

# Shunqiao Sun

## List of Publications by Year in descending order

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19  
papers

626  
citations

1477746

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1872312

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19  
docs citations

19  
times ranked

381  
citing authors

#	ARTICLE	IF	CITATIONS
1	MIMO Radar for Advanced Driver-Assistance Systems and Autonomous Driving: Advantages and Challenges. IEEE Signal Processing Magazine, 2020, 37, 98-117.	4.6	277
2	4D Automotive Radar Sensing for Autonomous Vehicles: A Sparsity-Oriented Approach. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 879-891.	7.3	67
3	Power allocation and waveform design for the compressive sensing based MIMO radar. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 898-909.	2.6	64
4	MIMO-MC radar: A MIMO radar approach based on matrix completion. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1839-1852.	2.6	56
5	Target estimation in colocated MIMO radar via matrix completion. , 2013, , .		36
6	Waveform Design for MIMO Radars With Matrix Completion. IEEE Journal on Selected Topics in Signal Processing, 2015, 9, 1400-1414.	7.3	26
7	Enhanced DOA Estimation Exploiting Multi-Frequency Sparse Array. IEEE Transactions on Signal Processing, 2021, 69, 5935-5946.	3.2	22
8	A Sparse Linear Array Approach in Automotive Radars Using Matrix Completion. , 2020, , .		15
9	Target Estimation by Exploiting Low Rank Structure in Widely Separated MIMO Radar. , 2019, , .		14
10	A Joint Design of MIMO-OFDM Dual-Function Radar Communication System Using Generalized Spatial Modulation. , 2020, , .		13
11	DOA Estimation Exploiting Interpolated Multi-Frequency Sparse Array. , 2020, , .		10
12	Four-Dimensional High-Resolution Automotive Radar Imaging Exploiting Joint Sparse-Frequency and Sparse-Array Design. , 2021, , .		10
13	Sparse sensing in colocated MIMO radar: A matrix completion approach. , 2013, , .		7
14	On the applicability of matrix completion on MIMO radars. , 2014, , .		3
15	Multi-Frequency Sparse Array-Based Massive MIMO Radar for Autonomous Driving. , 2020, , .		3
16	Difference Co-Chirps-Based Non-Uniform PRF Automotive FMCW Radar. , 2021, , .		2
17	Sparse Step-Frequency MIMO Radar Design for Autonomous Driving. , 2021, , .		1
18	Robust beamforming via matrix completion. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	On waveform conditions in MIMO radars using matrix completion. , 2015, , .		0