008, , .	0.8	2
61	Automatic image registration based on correlation and Hough transform. , 2008, , .		4
62	Linear and nonlinear analysis of heart rate patterns associated with fetal behavioral states in the antepartum period. Early Human Development, 2007, 83, 585-591.	1.8	79
63	Linear and nonlinear fetal heart rate analysis of normal and acidemic fetuses in the minutes preceding delivery. Medical and Biological Engineering and Computing, 2006, 44, 847-855.	2.8	93
64	Internal versus external intrapartum foetal heart rate monitoring: the effect on linear and nonlinear parameters. Physiological Measurement, 2006, 27, 307-319.	2.1	61