Liang Xue

List of Publications by Year
in descending order

10 papers	**323** citations	1163117 **8** h-index	1372567 **10** g-index
10 all docs	**10** docs citations	**10** times ranked	**207** citing authors

#	Article	IF	Citations
1	An Integrated MEMS Gyroscope Array with Higher Accuracy Output. Sensors, 2008, 8, 2886-2899.	3.8	86
2	A novel Kalman filter for combining outputs of MEMS gyroscope array. Measurement: Journal of the International Measurement Confederation, 2012, 45, 745-754.	5.0	58
3	Combining Numerous Uncorrelated MEMS Gyroscopes for Accuracy Improvement Based on an Optimal Kalman Filter. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3084-3093.	4.7	54
4	Signal Processing of MEMS Gyroscope Arrays to Improve Accuracy Using a 1st Order Markov for Rate Signal Modeling. Sensors, 2012, 12, 1720-1737.	3.8	38
5	Noise Reduction of MEMS Gyroscope Based on Direct Modeling for an Angular Rate Signal. Micromachines, 2015, 6, 266-280.	2.9	21
6	Analysis of Dynamic Performance of a Kalman Filter for Combining Multiple MEMS Gyroscopes. Micromachines, 2014, 5, 1034-1050.	2.9	20
7	Dynamic Performance Comparison of Two Kalman Filters for Rate Signal Direct Modeling and Differencing Modeling for Combining a MEMS Gyroscope Array to Improve Accuracy. Sensors, 2015, 15, 27590-27610.	3.8	19
8	Analysis of Correlation in MEMS Gyroscope Array and its Influence on Accuracy Improvement for the Combined Angular Rate Signal. Micromachines, 2018, 9, 22.	2.9	15
9	A redundant fused MIMU attitude system algorithm based on two-stage data fusion of MEMS gyro clusters array. Measurement: Journal of the International Measurement Confederation, 2021, 184, 109993.	5.0	7
10	An Alignment Method for Strapdown Inertial Navigation Systems Assisted by Doppler Radar on a Vehicle-Borne Moving Base. Sensors, 2019, 19, 4577.	3.8	5