

# Liang Xue

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2415636/publications.pdf>

Version: 2024-02-01

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papers

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citations

1163117

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docs citations

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207  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Noise Reduction of MEMS Gyroscope Based on Direct Modeling for an Angular Rate Signal. Micromachines, 2015, 6, 266-280.	2.9	21
5	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
6	Analysis of Dynamic Performance of a Kalman Filter for Combining Multiple MEMS Gyroscopes. Micromachines, 2014, 5, 1034-1050.	2.9	20
7	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
8	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
9	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
10	An Integrated MEMS Gyroscope Array with Higher Accuracy Output. Sensors, 2008, 8, 2886-2899.	3.8	86