Patricio S La Rosa

List of Publications by Year
in descending order

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