

Zhilin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5443943/publications.pdf>

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13
papers

2,775
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

2280
citing authors

#	ARTICLE	IF	CITATIONS
1	A Robust Random Forest-Based Approach for Heart Rate Monitoring Using Photoplethysmography Signal Contaminated by Intense Motion Artifacts. <i>Sensors</i> , 2017, 17, 385.	3.8	32
2	Combining Nonlinear Adaptive Filtering and Signal Decomposition for Motion Artifact Removal in Wearable Photoplethysmography. <i>IEEE Sensors Journal</i> , 2016, 16, 7133-7141.	4.7	80
3	Photoplethysmography-Based Heart Rate Monitoring in Physical Activities via Joint Sparse Spectrum Reconstruction. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1902-1910.	4.2	303
4	Combining ensemble empirical mode decomposition with spectrum subtraction technique for heart rate monitoring using wrist-type photoplethysmography. <i>Biomedical Signal Processing and Control</i> , 2015, 21, 119-125.	5.7	77
5	Photoplethysmography-Based Heart Rate Monitoring Using Asymmetric Least Squares Spectrum Subtraction and Bayesian Decision Theory. <i>IEEE Sensors Journal</i> , 2015, 15, 7161-7168.	4.7	97
6	TROIKA: A General Framework for Heart Rate Monitoring Using Wrist-Type Photoplethysmographic Signals During Intensive Physical Exercise. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 522-531.	4.2	566
7	Extension of SBL Algorithms for the Recovery of Block Sparse Signals With Intra-Block Correlation. <i>IEEE Transactions on Signal Processing</i> , 2013, 61, 2009-2015.	5.3	415
8	Compressed Sensing for Energy-Efficient Wireless Telemonitoring of Noninvasive Fetal ECG Via Block Sparse Bayesian Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 300-309.	4.2	266
9	Compressed Sensing of EEG for Wireless Telemonitoring With Low Energy Consumption and Inexpensive Hardware. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 221-224.	4.2	215
10	Robust Face Recognition via Block Sparse Bayesian Learning. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	1.1	8
11	Iterative reweighted algorithms for sparse signal recovery with temporally correlated source vectors. , 2011, , .		19
12	Sparse Signal Recovery With Temporally Correlated Source Vectors Using Sparse Bayesian Learning. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011, 5, 912-926.	10.8	661
13	Sparse signal recovery in the presence of correlated multiple measurement vectors. , 2010, , .		36