Ram M Narayanan

List of Publications by Year
in descending order

291	2,897	257450	243625
papers	citations	24 h-index	44 g-index

292	292	292	1882
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Derivation ofK-Factor Detection Statistics to Discriminate Between LOS and NLOS Scenarios. IEEE Transactions on Wireless Communications, 2022, 21, 2668-2679.	9.2	2
2	Roadmap on signal processing for next generation measurement systems. Measurement Science and Technology, 2022, 33, 012002.	2.6	12
3	Application of multidomain sensor image fusion and training data augmentation for enhanced CNN image classification. Journal of Electronic Imaging, 2022, 31, .	0.9	3
4	A Proposed Paradigm for Evaluating Spectrum Sharing Between a Cognitive Radar and 4G/5G Communications. , 2022, , .		0
5	A Computational Electromagnetics and Sparsity-Based Feature Extraction Approach to Ground-Penetrating Radar Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	2
6	Radar Target Classification Receiver Using Sparse Regression and Target Tailored Matched Filters. IEEE Transactions on Aerospace and Electronic Systems, 2022, , 1-12.	4.7	0
7	Evaluation of Real-Time Predictive Spectrum Sharing for Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 690-705.	4.7	16
8	Language-Based Cost Functions: Another Step Toward a Truly Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3827-3843.	4.7	2
9	The accuracy and predictability of micro Doppler radar signature projection algorithm measuring functional movement in NCAA athletes. Gait and Posture, 2021, 85, 96-102.	1.4	4
10	Practical Implementation of Adaptive Threshold Energy Detection using Software Defined Radio. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1227-1241.	4.7	6
11	LTE Interference Effects on Radar Performance. , 2021, , .		1
12	A Formal Study of the Doppler Tolerance of Costas and Sudoku Waveforms. , 2021, , .		1
13	Vehicle Length Estimation Using an LTE Transmitter Combined With a Software-Defined Receiver. , 2021, 5, 1-4.		1
14	Target Classification in Synthetic Aperture Radar Images Using Quantized Wavelet Scattering Networks. Sensors, 2021, 21, 4981.	3.8	3
15	Waveform Optimization for Multistatic Radar Imaging Using Mutual Information. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2410-2425.	4.7	8
16	Closing the Loop on Cognitive Radar for Spectrum Sharing. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 44-55.	1.3	27
17	Analysis of a Dynamic Calibration Target for Through-Wall and Through-Rubble Motion Sensing Doppler Radar. Instruments, 2021, 5, 37.	1.8	0
18	Language-Based Cost Functions for Fully Adaptive Radar Under Imprecise Performance Standards. , 2020, , .		1

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19	Impact damage characterization for varying areal-weight unidirectional carbon fiber-reinforced polymer circuit-analog absorbers. Composites Part B: Engineering, 2020, 202, 108427.	12.0	0
20	An Information Elasticity Framework for the Adaptive Matched Filter. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4916-4929.	4.7	1
21	Equivalence of Classical and Quantum Electromagnetic Scattering in the Far-Field Regime. IEEE Aerospace and Electronic Systems Magazine, 2020, 35, 58-73.	1.3	13
22	Performance Analysis of Pulse-Agile SDRadar with Hardware Accelerated Processing. , 2020, , .		12
23	Metacognition for Radar Coexistence. , 2020, , .		31
24	Experimental Assessment of Joint Range-Doppler Processing to Address Clutter Modulation from Dynamic Radar Spectrum Sharing. , 2020, , .		12
25	Spectral Prediction and Notching of RF Emitters for Cognitive Radar Coexistence. , 2020, , .		9
26	Practical Aspects of Cognitive Radar. , 2020, , .		6
27	A Stochastic Model for Prediction and Avoidance of RF Interference to Cognitive Radars. , 2019, , .		8
28	Lower Bounds for Wideband Direction-Finding with Mutual Coupling. , 2019, , .		3
29	Cognitive Software-Defined Radar: Evaluation of Target Detection with RFI Avoidance. , 2019, , .		7
30	Microwave imaging of multilayered structures using ultrawideband noise signals. NDT and E International, 2019, 104, 19-33.	3.7	16
31	Multistatic Doppler Estimation Using Global Positioning System Passive Coherent Location. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2978-2991.	4.7	12
32	A DUAL-MESH MICROWAVE RECONSTRUCTION METHOD BASED ON COMPRESSIVE SAMPLING MATCHING PURSUIT ALGORITHM. Progress in Electromagnetics Research, 2019, 166, 43-57.	4.4	1
33	SDR Based Indoor Beacon Localization Using 3D Probabilistic Multipath Exploitation and Deep Learning. Electronics (Switzerland), 2019, 8, 1323.	3.1	4
34	Avoidance of Time-Varying Radio Frequency Interference With Software-Defined Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1090-1107.	4.7	59
35	Microwave Imaging of Nonsparse Object Using Dual-Mesh Method and Iterative Method With Adaptive Thresholding. IEEE Transactions on Antennas and Propagation, 2019, 67, 504-512.	5.1	3
36	Characterization of the electromagnetic parameter uncertainty in single-ply unidirectional carbon-fiber-reinforced-polymer laminas. Composites Part B: Engineering, 2019, 162, 361-368.	12.0	6

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37	Mitigation of target distortion in pulseâ€agile sensors via Richardsonâ€“Lucy deconvolution. Electronics Letters, 2019, 55, 1249-1252.	1.0	25
38	Quantized wavelet scattering networks for signal classification. , 2019, , .		2
39	Non-cooperative emitter classification and localization with vector sensing and machine learning in indoor environments. , 2019, , .		1
40	Abnormal gait detection and classification using micro-Doppler radar signatures. , 2019, , .		6
41	FM radio passive multistatic radar using data fusion. , 2019, , .		1
42	Investigation of Surface Treatment Methods for 3D Printed Optical Components. , 2019, , .		0
43	Comparing stochastic and Markov decision process approaches for predicting radio frequency interference. , 2019, , .		6
44	A compound Gaussian-based waveform design approach for enhanced target detection in multistatic radar imaging. , 2019, , .		2
45	Electromagnetic response changes of unidirectional carbon fiber-reinforced polymer circuit-analog absorbers due to post-processing impact damage. , 2019, , .		1
46	Surface methodology for 3D printed multispectral systems. , 2019, , .		0
47	Analyzing receiver bandwidth for near-range ultra-wideband pulse compression imaging radar systems. , 2019, , .		0
48	Design of spectrally adaptive noise radar waveforms. , 2019, , .		0
49	Cost function design for modeling information overload in radar systems. , 2019, , .		1
50	Modified transmitted reference technique for multi-resolution radar timing and synchronization. , 2019, , .		0
51	Total reliability of radar systems: incorporating component degradation effects in operational reliability. , 2019, , .		0
52	Investigation of airborne synthetic aperture radar parameters for buried target detection. , 2019, , .		0
53	Application of microwave noiselets for nondestructive testing of unidirectional carbon fiber reinforced polymers. , 2019, , .		1
54	Simulation of the dynamic radar cross section variations of a human emulator calibration target for through-wall and through-rubble radar. , 2019, , .		1

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55	Additive manufacturing for microwave and millimeter-wave antennas: a summary of current technology and experimentation. , 2019, , .		0
56	Robust decision making method for adaptive ordered-statistics CFAR technique using information elasticity. , 2019, , .		1
57	Channel-hopping blind rendezvous for cognitive radio networks using channel occupancy prediction. , 2019, , .		0
58	Comparison of noise and chirp waveforms for radar target detection in clutter. IET Radar, Sonar and Navigation, 2019, 13, 1333-1343.	1.8	1
59	Application of Unidirectional Carbon-Fiber-Reinforced-Polymer Laminas in Circuit-Analog Absorbers. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1743-1751.	2.2	15
60	<italic>X</italic>-Band Circuit-Analog Absorbers Using Unidirectional Carbon Fiber. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1060-1063.	4.0	7
61	Considerations and Framework for Foveated Imaging Systems â€. Photonics, 2018, 5, 18.	2.0	4
62	MULTILAYER STRUCTURAL DIAGNOSIS WITH QUASI-3D MICROWAVE IMAGING USING ULTRAWIDEBAND RADIO FREQUENCY NOISELET WAVEFORMS. Progress in Electromagnetics Research B, 2018, 82, 73-92.	1.0	3
63	Passive Vector Sensing for Non-Cooperative Emitter Localization in Indoor Environments. Electronics (Switzerland), 2018, 7, 442.	3.1	8
64	Analysis of Damage in Unidirectional CFRP Circuit Analog Absorbers. , 2018, , .		2
65	Applying Periodic Retraining to Survival Analysis-Based Dynamic Spectrum Access Algorithms. , 2018, , .		4
66	Multifunctional Radar and Communications Waveform Using Chaos. , 2018, , .		2
67	WIDEBAND RADIO FREQUENCY NOISELET WAVEFORMS FOR MULTIRESOLUTION NONDESTRUCTIVE TESTING OF MULTILAYERED STRUCTURES. Progress in Electromagnetics Research B, 2018, 81, 1-23.	1.0	2
68	Operational Reliability of Radar Systems. , 2018, , .		2
69	Hardware Design of a High Dynamic Range Radio Frequency (RF) Harmonic Measurement System. Instruments, 2018, 2, 16.	1.8	10
70	Information elasticity in radar systems. Electronics Letters, 2018, 54, 1049-1051.	1.0	12
71	The Spectrum Analysis Solution (SAS) System: Theoretical Analysis, Hardware Design and Implementation. Sensors, 2018, 18, 652.	3.8	2
72	Cognitive software defined radar: A reactive approach to RFI avoidance. , 2018, , .		14

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73	Radar tools for spectrum assessment and prediction. , 2018, , .		4
74	Experimental demonstration of cognitive spectrum sensing & notching for radar. , 2018, , .		12
75	Application and performance of convolutional neural networks to SAR. , 2018, , .		1
76	Microwave Nondestructive Testing of Galvanic Corrosion and Impact Damage in Carbon Fiber Reinforced Polymer Composites. International Journal of Microwaves Applications, 2018, 7, 1-15.	0.3	10
77	Information elasticity in ultra-wideband target detection amongst distributed clutter. , 2018, , .		1
78	A thorough analysis of various geometries for a dynamic calibration target for through-wall and through-rubble radar. , 2018, , .		2
79	Considerations in the development of a foveated imaging system for unmanned aerial vehicles (UAVs). , 2018, , .		1
80	Microwave imaging using ultrawideband noise waveforms for nondestructive testing of multilayer structures. , 2018, , .		1
81	Optimized radar design parameters for synthetic aperture radar with limited swath. , 2018, , .		0
82	Predictive energy detection for inferring radio frequency activity. , 2018, , .		2
83	Examination of radar imagery from recent data collections using the spectrally agile frequency-incrementing reconfigurable (SAFIRE) radar system. , 2018, , .		0
84	Energy allocation for tailored waveform design using the Taguchi method for clutter suppression and enhanced detection of targets. , 2018, , .		0
85	Software-defined radar: recent experiments and results. , 2018, , .		1
86	Information elasticity in pseudorandom code pulse compression. , 2018, , .		1
87	Software-defined radios for the implementation of randomized arrays. , 2018, , .		0
88	Ultra-wideband direction-of-arrival considerations for antenna arrays in the presence of mutual coupling. , 2018, , .		0
89	Nonlinear Radar for Finding RF Electronics: System Design and Recent Advancements. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1716-1726.	4.6	57
90	The Effect of Polarization on the Quantum Radar Cross Section Response. IEEE Journal of Quantum Electronics, 2017, 53, 1-9.	1.9	20

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91	Passive coherent location direct signal suppression using hardware mixing techniques. , 2017, , .		0
92	Multistatic passive coherent location resource optimization. Proceedings of SPIE, 2017, , .	0.8	0
93	Comparison of RF spectrum prediction methods for dynamic spectrum access. Proceedings of SPIE, 2017, , .	0.8	6
94	System upgrades and performance evaluation of the spectrally agile, frequency incrementing reconfigurable (SAFIRE) radar system. , 2017, , .		4
95	Initial processing and analysis of forward- and side-looking data from the Spectrally Agile Frequency-Incrementing Reconfigurable (SAFIRE) radar. Proceedings of SPIE, 2017, , .	0.8	1
96	Electric and magnetic target polarization in quantum radar. Proceedings of SPIE, 2017, , .	0.8	6
97	Radar research at The Pennsylvania State University Radar and Communications Laboratory. , 2017, , .		0
98	Theoretical considerations for a dynamic calibration target for through-wall and through-rubble motion-sensing Doppler radar. Proceedings of SPIE, 2017, , .	0.8	3
99	Radar detection of buried targets in coastal environments. , 2017, , .		0
100	Cognitive software defined radar: waveform design for clutter and interference suppression. Proceedings of SPIE, 2017, , .	0.8	9
101	Prognostic investigation of galvanic corrosion precursors in aircraft structures and their detection strategy. , 2017, , .		1
102	Foveal scale space generation with the log-polar transform. Proceedings of SPIE, 2017, , .	0.8	1
103	Multistatic radar Doppler estimation for passive coherent location. , 2017, , .		5
104	Passive coherent location matched filter alternative. , 2017, , .		1
105	Two-port representation of propagation and scattering in radar. , 2017, , .		1
106	Analysis of Sudoku coded waveforms and application to planar phased arrays. , 2017, , .		1
107	Design of Ultrawideband Stepped-Frequency Radar for Imaging of Obscured Targets. IEEE Sensors Journal, 2017, 17, 4435-4446.	4.7	26
108	Recent non-linear radar research at the Army Research Laboratory. , 2017, , .		2

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109	Theoretical and computational analysis of the quantum radar cross section for simple geometrical targets. Quantum Information Processing, 2017, 16, 1.	2.2	38
110	Global positioning system processing methods for GPS passive coherent location. IET Radar, Sonar and Navigation, 2017, 11, 1406-1416.	1.8	10
111	High-resolution nondestructive testing of multilayer dielectric materials using wideband microwave synthetic aperture radar imaging. Proceedings of SPIE, 2017, , .	0.8	4
112	Analysis of sparse co-prime sensing array performance using wideband noise signals. , 2017, , .		1
113	Static and Moving Target Imaging Using Harmonic Radar. Electronics (Switzerland), 2017, 6, 30.	3.1	21
114	Sudoku Inspired Designs for Radar Waveforms and Antenna Arrays. Electronics (Switzerland), 2017, 6, 13.	3.1	4
115	Through-Wall Single and Multiple Target Imaging Using MIMO Radar. Electronics (Switzerland), 2017, 6, 70.	3.1	16
116	SPARSELY SAMPLED WIDEBAND RADAR HOLOGRAPHIC IMAGING FOR DETECTION OF CONCEALED OBJECTS. Progress in Electromagnetics Research B, 2017, 72, 67-93.	1.0	6
117	CROSS SECTION EQUIVALENCE BETWEEN PHOTONS AND NON-RELATIVISTIC MASSIVE PARTICLES FOR TARGETS WITH COMPLEX GEOMETRIES. Progress in Electromagnetics Research M, 2017, 54, 37-46.	0.9	20
118	Compressive Sensing Meets Noise Radar. , 2017, , 429-459.		4
119	Ultrawideband Noise Radar Tomography: Principles, Simulation, and Experimental Validation. International Journal of Microwave Science and Technology, 2016, 2016, 1-21.	0.6	8
120	Radar classification of indoor targets using support vector machines. IET Radar, Sonar and Navigation, 2016, 10, 1468-1476.	1.8	36
121	Maximizing harmonic-radar target response: Duty cycle vs. peak power. , 2016, , .		5
122	An overview of spectrum sensing for harmonic radar. , 2016, , .		6
123	Investigation of correlation characteristics for random array collaborative beamforming using noise signals. , 2016, , .		0
124	A dynamic spectrum analysis solution for the characterization of the UHF spectrum. , 2016, , .		0
125	Frequency notching effects on GPR imagery while operating in crowded spectrum scenarios. Proceedings of SPIE, 2016, , .	0.8	0
126	Microwave reconstruction method using a circular antenna array cooperating with an internal transmitter. Proceedings of SPIE, 2016, , .	0.8	1

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127	Phase responses of harmonics reflected from radio-frequency electronics. Proceedings of SPIE, 2016, , .	0.8	2
128	Multistatic passive coherent location using multilateration techniques. Proceedings of SPIE, 2016, , .	0.8	1
129	Instantaneous stepped-frequency, non-linear radar part 2: experimental confirmation. , 2016, , .		3
130	Feature analysis for indoor radar target classification. Proceedings of SPIE, 2016, , .	0.8	0
131	Investigation of target and ground clutter reflections on the correlation between transmitted and received noise signals. , 2016, , .		2
132	MIMO radar for through-wall target identification in single and two wall scenarios. , 2016, , .		0
133	Circuit models for Salisbury screens made from unidirectional carbon fiber composite sandwich structures. , 2016, , .		3
134	Multistatic micro-doppler radar for determining target orientation and activity classification. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 512-521.	4.7	40
135	Sources and Reduction of Noise in Circuits and Systems. IETE Journal of Education Online, 2016, 57, 73-89.	0.6	2
136	Analytical formulation of the quantum electromagnetic cross section. Proceedings of SPIE, 2016, , .	0.8	4
137	Multistatic radar exploitation of forward scattering nulls. , 2016, , .		5
138	Radar ambiguity functions and resolution characteristics of Sudoku-based waveforms. , 2016, , .		7
139	Analysis and implementation of the foveated vision of the raptor eye. Proceedings of SPIE, 2016, , .	0.8	1
140	Waveform design for cognitive radar: target detection in heavy clutter. , 2016, , .		1
141	Radar micro-Doppler based human activity classification for indoor and outdoor environments. Proceedings of SPIE, 2016, , .	0.8	12
142	Derivation and validation of the nonlinear radar range equation. Proceedings of SPIE, 2016, , .	0.8	11
143	Source Geolocation in Urban Environments Using Multipath Fingerprinting. International Journal of Antennas and Propagation, 2015, 2015, 1-11.	1.2	2
144	Adaptable Bandwidth for Harmonic Step-Frequency Radar. International Journal of Antennas and Propagation, 2015, 2015, 1-15.	1.2	10

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145	On the Opportunities and Challenges in Microwave Medical Sensing and Imaging. IEEE Transactions on Biomedical Engineering, 2015, 62, 1667-1682.	4.2	275
146	Design and implementation of a noise radar tomographic system. , 2015, , .		0
147	Range detection using entangled optical photons. Proceedings of SPIE, 2015, , .	0.8	0
148	Current Research in Microâ€Doppler: Editorial for the Special Issue on Microâ€Doppler. IET Radar, Sonar and Navigation, 2015, 9, 1137-1139.	1.8	4
149	Compressive sensing based image reconstruction for synthetic aperture radar using discrete cosine transform and noiselets. , 2015, , .		2
150	Simulations of tomographic imaging of various target scenarios using noise waveforms. , 2015, , .		0
151	Moving target indication with non-linear radar. , 2015, , .		11
152	Characterization of radar cross section of carbon fiber composite materials. Proceedings of SPIE, 2015, , .	0.8	0
153	SVM based target classification using RCS feature vectors. Proceedings of SPIE, 2015, , .	0.8	0
154	Wideband imaging of concealed objects using compressive radar holography. , 2015, , .		0
155	Filter selection for a harmonic radar. Proceedings of SPIE, 2015, , .	0.8	2
156	Nonlinear synthetic aperture radar imaging using a harmonic radar. Proceedings of SPIE, 2015, , .	0.8	6
157	Short-range harmonic radar: chirp waveform, electronic targets. Proceedings of SPIE, 2015, , .	0.8	5
158	Instantaneous, stepped-frequency, nonlinear radar. , 2015, , .		4
159	Sparsity-based signal processing for noise radar imaging. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 314-325.	4.7	17
160	Radar signatures of furniture elements. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 521-535.	4.7	7
161	Application of Radar to Remote Patient Monitoring and Eldercare. IET Radar, Sonar and Navigation, 2015, 9, 115-115.	1.8	19
162	Performance analysis of spectrally versatile forward-looking ground-penetrating radar for detection of concealed targets. , 2015, , .		1

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163	Principle and experimental results of ultra-wideband noise radar imaging of a cylindrical conducting object using diffraction tomography. , 2015, , .		1
164	Bistatic and multistatic target identification for through-wall radar imaging. Proceedings of SPIE, 2015, , .	0.8	1
165	Diagnosis of edema and inflammation in human intestines using ultrawideband radar. Proceedings of SPIE, 2015, , .	0.8	0
166	Features associated with radar micro-Doppler signatures of various human activities. Proceedings of SPIE, 2015, , .	0.8	3
167	Radar microâ€Doppler signatures of various human activities. IET Radar, Sonar and Navigation, 2015, 9, 1205-1215.	1.8	69
168	Performance analysis of forward-looking GPR ultra-wideband antennas for buried object detection. First Break, 2015, 33, .	0.4	4
169	Trilateration-Based Localization Algorithm Using the Lemoine Point Formulation. IETE Journal of Research, 2014, 60, 60-73.	2.6	19
170	Ultrawideband Noise Radar Imaging of Impenetrable Cylindrical Objects Using Diffraction Tomography. International Journal of Microwave Science and Technology, 2014, 2014, 1-22.	0.6	5
171	Automated cancellation of harmonics using feed-forward filter reflection for radar transmitter linearization. Proceedings of SPIE, 2014, , .	0.8	1
172	Stepped-frequency nonlinear radar simulation. , 2014, , .		4
173	Spectrum sensing techniques for nonlinear radar. Proceedings of SPIE, 2014, , .	0.8	0
174	Design and performance of an ultra-wideband stepped-frequency radar with precise frequency control for landmine and IED detection. Proceedings of SPIE, 2014, , .	0.8	3
175	Determining human target facing orientation using bistatic radar micro-Doppler signals. Proceedings of SPIE, 2014, , .	0.8	0
176	Ultra-wideband noise radar imaging of cylindrical PEC objects using diffraction tomography. Proceedings of SPIE, 2014, , .	0.8	2
177	Indoor experimental facility for airborne synthetic aperture radar (SAR) configurations â€“ rail-SAR. , 2014, , .		2
178	Characterization of carbon fiber composite materials for RF applications. Proceedings of SPIE, 2014, , .	0.8	2
179	Compressive noise radar for urban sensing. , 2014, , .		1
180	Design considerations for quantum radar implementation. Proceedings of SPIE, 2014, , .	0.8	3

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181	Radar signatures of indoor clutter for through-the-wall radar applications. , 2014, , .		2
182	A Multifrequency Radar System for Detecting Humans and Characterizing Human Activities for Short-Range Through-Wall and Long-Range Foliage Penetration Applications. International Journal of Microwave Science and Technology, 2014, 2014, 1-21.	0.6	16
183	Linearization of a harmonic radar transmitter by feed-forward filter reflection. , 2014, , .		11
184	A thresholding scheme for target detection for noise radar systems based on random matrix theory. , 2014, , .		0
185	Diffraction tomography for ultra-wideband noise radar and imaging quality measure of a cylindrical perfectly conducting object. , 2014, , .		3
186	Development and Performance of an Ultrawideband Stepped-Frequency Radar for Landmine and Improvised Explosive Device (IED) Detection. Sensing and Imaging, 2014, 15, 1.	1.5	4
187	Classification of human motions using empirical mode decomposition of human microâ€Doppler signatures. IET Radar, Sonar and Navigation, 2014, 8, 425-434.	1.8	139
188	Analysis of the tolerance of compressive noise radar systems to multiplicative perturbations. Proceedings of SPIE, 2014, , .	0.8	1
189	Medical radar considerations for detecting and monitoring Crohn's disease. , 2014, , .		1
190	Compressive wideband microwave radar holography. , 2014, , .		2
191	Cross-layered resource allocation in UWB noise-OFDM-based ad hoc surveillance networks. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	0
192	Human detection and ranging at long range and through light foliage using a W-band noise radar with an embedded tone. Proceedings of SPIE, 2013, , .	0.8	3
193	Design of spectrally versatile forward-looking ground-penetrating radar for detection of concealed targets. , 2013, , .		8
194	Spectral characteristics of human and indoor clutter for through the wall sensing. , 2013, , .		1
195	Tomographic imaging with ultra-wideband noise radar using time-domain data. , 2013, , .		2
196	Ranging and target detection performance through lossy media using an ultrawideband S-band through-wall sensing noise radar. Proceedings of SPIE, 2013, , .	0.8	0
197	Characterizing detection thresholds using extreme value theory in compressive noise radar imaging. , 2013, , .		2
198	Bandwidth sharing and scan scheduling in multimodal radar with communications and tracking. IETE Journal of Research, 2013, 59, 551.	2.6	11

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199	Putting Your Best Foot Forward: Applying for a Faculty Position. IEEE Potentials, 2013, 32, 22-25.	0.3	0
200	Multi-Target Detection using Total Correlation for Noise Radar Systems. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1251-1262.	4.7	6
201	Micro-doppler radar classification of human motions under various training scenarios. Proceedings of SPIE, 2013, , .	0.8	11
202	Delayed and summed adaptive noise waveforms for target matched radar detection. , 2013, , .		5
203	Tracking of Noncooperative Airborne Targets Using ADS-B Signal and Radar Sensing. International Journal of Aerospace Engineering, 2013, 2013, 1-12.	0.9	8
204	Waveform design for compressively sampled ultrawideband radar. Journal of Electronic Imaging, 2013, 22, 021011.	0.9	5
205	Target detection and reconstruction for compressive multiple-input, multiple-output ultra-wideband noise radar imaging. Journal of Electronic Imaging, 2013, 22, 021008.	0.9	2
206	Special Section Guest Editorial: Compressive Sensing for Imaging. Journal of Electronic Imaging, 2013, 22, 020901.	0.9	0
207	Technical Considerations in Medical Radar. , 2013, , .		2
208	Design, Performance and Optimization for Multimodal Radar Operation. Sensors, 2012, 12, 12673-12693.	3.8	5
209	Human thermal emissions and their exploitation in passive microwave radar. , 2012, , .		1
210	Ultrawideband normalized radar cross sections of distributed clutter. , 2012, , .		1
211	Analysis and design of algorithms for compressive sensing based noise radar systems. , 2012, , .		7
212	Shifted Pixel Method for Through-Wall Radar Imaging. IEEE Transactions on Antennas and Propagation, 2012, 60, 3706-3716.	5.1	13
213	Impulse response characterization of the propagation and scattering environment in through-wall applications using an S-band noise radar. , 2012, , .		0
214	Band-limited random waveforms in compressive radar imaging. , 2012, , .		0
215	Noise radar tomography. , 2012, , .		6
216	CGLRT plus TDL Beamforming for Ultrawideband MIMO Noise Radar. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1858-1869.	4.7	9

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217	Fast Threat Detection and Localization using Super-Regenerative Transceiver in Random Noise Radar. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 3620-3636.	4.7	3
218	Application Guidelines for Graduate Schools in the United States and Canada. IETE Journal of Education Online, 2012, 53, 97-103.	0.6	1
219	Source localization using unique characterizations of multipath propagation in an urban environment. , 2012, , .		15
220	Bandwidth sharing and scheduling for multimodal radar with communications and tracking. , 2012, , .		14
221	A Portable Real-Time Digital Noise Radar System for Through-the-Wall Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 4123-4134.	6.3	54
222	Ampliude based compressive sensing for UWB noise radar signal. , 2012, , .		1
223	Sample selection and adaptive weight allocation for compressive MIMO UWB noise radar. , 2012, , .		0
224	Classification and modeling of human activities using empirical mode decomposition with S-band and millimeter-wave micro-Doppler radars. Proceedings of SPIE, 2012, , .	0.8	13
225	Performance of Non-Polarized Noise Modulated Communications System in the Presence of Interference. Wireless Personal Communications, 2012, 65, 773-796.	2.7	1
226	Classification via the Shadow Region in SAR Imagery. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 969-980.	4.7	103
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