Christian Waldschmidt

List of Publications by Year
in descending order

234	4,105	279487	174990
papers	citations	23 h-index	52 g-index

234	234	234	2245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	UAV-Borne 2-D and 3-D Radar-Based Grid Mapping. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	9
2	UAV-Borne FMCW InSAR for Focusing Buried Objects. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	19
3	Dual-port traveling-wave frequency-scanned patch array antenna for E-band vehicle sensing and imaging applications. IEICE Electronics Express, 2022, 19, 20210367-20210367.	0.3	0
4	Glass Package for Radar MMICs Above 150 GHz. IEEE Journal of Microwaves, 2022, 2, 97-107.	4.9	8
5	Radar-Based Mapping of the Environment: Occupancy Grid-Map Versus SAR. IEEE Microwave and Wireless Components Letters, 2022, 32, 253-256.	2.0	13
6	River Surface Analysis and Characterization Using FMCW Radar. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2493-2502.	2.3	8
7	Coherent Measurements of a Multistatic MIMO Radar Network With Phase Noise Optimized Non-Coherent Signal Synthesis. IEEE Journal of Microwaves, 2022, 2, 239-252.	4.9	3
8	A novel covariance model for MIMO sensing systems and its identification from measurements. Signal Processing, 2022, 197, 108542.	2.1	0
9	Near-Field Compensation for Coherent Radar Networks. IEEE Microwave and Wireless Components Letters, 2022, 32, 1251-1254.	2.0	2
10	Towards Holographic Antenna Systems for MIMO Radar and Communication Applications. , 2022, , .		4
11	PointNet+LSTM for Target List-Based Gesture Recognition With Incoherent Radar Networks. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5675-5686.	2.6	9
12	Efficient Calibration of Very Large mm-Wave Radars by Virtual Phase Center Analysis. , 2022, , .		2
13	IQ-Transmitter Digital Predistortion for an OFDM Radar. , 2022, , .		4
14	Holographic Conical Beam Scanning Antenna for mm-Wave Radars Using Glass Technology. , 2022, , .		3
15	Radar-Based Classification of Automotive-Related Scenarios using Temporal Information. , 2022, , .		1
16	A Broadband Multilayer Vertical Transition at 79 GHz Employing FR4 as Core Material. , 2022, , .		2
17	Data Augmentation in Time and Doppler Frequency Domain for Radar-based Gesture Recognition. , 2022, , .		2
18	Ghost-Target Suppression in Coherent Radar Networks. , 2022, , .		0

#	Article	IF	Citations
19	Matching Bistatic Target Responses in Radar Networks to Enable Vectorial Velocity Estimation. , 2022, , .		0
20	Characterization Techniques for Reconfigurable Reflectarray Unit Cells at 240 GHz. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1911-1915.	2.4	4
21	Under the Sand: Navigation and Localization of a Micro Aerial Vehicle for Landmine Detection with Ground-Penetrating Synthetic Aperture Radar. , 2022, 2, 1028-1067.		2
22	Range-Angle Coupling and Near-Field Effects of Very Large Arrays in mm-Wave Imaging Radars. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 262-270.	2.9	17
23	OFDM-Based Radar Network Providing Phase Coherent DOA Estimation. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 325-336.	2.9	21
24	Automotive Radar â€" From First Efforts to Future Systems. IEEE Journal of Microwaves, 2021, 1, 135-148.	4.9	236
25	Mutual Interference of Automotive OFDM Radarsâ€"Analysis and Countermeasures. IEEE Journal of Microwaves, 2021, 1, 950-961.	4.9	6
26	Performance Evaluation and Optimization of MIMO Radars Using Biomimetic Antenna Arrays. IEEE Transactions on Microwave Theory and Techniques, 2021, , 1-1.	2.9	4
27	A Switchable Biomimetic Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2422-2426.	2.4	1
28	Multi-Modal Cross Learning for an FMCW Radar Assisted by Thermal and RGB Cameras to Monitor Gestures and Cooking Processes. IEEE Access, 2021, 9, 22295-22303.	2.6	8
29	Experimental Study on the Detection of Avalanche Victims using an Airborne Ground Penetrating Synthetic Aperture Radar. , 2021, , .		4
30	Multiplexing of OFDM-Based Radar Networks. , 2021, , .		3
31	Synthetization of Virtual Transmit Antennas for MIMO OFDM Radar by Space-Time Coding. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1964-1971.	2.6	4
32	Calibration Technique for THz Time-Domain Spectrometers Enabling Vectorial Scattering Parameter Measurements. IEEE Microwave and Wireless Components Letters, 2021, 31, 805-807.	2.0	7
33	N-Element Biomimetic Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 3899-3912.	3.1	5
34	The Fairy Tale of Simple All-Digital Radars: How to Deal With 100 Gbit/s of a Digital Millimeter-Wave MIMO Radar on an FPGA [Application Notes]. IEEE Microwave Magazine, 2021, 22, 66-76.	0.7	24
35	Multitarget Simulator for Automotive Radar Sensors With Unknown Chirp-Sequence Modulation. IEEE Microwave and Wireless Components Letters, 2021, 31, 1086-1089.	2.0	11
36	Coded OFDM Waveforms for MIMO Radars. IEEE Transactions on Vehicular Technology, 2021, 70, 8769-8780.	3.9	13

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37	Phase-Code-Based Modulation for Coherent Lidar. IEEE Transactions on Vehicular Technology, 2021, 70, 9886-9897.	3.9	9
38	Flexible Direction-of-Arrival Simulation for Automotive Radar Target Simulators. IEEE Journal of Microwaves, 2021, 1, 930-940.	4.9	12
39	System Performance of a Scalable 79 GHz Imaging MIMO Radar With Injection-Locked LO Feedthrough. IEEE Journal of Microwaves, 2021, 1, 941-949.	4.9	7
40	Highly Efficient Angular Array Calibration Based on the Modal Wave Expansion Technique. IEEE Open Journal of Antennas and Propagation, 2021, 2, 938-948.	2.5	5
41	Versatile Hermetically Sealed Sensor Platform for High Frequency Applications. , 2021, , .		1
42	Phase-Coded FMCW Lidar. , 2021, , .		1
43	FMCW-Interference of Frequency Agile OFDM Radars. , 2021, , .		3
44	Channel Influence for the Analysis of Interferences Between Automotive Radars. , 2021, , .		8
45	A Cognitive FMCW Radar to Minimize a Sequence of Range-Doppler Measurements. , 2021, , .		0
46	Increasing the Efficiency and Robustness of Angular Radar Calibration by Exploiting Phase Symmetry. , 2021, , .		4
47	Radar Imaging Using Electrically Large Arrays With High Range Resolution at 160 GHz. , 2021, , .		0
48	Airborne Tripwire Detection Using a Synthetic Aperture Radar. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 262-266.	1.4	13
49	A Wideband Differential Microstrip-to-Waveguide Transition for Multilayer PCBs at 120 GHz. IEEE Microwave and Wireless Components Letters, 2020, 30, 170-172.	2.0	7
50	Mitigation of RF Impairments of a 160-GHz MMIC FMCW Radar Using Model-Based Estimation. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1065-1073.	2.9	1
51	IQ-Imbalance Compensation for Wideband OFDM-Radar. , 2020, , .		3
52	Ultracompact Monostatic MIMO Radar With Nonredundant Aperture. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4805-4813.	2.9	9
53	A Wideband 122GHz Cavity-Backed Dipole Antenna for Millimeter-Wave Radar Altimetry. , 2020, , .		2
54	A Multimodal Dielectric Waveguide-Based Monopulse Radar at 160 GHz. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4825-4834.	2.9	7

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55	A System Analysis of Noise Influences on the Imaging Performance of Millimeter Wave MIMO Radars. , 2020, , .		3
56	Phase Recovery in Sensor Networks Based on Incoherent Repeater Elements. , 2020, , .		3
57	Robust Doppler-Based Gesture Recognition With Incoherent Automotive Radar Sensor Networks. , 2020, 4, 1-4.		19
58	Advanced Noncoherent Detection in Massive MIMO Systems via Digital Beamspace Preprocessing. Telecom, 2020, 1, 211-227.	1.6	2
59	A Radar System Concept for 2D Unambiguous Angle Estimation Using Widely Spaced MMICs with Antennas On-Chip at 150 GHz. , 2020, , .		2
60	Mechanically Decoupled Transitions from MMIC to Rectangular and Dielectric Waveguides at G-Band. , 2020, , .		1
61	Flexible Radar Front End with Multimodal Transition at 300 GHz. , 2020, , .		2
62	Mitigation of Leakage in FMCW Radars by Background Subtraction and Whitening. IEEE Microwave and Wireless Components Letters, 2020, 30, 1105-1107.	2.0	4
63	Calibration and Direction-of-Arrival Estimation of Millimeter-Wave Radars: A Practical Introduction. IEEE Antennas and Propagation Magazine, 2020, 62, 34-45.	1.2	47
64	Millimeter-Wave SAR-Imaging With Radar Networks Based on Radar Self-Localization. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4652-4661.	2.9	23
65	Interference-Robust Processing of OFDM Radar Signals Using Compressed Sensing. , 2020, 4, 1-4.		9
66	2-D MIMO Radar: A Method for Array Performance Assessment and Design of a Planar Antenna Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 4604-4616.	3.1	29
67	Coherent Measurements With MIMO Radar Networks of Incoherent FMCW Sensor Nodes. IEEE Microwave and Wireless Components Letters, 2020, 30, 721-724.	2.0	8
68	Self-Aligning and Flexible Dielectric Waveguide Plug for MMICs at G-Band. IEEE Microwave and Wireless Components Letters, 2020, 30, 261-264.	2.0	5
69	Calibration-Based Phase Coherence of Incoherent and Quasi-Coherent 160-GHz MIMO Radars. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2768-2778.	2.9	16
70	Simulator Design for Interference Analysis in Complex Automotive Multi-User Traffic Scenarios. , 2020, , .		5
71	Tripwire Detection in SAR Images Using a Modified Radon Transform. , 2020, , .		1
72	High-Gain Millimeter-Wave Holographic Antenna in Package Using Glass Technology. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2067-2071.	2.4	13

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73	A 160-GHz radar sniffer probe for honey bee detection. , 2020, , .		0
74	Corrections to â€œAssessment of a Millimeter-Wave Antenna System for MIMO Radar Applicationsâ€• IEEE Antennas and Wireless Propagation Letters, 2020, 19, 720-720.	2.4	0
75	Human Gesture Classification for Autonomous Driving Applications using Radars. , 2020, , .		3
76	Radar Sensors for Autonomous Driving: Modulation Schemes and Interference Mitigation. IEEE Microwave Magazine, 2019, 20, 58-72.	0.7	107
77	A Doppler-Tolerant Stepped-Carrier OFDM-Radar Scheme Based on All-Cell-Doppler-Correction. , 2019, , .		4
78	Position Acquisition for a Multicopter-Based Synthetic Aperture Radar. , 2019, , .		1
79	Coherent Multistatic MIMO Radar Networks Based on Repeater Tags. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3908-3916.	2.9	13
80	Advanced Radar Micro-Doppler Simulation Environment for Human Motion Applications. , 2019, , .		7
81	Impact of an Automotive Chirp-Sequence Interferer on a Wideband Pseudo-Noise Radar. , 2019, , .		1
82	Characterization of mm-Wave Conformal Antenna Arrays for a $3imes 8$ MIMO Radar. , 2019, , .		4
83	Effort Considerations of Compressed Sensing for Automotive Radar. , 2019, , .		5
84	Enhancing Angle Estimation Accuracy of Ultra Compact Two-Channel Radar MMICs at 160 GHz Using a Biomimetic Antenna Array. , 2019, , .		2
85	Leakage Phase Noise Mitigation for Monostatic FMCW Radar Sensors Using Carrier Transmission. , 2019, , .		3
86	Association of Straight Radar Landmarks for Vehicle Self-Localization. , 2019, , .		4
87	A Wideband Dielectric Waveguide-Based 160-GHz Radar Target Generator. Sensors, 2019, 19, 2801.	2.1	1
88	Aperture coupled stacked patch thin film antenna for automotive radar at 77 GHz. International Journal of Microwave and Wireless Technologies, 2019, 11, 1061-1068.	1.5	4
89	High-Resolution 160-GHz Imaging MIMO Radar Using MMICs With On-Chip Frequency Synthesizers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3897-3907.	2.9	41
90	An Integrated Stepped-Carrier OFDM MIMO Radar Utilizing a Novel Fast Frequency Step Generator for Automotive Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4559-4569.	2.9	21

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91	A Radar Measurement Setup with a Ground Truth System for Micro-Doppler Human Movements. , 2019, , .		2
92	Chirp-Sequence-Based Imaging Using a Network of Distributed Single-Channel Radar Sensors. , 2019, , .		9
93	Clustering of Closely Adjacent Extended Objects in Radar Images using Velocity Profile Analysis. , 2019, , .		7
94	A broadband UAV-Based FMCW GPR and the Influence of Vegetation. , 2019, , .		4
95	Cooperative Target Detection in a Network of Single-Channel Radar Sensors. , 2019, , .		4
96	Optically Transparent Patch Antennas at 77 GHz Using Meshed Aluminum. , 2019, , .		0
97	Compressed Sensing based Single Snapshot DoA Estimation for Sparse MIMO Radar Arrays. , 2019, , .		25
98	Random Multiplexing for an MIMO-OFDM Radar With Compressed Sensing-Based Reconstruction. IEEE Microwave and Wireless Components Letters, 2019, 29, 300-302.	2.0	34
99	A Noncoherent Massive MIMO System Employing Beamspace Techniques. IEEE Transactions on Vehicular Technology, 2019, 68, 11052-11063.	3.9	3
100	Uav-Based Polarimetric Synthetic Aperture Radar for Mine Detection. , 2019, , .		9
101	On the Calibration of mm-Wave MIMO Radars Using Sparse Antenna Arrays for DoA Estimation. , 2019, , .		16
102	Planar Highly Efficient High-Gain 165ÂGHz On-Chip Antennas for Integrated Radar Sensors. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2429-2433.	2.4	26
103	Hermetically Sealed Glass Package for Highly Integrated MMICs. , 2019, , .		9
104	A Generalized Model for Two-Element Biomimetic Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 1630-1639.	3.1	13
105	160-GHz Radar Proximity Sensor With Distributed and Flexible Antennas for Collaborative Robots. IEEE Access, 2019, 7, 14977-14984.	2.6	22
106	A comparison of ground-based and airborne SAR systems for the detection of landmines, UXO, and IEDs. , 2019, , .		6
107	Stepped-Carrier OFDM-Radar Processing Scheme to Retrieve High-Resolution Range-Velocity Profile at Low Sampling Rate. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1610-1618.	2.9	65
108	Waveform multiplexing using chirp rate diversity for chirp-sequence based MIMO radar systems. , 2018, , .		2

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109	Reducing the Radar Cross Section of Microstrip Arrays Using AMC Structures for the Vehicle Integration of Automotive Radars. IEEE Transactions on Antennas and Propagation, 2018, 66, 1456-1464.	3.1	54
110	Radar-based altitude over ground estimation of UAVs. , 2018, , .		9
111	MIMO-OFDM Radar Using a Linear Frequency Modulated Carrier to Reduce Sampling Requirements. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3511-3520.	2.9	22
112	Implementation of a SAR Demonstrator for Automotive Imaging. , 2018, , .		7
113	Human Motion Training Data Generation for Radar Based Deep Learning Applications. , 2018, , .		14
114	Phase Noise Mitigation for Multistatic FMCW Radar Sensor Networks Using Carrier Transmission. IEEE Microwave and Wireless Components Letters, 2018, 28, 1143-1145.	2.0	10
115	Enhancing Angle Estimation for Off-Boresight Targets Using Biomimetic Antenna Arrays. , 2018, , .		0
116	Design and Implementation of a FMCW GPR for UAV-based Mine Detection. , 2018, , .		24
117	Ego-Motion Estimation using Distributed Single-Channel Radar Sensors. , 2018, , .		16
118	Characterization of a mm-Wave Automotive Radar with a Low-RCS MIMO Antenna System. , 2018, , .		0
119	A Machine Learning Approach for Radar Based Height Estimation. , 2018, , .		0
120	Lightweight Broadband Antennas for UAV based GPR Sensors. , 2018, , .		15
121	Polarimetric SAR for Automotive Applications. , 2018, , .		4
122	122 GHz Monostatic Radar Altimeter for Automated UAV Landing. , 2018, , .		2
123	Dual-Channel Single Sideband Transmitter in 45 nm CMOS SOI for a 70 GHz OFDM Radar. , 2018, , .		0
124	Expanding the Unambiguous Velocity Limitation of the Stepped-Carrier OFDM Radar Scheme. , 2018, , .		12
125	Optimization of Target Separation Capability for FMCW Radar Systems. , 2018, , .		0
126	A Multicopter-Based Focusing Method for Ground Penetrating Synthetic Aperture Radars. , 2018, , .		13

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127	Impact of an Automotive Chirp-Sequence Interferer on a Wideband OFDM Radar. , 2018, , .		9
128	Deep Learning for Range-Doppler Map Single Frame Classifications of Cooking Processes. , 2018, , .		10
129	Enhancing Angle Estimation for Off-Boresight Targets Using Biomimetic Antenna Arrays. , 2018, , .		0
130	Radar Taking Off: New Capabilities for UAVs. IEEE Microwave Magazine, 2018, 19, 43-53.	0.7	72
131	Antenna Design For Noncoherent Massive MIMO Systems. , 2018, , .		2
132	Region of Interest Based Adaptive High Resolution Parameter Estimation with Applications in Automotive Radar. , 2018, , .		4
133	UAV-Based Ground Penetrating Synthetic Aperture Radar. , 2018, , .		40
134	Performance Investigation of Automotive SAR Imaging. , 2018, , .		36
135	Water Surface Velocity Estimation Using Cooperative Radar Sensors. , 2018, , .		2
136	Improved Throat Vibration Sensing with a Flexible 160-GHz Radar through Harmonic Generation. , 2018, , .		18
137	Radar Based Rain Drop Classification for Industrial Applications. , 2018, , .		0
138	On Hardware Implementations of Stepped-Carrier OFDM Radars. , 2018, , .		11
139	Blind Adaptive Beamforming for Automotive Radar Interference Suppression. , 2018, , .		6
140	Instantaneous Actual Motion Estimation with a Single High-Resolution Radar Sensor. , 2018, , .		6
141	77 GHz radar-based altimeter for unmanned aerial vehicles. , 2018, , .		9
142	On Monostatic and Bistatic System Concepts for mm-Wave Radar MMICs. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4204-4215.	2.9	22
143	Radiation Pattern Optimization for QFN Packages With On-Chip Antennas at 160 GHz. IEEE Transactions on Antennas and Propagation, 2018, 66, 4552-4562.	3.1	16
144	High-resolution parameter estimation for chirp-sequence radar considering hardware impairments. , 2018, , .		0

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145	Enhancement of Doppler Unambiguity for Chirp-Sequence Modulated TDM-MIMO Radars. , 2018, , .		27
146	Data rate reduction for chirp-sequence based automotive radars using compressed sensing. , 2018, , .		6
147	High Range and Doppler Resolution by Application of Compressed Sensing Using Low Baseband Bandwidth OFDM Radar. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3535-3546.	2.9	40
148	Vertical Doppler beam sharpening goes self parking. , 2018, , .		7
149	A Cooperative MIMO Radar Network Using Highly Integrated FMCW Radar Sensors. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1355-1366.	2.9	43
150	Analytical and Experimental Investigations on Mitigation of Interference in a DBF MIMO Radar. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1727-1734.	2.9	51
151	Ultracompact 160-GHz FMCW Radar MMIC With Fully Integrated Offset Synthesizer. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1682-1691.	2.9	53
152	A multipath based height estimation of targets for radar systems. , 2017, , .		2
153	Template matching for radar-based orientation and position estimation in automotive scenarios. , 2017, , .		22
154	Vertical digital beamforming versus multipath height finding. , 2017, , .		11
155	Interference of chirp sequence radars by OFDM radars at 77 GHz. , 2017, , .		7
156	Reflection Reduction Through Modal Filtering for Integrated Antenna Measurements Above 100 GHz. IEEE Transactions on Antennas and Propagation, 2017, 65, 3712-3720.	3.1	15
157	Optimization of a MIMO radar antenna system for automotive applications. , 2017, , .		20
158	A 160-GHz Radar With Flexible Antenna Used as a Sniffer Probe. IEEE Sensors Journal, 2017, 17, 5104-5111.	2.4	14
159	Hybrid Thin Film Antenna for Automotive Radar at 79 GHz. IEEE Transactions on Antennas and Propagation, 2017, 65, 5076-5085.	3.1	41
160	The Challenges of Measuring Integrated Antennas at Millimeter-Wave Frequencies [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2017, 59, 84-92.	1.2	32
161	Enhancements in mmâ€wave antenna measurements: automatic alignment and achievable accuracy. IET Microwaves, Antennas and Propagation, 2017, 11, 1676-1680.	0.7	7
162	Scattering center determination for integrated antenna measurements at mm-wave frequencies. , 2017, , .		3

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163	A dielectric lens antenna fed by a flexible dielectric waveguide at 160 GHz. , 2017, , .		14
164	Assessment of a Millimeter-Wave Antenna System for MIMO Radar Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1261-1264.	2.4	25
165	Compensation of Motion-Induced Phase Errors in TDM MIMO Radars. IEEE Microwave and Wireless Components Letters, 2017, 27, 1164-1166.	2.0	70
166	A new height-estimation method using FMCW radar Doppler beam sharpening. , 2017, , .		21
167	Ghost target identification by analysis of the Doppler distribution in automotive scenarios. , 2017, , .		21
168	Automotive radar interference mitigation using a sparse sampling approach. , 2017, , .		62
169	Enhanced angle estimation accuracy of ultra compact radars inspired by a biomimetic approach. , 2017, , .		7
170	Vertical digital beamforming versus vertical Doppler Beam Sharpening. , 2017, , .		0
171	A performance comparison of RELAX and MODE for multipath height finding. , 2017, , .		0
172	Estimation and cancellation of interferences in automotive radar signals. , 2017, , .		32
173	Time-domain correlation radar for fluid surface velocity estimation using a 77 GHz sensor platform. , 2017, , .		13
174	Spatial-frequency-scanning data transmission for mmW multi-user wireless communication systems. , 2017, , .		1
175	A flexible dielectric leaky-wave antenna at 160 GHz. , 2017, , .		7
176	Improvement of dynamic range for arbitrary radar systems using antenna polarization modulation. , 2017, , .		0
177	Polarimetrie RCS analysis of traffic objects. , 2017, , .		5
178	Wideband low-cost hybrid coupler for mm-wave frequencies. , 2017, , .		6
179	Improvement of dynamic range for arbitrary radar systems using antenna polarization modulation. , 2017, , .		0
180	Wide-angle scanning cavity antenna element for mobile Satcom applications at Ka band. , 2016, , .		5

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181	Bats-inspired frequency hopping for mitigation of interference between automotive radars. , 2016, , .		41
182	Digital true time delay for pulse correlation radars. , 2016, , .		3
183	Exploiting propagation effects for authentication and misbehavior detection in VANETs. , 2016, , .		1
184	Design and experimental characterization of a surface with low radar cross-section at millimeter-wave frequencies. , 2016, , .		4
185	Probe influence on integrated antenna measurements at frequencies above 100 GHz. , 2016, , .		17
186	Design of experiment for the characterization of a 160 GHz radar MMIC. , 2016, , .		0
187	Accuracy evaluation for antenna measurements at mm-wave frequencies. , 2016, , .		10
188	Digital beamforming to mitigate automotive radar interference. , 2016, , .		29
189	Compact bistatic 160 GHz transceiver MMIC with phase noise optimized synthesizer for FMCW radar. , 2016, , .		5
190	Reliable Orientation Estimation of Vehicles in High-Resolution Radar Images. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2986-2993.	2.9	33
191	Adaptive clustering for contour estimation of vehicles for high-resolution radar. , 2016, , .		25
192	MMIC-to-waveguide transition at 160 GHz with galvanic isolation. , 2016, , .		13
193	Towards a mm-wave planar biomimetic antenna array with enhanced phase sensitivity. , 2016, , .		6
194	Interesting areas in radar gridmaps for vehicle self-localization. , 2016, , .		13
195	Investigation on a 77-GHz broadside Vivaldi antenna. , 2016, , .		2
196	RCS measurements of a human hand for radar-based gesture recognition at E-band. , 2016, , .		16
197	Influence of the wafer chuck on integrated antenna measurements. , 2016, , .		4
198	Range migration compensation for chirp-sequence based radar. , 2016, , .		5

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199	Coupling Matrix Extraction and Reconfiguration Using a Generalized Isospectral Flow Method. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 148-157.	2.9	13
200	A 77-GHz cavity antenna array in PCB technology. , 2015, , .		7
201	FMCW ramp non-linearity effects and measurement technique for cooperative radar. , 2015, , .		0
202	On the influence of the antenna pattern in noncoherent massive MIMO systems. , 2015, , .		6
203	Wireless channel-based message authentication. , 2015, , .		5
204	Robotically controlled directivity and gain measurements of integrated antennas at 280 GHz. , 2015, , .		21
205	An automated millimeter-wave antenna measurement setup using a robotic arm. , 2015, , .		19
206	3D transition between thin and thick waveguides to interconnect chip and antenna-in-package. , 2015, , .		0
207	The 2015 IEEE MTT-S International Conference on Microwaves for Intelligent Mobility [Conference Report]. IEEE Microwave Magazine, 2015, 16, 82-83.	0.7	0
208	Substrate integrated waveguide slot-fed grid array antenna. , 2015, , .		2
209	New pre-estimation algorithm for FMCW radar systems using the Matrix Pencil Method. , 2015, , .		5
210	Substrate integrated waveguide slot-fed grid array antenna. , 2015, , .		0
211	FMCW ramp non-linearity effects and measurement technique for cooperative radar. , 2015, , .		8
212	SAR imaging in an automotive scenario. , 2015, , .		33
213	Contour recognition with a cooperative distributed radar sensor network. , 2015, , .		16
214	Automotive radar gridmap representations. , 2015, , .		61
215	Estimation of the orientation of vehicles in high-resolution radar images. , 2015, , .		17
216	Automotive radar interference mitigation by reconstruction and cancellation of interference component. , 2015, , .		36

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217	Active transmitarray submodule for K/Ka Band Satcom applications. , 2015, , .		19
218	Design and characterization concepts of a broadband chip-integrated antenna. , 2014, , .		12
219	Future trends and directions in radar concerning the application for autonomous driving. , 2014, , .		5
220	A wideband variable width microstrip grid array antenna. , 2014, , .		7
221	Future trends and directions in radar concerning the application for autonomous driving. , 2014, , .		6
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