

# Ram M Narayanan

## List of Publications by Year in descending order

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291  
papers

2,897  
citations

257450

24  
h-index

243625

44  
g-index

292  
all docs

292  
docs citations

292  
times ranked

1882  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Opportunities and Challenges in Microwave Medical Sensing and Imaging. IEEE Transactions on Biomedical Engineering, 2015, 62, 1667-1682.	4.2	275
2	Classification of human motions using empirical mode decomposition of human micro-Doppler signatures. IET Radar, Sonar and Navigation, 2014, 8, 425-434.	1.8	139
3	Design, performance, and applications of a coherent ultra-wideband random noise radar. Optical Engineering, 1998, 37, 1855.	1.0	116
4	Integrated Spectral and Spatial Information Mining in Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2004, 42, 673-685.	6.3	103
5	Classification via the Shadow Region in SAR Imagery. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 969-980.	4.7	103
6	Through-wall radar imaging using UWB noise waveforms. Journal of the Franklin Institute, 2008, 345, 659-678.	3.4	89
7	Ultrawideband Random Noise Radar Design for Through-Wall Surveillance. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1716-1730.	4.7	73
8	Radar micro-Doppler signatures of various human activities. IET Radar, Sonar and Navigation, 2015, 9, 1205-1215.	1.8	69
9	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
10	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
11	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
12	Enhanced resolution in SAR/ISAR imaging using iterative sidelobe apodization. IEEE Transactions on Image Processing, 2005, 14, 537-547.	9.8	50
13	Through-Wall Imaging of Moving Targets Using UWB Random Noise Radar. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 802-805.	4.0	49
14	THROUGH-THE-WALL DETECTION OF STATIONARY HUMAN TARGETS USING DOPPLER RADAR. Progress in Electromagnetics Research B, 2010, 20, 147-166.	1.0	45
15	UWB Noise-OFDM Netted Radar: Physical Layer Design and Analysis. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1380-1400.	4.7	41
16	Performance Analysis of Communications & Radar Coexistence in a Covert UWB OSA System. , 2010, , .		40
17	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
18	Theoretical and computational analysis of the quantum radar cross section for simple geometrical targets. Quantum Information Processing, 2017, 16, 1.	2.2	38

#	ARTICLE	IF	CITATIONS
19	Radar classification of indoor targets using support vector machines. IET Radar, Sonar and Navigation, 2016, 10, 1468-1476.	1.8	36
20	Metacognition for Radar Coexistence. , 2020, , .		31
21	Data-Level Fusion of Multilook Inverse Synthetic Aperture Radar Images. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1394-1406.	6.3	30
22	Closing the Loop on Cognitive Radar for Spectrum Sharing. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 44-55.	1.3	27
23	Railroad track modulus estimation using ground penetrating radar measurements. NDT and E International, 2004, 37, 141-151.	3.7	26
24	Through-wall imaging and characterization of human activity using ultrawideband (UWB) random noise radar. , 2005, 5778, 186.		26
25	Antenna Placement for Minimizing Target Localization Error in UWB MIMO Noise Radar. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 135-138.	4.0	26
26	Design of Ultrawideband Stepped-Frequency Radar for Imaging of Obscured Targets. IEEE Sensors Journal, 2017, 17, 4435-4446.	4.7	26
27	Mitigation of target distortion in pulse- agile sensors via Richardson- Lucy deconvolution. Electronics Letters, 2019, 55, 1249-1252.	1.0	25
28	Doppler visibility of coherent ultrawideband random noise radar systems. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 904-916.	4.7	24
29	Compact Ultrawideband UHF Array Antenna for Through-Wall Radar Applications. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1302-1305.	4.0	23
30	Hilbert-Huang Transform (HHT) Analysis of Human Activities Using Through-Wall Noise Radar. , 2007, , .		22
31	Through wall radar imaging using UWB noise waveforms. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	22
32	Static and Moving Target Imaging Using Harmonic Radar. Electronics (Switzerland), 2017, 6, 30.	3.1	21
33	Use of Objective- Based Undergraduate Research Project Experience as a Graduate Student Recruitment Tool. Journal of Engineering Education, 1999, 88, 361-365.	3.0	20
34	Compressive radar imaging using white stochastic waveforms. , 2010, , .		20
35	The Effect of Polarization on the Quantum Radar Cross Section Response. IEEE Journal of Quantum Electronics, 2017, 53, 1-9.	1.9	20
36	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

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37	<title>Design and performance of a polarimetric random noise radar for detection of shallow buried targets</title>. , 1995, , .		19
38	Trilateration-Based Localization Algorithm Using the Lemoine Point Formulation. IETE Journal of Research, 2014, 60, 60-73.	2.6	19
39	Application of Radar to Remote Patient Monitoring and Eldercare. IET Radar, Sonar and Navigation, 2015, 9, 115-115.	1.8	19
40	Principles and applications of coherent random noise radar technology. , 2003, , .		17
41	Sparsity-based signal processing for noise radar imaging. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 314-325.	4.7	17
42	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
43	Through-Wall Single and Multiple Target Imaging Using MIMO Radar. Electronics (Switzerland), 2017, 6, 70.	3.1	16
44	Microwave imaging of multilayered structures using ultrawideband noise signals. NDT and E International, 2019, 104, 19-33.	3.7	16
45	Evaluation of Real-Time Predictive Spectrum Sharing for Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 690-705.	4.7	16
46	Design of Active Circulators Using High-Speed Operational Amplifiers. IEEE Microwave and Wireless Components Letters, 2010, 20, 575-577.	3.2	15
47	Source localization using unique characterizations of multipath propagation in an urban environment. , 2012, , .		15
48	Application of Unidirectional Carbon-Fiber-Reinforced-Polymer Laminas in Circuit-Analog Absorbers. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 1743-1751.	2.2	15
49	Bandwidth sharing and scheduling for multimodal radar with communications and tracking. , 2012, , .		14
50	Cognitive software defined radar: A reactive approach to RFI avoidance. , 2018, , .		14
51	Data Level Fusion of Multilook Inverse Synthetic Aperture Radar (ISAR) Images. IEEE Applied Imagery and Pattern Recognition Workshop, 2006, , .	0.0	13
52	Shifted Pixel Method for Through-Wall Radar Imaging. IEEE Transactions on Antennas and Propagation, 2012, 60, 3706-3716.	5.1	13
53	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
54	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

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55	Radar micro-Doppler based human activity classification for indoor and outdoor environments. Proceedings of SPIE, 2016, , .	0.8	12
56	Information elasticity in radar systems. Electronics Letters, 2018, 54, 1049-1051.	1.0	12
57	Experimental demonstration of cognitive spectrum sensing & notching for radar. , 2018, , .		12
58	Multistatic Doppler Estimation Using Global Positioning System Passive Coherent Location. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2978-2991.	4.7	12
59	Performance Analysis of Pulse-Agile SDRadar with Hardware Accelerated Processing. , 2020, , .		12
60	Experimental Assessment of Joint Range-Doppler Processing to Address Clutter Modulation from Dynamic Radar Spectrum Sharing. , 2020, , .		12
61	Roadmap on signal processing for next generation measurement systems. Measurement Science and Technology, 2022, 33, 012002.	2.6	12
62	Soil moisture estimation models using SIR-C SAR data: a case study in New Hampshire, USA. Remote Sensing of Environment, 2001, 75, 385-396.	11.0	11
63	Bandwidth sharing and scan scheduling in multimodal radar with communications and tracking. IETE Journal of Research, 2013, 59, 551.	2.6	11
64	Micro-doppler radar classification of human motions under various training scenarios. Proceedings of SPIE, 2013, , .	0.8	11
65	Linearization of a harmonic radar transmitter by feed-forward filter reflection. , 2014, , .		11
66	Moving target indication with non-linear radar. , 2015, , .		11
67	Derivation and validation of the nonlinear radar range equation. Proceedings of SPIE, 2016, , .	0.8	11
68	Equivalent Circuit for Antenna-Cavity Coupling in Wheeler's Cap Technique. Electromagnetics, 2005, 25, 115-131.	0.7	10
69	Adaptable Bandwidth for Harmonic Step-Frequency Radar. International Journal of Antennas and Propagation, 2015, 2015, 1-15.	1.2	10
70	Global positioning system processing methods for GPS passive coherent location. IET Radar, Sonar and Navigation, 2017, 11, 1406-1416.	1.8	10
71	Hardware Design of a High Dynamic Range Radio Frequency (RF) Harmonic Measurement System. Instruments, 2018, 2, 16.	1.8	10
72	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

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73	<title>Multiple location SAR/ISAR image fusion for enhanced characterization of targets</title>. , 2005, 5788, 128.		9
74	Fifty years of noise radar. , 2010, , .		9
75	Human activity classification using Hilbert-Huang transform analysis of radar Doppler data. Proceedings of SPIE, 2011, , .	0.8	9
76	CGLRT plus TDL Beamforming for Ultrawideband MIMO Noise Radar. IEEE Transactions on Aerospace and Electronic Systems, 2012, 48, 1858-1869.	4.7	9
77	Cognitive software defined radar: waveform design for clutter and interference suppression. Proceedings of SPIE, 2017, , .	0.8	9
78	Spectral Prediction and Notching of RF Emitters for Cognitive Radar Coexistence. , 2020, , .		9
79	Electromagnetic Scattering from a Dielectric Sheet Using the Method of Moments with Approximate Boundary Condition. Electromagnetics, 2004, 24, 369-384.	0.7	8
80	Modeling of Target Shadows for SAR Image Classification. IEEE Applied Imagery and Pattern Recognition Workshop, 2006, , .	0.0	8
81	Design of spectrally versatile forward-looking ground-penetrating radar for detection of concealed targets. , 2013, , .		8
82	Tracking of Noncooperative Airborne Targets Using ADS-B Signal and Radar Sensing. International Journal of Aerospace Engineering, 2013, 2013, 1-12.	0.9	8
83	Ultrawideband Noise Radar Tomography: Principles, Simulation, and Experimental Validation. International Journal of Microwave Science and Technology, 2016, 2016, 1-21.	0.6	8
84	Passive Vector Sensing for Non-Cooperative Emitter Localization in Indoor Environments. Electronics (Switzerland), 2018, 7, 442.	3.1	8
85	A Stochastic Model for Prediction and Avoidance of RF Interference to Cognitive Radars. , 2019, , .		8
86	Waveform Optimization for Multistatic Radar Imaging Using Mutual Information. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 2410-2425.	4.7	8
87	Design, Analysis, and Performance of a Noise Modulated Covert Communications System. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	2.4	7
88	Analysis and design of algorithms for compressive sensing based noise radar systems. , 2012, , .		7
89	Radar signatures of furniture elements. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 521-535.	4.7	7
90	Radar ambiguity functions and resolution characteristics of Sudoku-based waveforms. , 2016, , .		7

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91	<math>X</math>-Band Circuit-Analog Absorbers Using Unidirectional Carbon Fiber. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1060-1063.	4.0	7
92	Cognitive Software-Defined Radar: Evaluation of Target Detection with RFI Avoidance. , 2019, , .		7
93	Covert Netted Wireless Noise Radar Sensor: OFDMA-Based Communication Architecture. , 2006, , .		6
94	Cross-correlation analysis of noise radar signals propagating through lossy dispersive media. , 2011, , .		6
95	Noise radar tomography. , 2012, , .		6
96	Multi-Target Detection using Total Correlation for Noise Radar Systems. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1251-1262.	4.7	6
97	Nonlinear synthetic aperture radar imaging using a harmonic radar. Proceedings of SPIE, 2015, , .	0.8	6
98	An overview of spectrum sensing for harmonic radar. , 2016, , .		6
99	Comparison of RF spectrum prediction methods for dynamic spectrum access. Proceedings of SPIE, 2017, , .	0.8	6
100	Electric and magnetic target polarization in quantum radar. Proceedings of SPIE, 2017, , .	0.8	6
101	SPARSELY SAMPLED WIDEBAND RADAR HOLOGRAPHIC IMAGING FOR DETECTION OF CONCEALED OBJECTS. Progress in Electromagnetics Research B, 2017, 72, 67-93.	1.0	6
102	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
103	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
104	Abnormal gait detection and classification using micro-Doppler radar signatures. , 2019, , .		6
105	Comparing stochastic and Markov decision process approaches for predicting radio frequency interference. , 2019, , .		6
106	Practical Aspects of Cognitive Radar. , 2020, , .		6
107	A multi-target detector using mutual information for noise radar systems in low SNR regimes. , 2010, , .		5
108	Design, Performance and Optimization for Multimodal Radar Operation. Sensors, 2012, 12, 12673-12693.	3.8	5

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109	Delayed and summed adaptive noise waveforms for target matched radar detection. , 2013, , .		5
110	Waveform design for compressively sampled ultrawideband radar. Journal of Electronic Imaging, 2013, 22, 021011.	0.9	5
111	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
112	Short-range harmonic radar: chirp waveform, electronic targets. Proceedings of SPIE, 2015, , .	0.8	5
113	Maximizing harmonic-radar target response: Duty cycle vs. peak power. , 2016, , .		5
114	Multistatic radar exploitation of forward scattering nulls. , 2016, , .		5
115	Multistatic radar Doppler estimation for passive coherent location. , 2017, , .		5
116	Secure Spread Spectrum Communication Using Ultrawideband Random Noise Signals. , 2006, , .		4
117	Synchronization for wireless multi-radar covert communication networks. , 2007, , .		4
118	Multiple targets estimation and tracking for ADS-B radar system. , 2008, , .		4
119	Through wall ranging and imaging using UWB random noise waveform: System design considerations and preliminary experimental results. , 2009, , .		4
120	Stepped-frequency nonlinear radar simulation. , 2014, , .		4
121	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
122	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
123	Instantaneous, stepped-frequency, nonlinear radar. , 2015, , .		4
124	Analytical formulation of the quantum electromagnetic cross section. Proceedings of SPIE, 2016, , .	0.8	4
125	System upgrades and performance evaluation of the spectrally agile, frequency incrementing reconfigurable (SAFIRE) radar system. , 2017, , .		4
126	High-resolution nondestructive testing of multilayer dielectric materials using wideband microwave synthetic aperture radar imaging. Proceedings of SPIE, 2017, , .	0.8	4



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127	Sudoku Inspired Designs for Radar Waveforms and Antenna Arrays. Electronics (Switzerland), 2017, 6, 13.	3.1	4
128	Considerations and Framework for Foveated Imaging Systems â€. Photonics, 2018, 5, 18.	2.0	4
129	Applying Periodic Retraining to Survival Analysis-Based Dynamic Spectrum Access Algorithms. , 2018, , .		4
130	Radar tools for spectrum assessment and prediction. , 2018, , .		4
131	SDR Based Indoor Beacon Localization Using 3D Probabilistic Multipath Exploitation and Deep Learning. Electronics (Switzerland), 2019, 8, 1323.	3.1	4
132	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
133	Performance analysis of forward-looking GPR ultra-wideband antennas for buried object detection. First Break, 2015, 33, .	0.4	4
134	Compressive Sensing Meets Noise Radar. , 2017, , 429-459.		4
135	Sense-Through-Wall Channel Modeling Using UWB Noise Radar. , 2009, , .		3
136	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
137	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
138	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
139	Design considerations for quantum radar implementation. Proceedings of SPIE, 2014, , .	0.8	3
140	Diffraction tomography for ultra-wideband noise radar and imaging quality measure of a cylindrical perfectly conducting object. , 2014, , .		3
141	Features associated with radar micro-Doppler signatures of various human activities. Proceedings of SPIE, 2015, , .	0.8	3
142	Instantaneous stepped-frequency, non-linear radar part 2: experimental confirmation. , 2016, , .		3
143	Circuit models for Salisbury screens made from unidirectional carbon fiber composite sandwich structures. , 2016, , .		3
144	Theoretical considerations for a dynamic calibration target for through-wall and through-rubble motion-sensing Doppler radar. Proceedings of SPIE, 2017, , .	0.8	3

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145	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
146	Lower Bounds for Wideband Direction-Finding with Mutual Coupling. , 2019, , .		3
147	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
148	Target Classification in Synthetic Aperture Radar Images Using Quantized Wavelet Scattering Networks. Sensors, 2021, 21, 4981.	3.8	3
149	Modeling and Simulation of Environmental Impact Damage of Aerospace Composites and Its Detection Scheme. , 0, , .		3
150	Design and Performance of a Microwave Nondestructive Testing System for Damage Analysis of FRP Composites. , 0, , .		3
151	Application of multidomain sensor image fusion and training data augmentation for enhanced CNN image classification. Journal of Electronic Imaging, 2022, 31, .	0.9	3
152	Applying target shadow models for SAR ATR. , 2007, , .		2
153	Cross-band Inverse Synthetic Aperture Radar (ISAR) Image Fusion. , 2007, , .		2
154	Fusion of multiple-look synthetic aperture radar images at data and image levels. , 2008, , .		2
155	An adaptive multimodal radar system with progressive resolution enhancement. , 2010, , .		2
156	Design of a Covert RFID Tag Network for Target Discovery and Target Information Routing. Sensors, 2011, 11, 9242-9259.	3.8	2
157	Tomographic imaging with ultra-wideband noise radar using time-domain data. , 2013, , .		2
158	Characterizing detection thresholds using extreme value theory in compressive noise radar imaging. , 2013, , .		2
159	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
160	Ultra-wideband noise radar imaging of cylindrical PEC objects using diffraction tomography. Proceedings of SPIE, 2014, , .	0.8	2
161	Indoor experimental facility for airborne synthetic aperture radar (SAR) configurations " rail-SAR. , 2014, , .		2
162	Characterization of carbon fiber composite materials for RF applications. Proceedings of SPIE, 2014, , .	0.8	2

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163	Radar signatures of indoor clutter for through-the-wall radar applications. , 2014, , .		2
164	Compressive wideband microwave radar holography. , 2014, , .		2
165	Source Geolocation in Urban Environments Using Multipath Fingerprinting. International Journal of Antennas and Propagation, 2015, 2015, 1-11.	1.2	2
166	Compressive sensing based image reconstruction for synthetic aperture radar using discrete cosine transform and noiselets. , 2015, , .		2
167	Filter selection for a harmonic radar. Proceedings of SPIE, 2015, , .	0.8	2
168	Phase responses of harmonics reflected from radio-frequency electronics. Proceedings of SPIE, 2016, , .	0.8	2
169	Investigation of target and ground clutter reflections on the correlation between transmitted and received noise signals. , 2016, , .		2
170	Sources and Reduction of Noise in Circuits and Systems. IETE Journal of Education Online, 2016, 57, 73-89.	0.6	2
171	Recent non-linear radar research at the Army Research Laboratory. , 2017, , .		2
172	Analysis of Damage in Unidirectional CFRP Circuit Analog Absorbers. , 2018, , .		2
173	Multifunctional Radar and Communications Waveform Using Chaos. , 2018, , .		2
174	WIDEBAND RADIO FREQUENCY NOISELET WAVEFORMS FOR MULTIREOLUTION NONDESTRUCTIVE TESTING OF MULTILAYERED STRUCTURES. Progress in Electromagnetics Research B, 2018, 81, 1-23.	1.0	2
175	Operational Reliability of Radar Systems. , 2018, , .		2
176	The Spectrum Analysis Solution (SAS) System: Theoretical Analysis, Hardware Design and Implementation. Sensors, 2018, 18, 652.	3.8	2
177	Derivation of $K$ -Factor Detection Statistics to Discriminate Between LOS and NLOS Scenarios. IEEE Transactions on Wireless Communications, 2022, 21, 2668-2679.	9.2	2
178	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
179	Quantized wavelet scattering networks for signal classification. , 2019, , .		2
180	Technical Considerations in Medical Radar. , 2013, , .		2

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181	Simultaneous human detection and ranging using a millimeter-wave radar system transmitting wideband noise with an embedded tone. Proceedings of SPIE, 2012, , .	0.8	2
182	A thorough analysis of various geometries for a dynamic calibration target for through-wall and through-rubble radar. , 2018, , .		2
183	Predictive energy detection for inferring radio frequency activity. , 2018, , .		2
184	A compound Gaussian-based waveform design approach for enhanced target detection in multistatic radar imaging. , 2019, , .		2
185	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
186	<title>Covert communications using random noise signals: overall system simulation and modulation analysis</title>. , 2005, , .		1
187	An RF tag communication system model for noise radar. , 2008, , .		1
188	Non-cooperative collision avoidance concept for Unmanned Aircraft System using satellite-based radar and radio communication. , 2011, , .		1
189	Design and performance of an integrated waveform-agile multi-modal track-before-detect sensing system. , 2011, , .		1
190	Human thermal emissions and their exploitation in passive microwave radar. , 2012, , .		1
191	Ultrawideband normalized radar cross sections of distributed clutter. , 2012, , .		1
192	Application Guidelines for Graduate Schools in the United States and Canada. IETE Journal of Education Online, 2012, 53, 97-103.	0.6	1
193	Amplitude based compressive sensing for UWB noise radar signal. , 2012, , .		1
194	Performance of Non-Polarized Noise Modulated Communications System in the Presence of Interference. Wireless Personal Communications, 2012, 65, 773-796.	2.7	1
195	Spectral characteristics of human and indoor clutter for through the wall sensing. , 2013, , .		1
196	Automated cancellation of harmonics using feed-forward filter reflection for radar transmitter linearization. Proceedings of SPIE, 2014, , .	0.8	1
197	Compressive noise radar for urban sensing. , 2014, , .		1
198	Analysis of the tolerance of compressive noise radar systems to multiplicative perturbations. Proceedings of SPIE, 2014, , .	0.8	1

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199	Medical radar considerations for detecting and monitoring Crohn's disease. , 2014, , .		1
200	Performance analysis of spectrally versatile forward-looking ground-penetrating radar for detection of concealed targets. , 2015, , .		1
201	Principle and experimental results of ultra-wideband noise radar imaging of a cylindrical conducting object using diffraction tomography. , 2015, , .		1
202	Bistatic and multistatic target identification for through-wall radar imaging. Proceedings of SPIE, 2015, , .	0.8	1
203	Microwave reconstruction method using a circular antenna array cooperating with an internal transmitter. Proceedings of SPIE, 2016, , .	0.8	1
204	Multistatic passive coherent location using multilateration techniques. Proceedings of SPIE, 2016, , .	0.8	1
205	Analysis and implementation of the foveated vision of the raptor eye. Proceedings of SPIE, 2016, , .	0.8	1
206	Waveform design for cognitive radar: target detection in heavy clutter. , 2016, , .		1
207	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
208	Prognostic investigation of galvanic corrosion precursors in aircraft structures and their detection strategy. , 2017, , .		1
209	Foveal scale space generation with the log-polar transform. Proceedings of SPIE, 2017, , .	0.8	1
210	Passive coherent location matched filter alternative. , 2017, , .		1
211	Two-port representation of propagation and scattering in radar. , 2017, , .		1
212	Analysis of Sudoku coded waveforms and application to planar phased arrays. , 2017, , .		1
213	Analysis of sparse co-prime sensing array performance using wideband noise signals. , 2017, , .		1
214	A DUAL-MESH MICROWAVE RECONSTRUCTION METHOD BASED ON COMPRESSIVE SAMPLING MATCHING PURSUIT ALGORITHM. Progress in Electromagnetics Research, 2019, 166, 43-57.	4.4	1
215	Language-Based Cost Functions for Fully Adaptive Radar Under Imprecise Performance Standards. , 2020, , .		1
216	An Information Elasticity Framework for the Adaptive Matched Filter. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4916-4929.	4.7	1

#	ARTICLE	IF	CITATIONS
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218	A Formal Study of the Doppler Tolerance of Costas and Sudoku Waveforms. , 2021, , .		1
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