

# 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

932766

10  
h-index

1281420

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.	2.1	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.	2.4	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.	2.5	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.	3.5	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.	2.4	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.	2.5	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.	3.2	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.	2.5	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.	2.5	215
10	Robust Face Recognition via Block Sparse Bayesian Learning. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-13.	0.6	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.	7.3	661
13	Sparse signal recovery in the presence of correlated multiple measurement vectors. , 2010, , .		36