

Patricio S La Rosa

List of Publications by Year in descending order

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15
papers

1,482
citations

840776

11
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

3017
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-Mechanical Ionic Channel Modeling for Uterine Contractions and Oxytocin Effect during Pregnancy. <i>Sensors</i> , 2019, 19, 4898.	3.8	2
2	Designing machine learning workflows with an application to topological data analysis. <i>PLoS ONE</i> , 2019, 14, e0225577.	2.5	4
3	Estimating uterine source current during contractions using magnetomyography measurements. <i>PLoS ONE</i> , 2018, 13, e0202184.	2.5	18
4	Gibbs distribution for statistical analysis of graphical data with a sample application to fcMRI brain images. <i>Statistics in Medicine</i> , 2016, 35, 566-580.	1.6	20
5	Modeling Magnetomyograms of Uterine Contractions during Pregnancy Using a Multiscale Forward Electromagnetic Approach. <i>PLoS ONE</i> , 2016, 11, e0152421.	2.5	17
6	Hypothesis Testing of Metagenomic Data. , 2015, , 81-96.		8
7	Patterned progression of bacterial populations in the premature infant gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12522-12527.	7.1	449
8	Biogeography of the ecosystems of the healthy human body. <i>Genome Biology</i> , 2013, 14, R1.	9.6	540
9	Multiscale forward electromagnetic model of uterine contractions during pregnancy. <i>BMC Medical Physics</i> , 2012, 12, 4.	2.4	25
10	Statistical Object Data Analysis of Taxonomic Trees from Human Microbiome Data. <i>PLoS ONE</i> , 2012, 7, e48996.	2.5	15
11	Hypothesis Testing and Power Calculations for Taxonomic-Based Human Microbiome Data. <i>PLoS ONE</i> , 2012, 7, e52078.	2.5	289
12	Barankin-Type Lower Bound on Multiple Change-Point Estimation. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 5534-5549.	5.3	21
13	Detection of Uterine MMG Contractions Using a Multiple Change Point Estimator and the K-Means Cluster Algorithm. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 453-467.	4.2	29
14	Barankin Bound for Multiple Change-Point Estimation. , 2007, , .		0
15	A Competitive Mean-Squared Error Approach to Beamforming. <i>IEEE Transactions on Signal Processing</i> , 2007, 55, 5143-5154.	5.3	45