

Sajid Ahmed

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7396016/publications.pdf>

Version: 2024-02-01

44
papers

892
citations

516215

16
h-index

713013

21
g-index

48
all docs

48
docs citations

48
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Joint Communication-Radar Systems. <i>Frontiers in Communications and Networks</i> , 2021, 1, .	1.9	15
2	ECG-based machine-learning algorithms for heartbeat classification. <i>Scientific Reports</i> , 2021, 11, 18738.	1.6	51
3	Reduced complexity DOA and DOD estimation for a single moving target in bistatic MIMO radar. <i>Signal Processing</i> , 2020, 166, 107276.	2.1	5
4	Discrete Fourier Transform Based Closed-Form Algorithm to Design Desired Beampattern for Frequency Diverse Array Radar. , 2020, , .		0
5	Modeling of Viral Aerosol Transmission and Detection. <i>IEEE Transactions on Communications</i> , 2020, 68, 4859-4873.	4.9	33
6	iPromoter-BnCNN: a novel branched CNN-based predictor for identifying and classifying sigma promoters. <i>Bioinformatics</i> , 2020, 36, 4869-4875.	1.8	37
7	Fractional Fourier Transform Based QRS Complex Detection in ECG Signal. , 2020, , .		4
8	Frequency Diverse Array Radar: New Results and Discrete Fourier Transform Based Beampattern. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 2670-2681.	3.2	17
9	Frequency Diverse Array Radar: A Closed-Form Solution to Design Weights for Desired Beampattern. , 2020, , .		5
10	Exploiting Cross-Correlation Between ECG signals to Detect Myocardial Infarction. , 2020, , .		2
11	Compact mmWave FMCW radar: Implementation and performance analysis. <i>IEEE Aerospace and Electronic Systems Magazine</i> , 2019, 34, 36-44.	2.3	22
12	Communication through Breath: Aerosol Transmission. <i>IEEE Communications Magazine</i> , 2019, 57, 33-39.	4.9	39
13	GENERATION OF CORRELATED PSK WAVEFORMS USING COMPLEX GAUSSIAN RANDOM VARIABLES. , 2018, , .		0
14	OPTIMAL EIGENVALUE DECOMPOSITION BASED FREQUENCY ESTIMATION ALGORITHM FOR COMPLEX SINUSOIDAL SIGNALS. , 2018, , .		0
15	System Modeling of Virus Transmission and Detection in Molecular Communication Channels. , 2018, , .		9
16	Target parameter estimation for spatial and temporal formulations in MIMO radars using compressive sensing. <i>Eurasip Journal on Advances in Signal Processing</i> , 2017, 2017, .	1.0	3
17	DFT-Based Closed-Form Covariance Matrix and Direct Waveforms Design for MIMO Radar to Achieve Desired Beampatterns. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 2104-2113.	3.2	30
18	Low Complexity Moving Target Parameter Estimation for MIMO Radar Using 2D-FFT. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 4745-4755.	3.2	25

#	ARTICLE	IF	CITATIONS
19	Generalised two target localisation using passive monopulse radar. IET Radar, Sonar and Navigation, 2017, 11, 932-936.	0.9	7
20	Closed-form solution to directly design frequency modulated waveforms for beampatterns. , 2017, , .		1
21	Low complexity algorithms to independently and jointly estimate the location and range of targets using FMCW. , 2016, , .		2
22	Reduced complexity FFT-based DOA and DOD estimation for moving target in bistatic MIMO radar. , 2016, , .		1
23	Detection and localization of multiple short range targets using FMCW radar signal. , 2016, , .		12
24	A survey of correlated waveform design for multifunction software radar. IEEE Aerospace and Electronic Systems Magazine, 2016, 31, 19-31.	2.3	19
25	Two target localization using passive monopulse radar. , 2015, , .		5
26	Closed-form solution to directly design face waveforms for beampatterns using planar array. , 2015, , .		6
27	Low Complexity Parameter Estimation For Off-the-Grid Targets. , 2015, , .		1
28	Minimizing the Symbol-Error-Rate for Amplify-and-Forward Relaying Systems Using Evolutionary Algorithms. IEEE Transactions on Communications, 2015, 63, 390-400.	4.9	17
29	Closed form fourier-based transmit beamforming for MIMO radar. , 2014, , .		2
30	Reduction of snapshots for MIMO radar detection by block/group orthogonal matching pursuit. , 2014, , .		2
31	Low complexity joint estimation of reflection coefficient, spatial location, and Doppler shift for MIMO-radar by exploiting 2D-FFT. , 2014, , .		5
32	MIMO Radar Transmit Beampattern Design Without Synthesising the Covariance Matrix. IEEE Transactions on Signal Processing, 2014, 62, 2278-2289.	3.2	82
33	Fourier-Based Transmit Beampattern Design Using MIMO Radar. IEEE Transactions on Signal Processing, 2014, 62, 2226-2235.	3.2	91
34	Generation of Correlated Finite Alphabet Waveforms Using Gaussian Random Variables. IEEE Transactions on Signal Processing, 2014, 62, 4587-4596.	3.2	27
35	MIMO-Radar Waveform Covariance Matrix for High SINR and Low Side-Lobe Levels. IEEE Transactions on Signal Processing, 2014, 62, 2056-2065.	3.2	73
36	A waveform covariancematrix for high SINR and lowside-lobe levels. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	MIMO-radar waveform design for beampattern using particle-swarm-optimisation. , 2012, , .		1
38	Low complexity receiver design for MIMO-radar. , 2012, , .		0
39	Generating correlated QPSK waveforms by exploiting real gaussian random variables. , 2012, , .		8
40	Unconstrained Synthesis of Covariance Matrix for MIMO Radar Transmit Beampattern. IEEE Transactions on Signal Processing, 2011, 59, 3837-3849.	3.2	125
41	Finite Alphabet Constant-Envelope Waveform Design for MIMO Radar. IEEE Transactions on Signal Processing, 2011, 59, 5326-5337.	3.2	98
42	Fast computations of constant envelope waveforms for MIMO radar transmit beampattern. , 2010, , .		1
43	Reduced-Complexity Iterative Equalization for Severe Time-Dispersive MIMO Channels. IEEE Transactions on Vehicular Technology, 2008, 57, 594-600.	3.9	8
44	Performance of Iterative MAP Receiver for MIMO-OFDM Channels with Anti-Gray Mapping. IEEE Vehicular Technology Conference, 2008, , .	0.2	0