Zhilin Zhang

List of Publications by Year
in descending order

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