

# Giacomo Oliveri

## List of Publications by Year in descending order

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330  
papers

7,770  
citations

57631

44  
h-index

58464

82  
g-index

331  
all docs

331  
docs citations

331  
times ranked

3607  
citing authors

#	ARTICLE	IF	CITATIONS
1	System-by-Design Paradigm-Based Synthesis of Complex Systems: The case of spline-contoured 3D radomes. IEEE Antennas and Propagation Magazine, 2022, 64, 72-83.	1.2	13
2	Multi-Layered Coating Metasurfaces Enabling Frequency Reconfigurability in Wire Antenna. IEEE Open Journal of Antennas and Propagation, 2022, 3, 206-216.	2.5	20
3	Capacity-Driven Low-Interference Fast Beam Synthesis for Next Generation Base Stations. IEEE Transactions on Antennas and Propagation, 2022, 70, 4472-4484.	3.1	8
4	Design of Modular Radar Array Antenna for Two-Way Pattern Sidelobe Optimization. , 2022, , .		1
5	Advances on CS-Processing Applied to Phased Arrays Synthesis, Processing, and Characterization. , 2022, , .		0
6	Smart EM Environments: Current Trends and Future Perspectives. , 2022, , .		1
7	SbD-based Propagation Contouring through 1-bit Dual-Polarization Reconfigurable Intelligent Surfaces. , 2022, , .		0
8	Recent Advances in Complex Reflectarray Synthesis within the System-by-Design Framework. , 2022, , .		0
9	Antenna Array Thinning Through Quantum Fourier Transform. IEEE Access, 2021, 9, 124313-124323.	2.6	14
10	2-D TM GPR Imaging Through a Multiscaling Multifrequency Approach in Lp Spaces. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10011-10021.	2.7	15
11	Designing Smart Electromagnetic Environments for Next-Generation Wireless Communications. Telecom, 2021, 2, 213-221.	1.6	41
12	Advanced Teaching in Electromagnetics at the ELEDIA Research Center. , 2021, , .		0
13	Minimum-Complexity Failure Correction in Linear Arrays via Compressive Processing. IEEE Transactions on Antennas and Propagation, 2021, 69, 4504-4516.	3.1	6
14	On the Use of Nonlinear Metasurfaces for Circumventing Fundamental Limits of Mantle Cloaking for Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 5048-5053.	3.1	34
15	<i>SbD</i>-Based Synthesis of Low-Profile <i>WAIM</i> Superstrates for Printed Patch Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 3849-3862.	3.1	13
16	Holographic Smart EM Skins for Advanced Beam Power Shaping in Next Generation Wireless Environments. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2021, 6, 171-182.	1.4	49
17	Wave Manipulation through Advanced Smart Skins for Shaped Beam Synthesis. , 2021, , .		0
18	Conformal Transformation Electromagnetics Based on Schwarz-Christoffel Mapping for the Synthesis of Doubly Connected Metalenses. IEEE Transactions on Antennas and Propagation, 2020, 68, 1836-1850.	3.1	2

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19	Autocorrelation-Driven Synthesis of Antenna Arraysâ€”The Case of $\langle i \rangle$ -Based Planar Isophoric Thinned Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 2895-2910.	3.1	12
20	System-by-Design Multiscale Synthesis of Task-Oriented Reflectarrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 2867-2882.	3.1	35
21	Teaching Electromagnetics to Next-Generation Engineersâ€”The ELEDIA Recipe: The ELEDIA teaching style. IEEE Antennas and Propagation Magazine, 2020, 62, 50-61.	1.2	4
22	Overcoming Mantle Cloaking Limits in Antenna Applications through Non-Linear Metasurfaces. , 2020, , .		5
23	Non-linear Mantle Cloaks for Self-Configurable Power-Dependent Phased Arrays. , 2020, , .		9
24	Full-Vectorial 3D Microwave Imaging of Sparse Scatterers through a Multi-Task Bayesian Compressive Sensing Approach. Journal of Imaging, 2019, 5, 19.	1.7	4
25	A Total-Variation Sparseness-Promoting Method for the Synthesis of Contiguously Clustered Linear Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 4589-4601.	3.1	18
26	Real-Time Electrical Impedance Tomography of the Human Chest by Means of a Learning-by-Examples Method. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 88-96.	2.3	24
27	A nonlinear Kernel-based adaptive learning-by-examples method for robust NDT/NDE of conductive tubes. Journal of Electromagnetic Waves and Applications, 2019, 33, 669-696.	1.0	22
28	Compressive Sensing-Based Born Iterative Method for Tomographic Imaging. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1753-1765.	2.9	25
29	A New Meta-Paradigm for the Synthesis of Antenna Arrays for Future Wireless Communications. IEEE Transactions on Antennas and Propagation, 2019, 67, 3774-3788.	3.1	46
30	A Total-Variation Compressive Processing Approach to Two-Dimensional Field Reconstruction. , 2019, , .		1
31	Metamaterial-by-Design-A Paradigm for the Industrial Synthesis of EM Manipulation Devices. , 2019, , .		1
32	Unconventional M-MIMO Phased Array Design for 5G Wireless Systems. , 2019, , .		3
33	Array Synthesis in the Autocorrelation Domain - Proof and Research Tracks. , 2019, , .		0
34	Modern Approaches and Self-Evaluation Tools for Teaching Electromagnetics. , 2019, , .		1
35	Advanced Real-Time Strategies for Direction Finding in Rapidly Changing Scenario. , 2019, , .		0
36	Optimal Trade-Off Phased-Arrays for Future Generation Radars and Communication Systems. , 2019, , .		0

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37	Advanced Microwave Imaging with Compressive Processing - Concepts, Methods, and Applications. , 2019, , .		0
38	Innovative Machine Learning Techniques for Biomedical Imaging. , 2019, , .		4
39	Exploiting System-by-Design Paradigms for Dealing with Complexity Issues in EM Devices Systems. , 2019, , .		0
40	New Trends for Smart EM Environments. , 2019, , .		0
41	Frontiers in Reflectarray Design. , 2019, , .		1
42	Capacity-Driven Design of Clustered Array Architectures for New Generation 5G MU-MiMo Systems. , 2019, , .		0
43	Robust real-time inversion of electrical impedance tomography data for human lung ventilation monitoring. Microwave and Optical Technology Letters, 2019, 61, 5-8.	0.9	7
44	Instantaneous brain stroke classification and localization from real scattering data. Microwave and Optical Technology Letters, 2019, 61, 805-808.	0.9	29
45	Progressive compressive sensing for exploiting frequency-diversity in <i>GPR</i> imaging. Journal of Electromagnetic Waves and Applications, 2018, 32, 1164-1193.	1.0	11
46	Compressive Sensing as Applied to Antenna Arrays: Synthesis, Diagnosis, and Processing. , 2018, , .		6
47	Performance enhancement of linear active electronically scanned arrays by means of <i>MbD</i>-synthesized metalenses. Journal of Electromagnetic Waves and Applications, 2018, 32, 927-955.	1.0	6
48	Learning-by-examples techniques as applied to electromagnetics. Journal of Electromagnetic Waves and Applications, 2018, 32, 516-541.	1.0	118
49	Overcoming Feasibility Constraints in Reflectarray Design by Exploiting Non-Radiating Currents. , 2018, , .		0
50	Computational methods for wireless structural health monitoring of cultural heritages. Journal of Physics: Conference Series, 2018, 1131, 012005.	0.3	0
51	Thinned Array Design via Autocorrelation Matching Strategy. , 2018, , .		1
52	Designing New Generation Antennas for 5G MiMo Systems - A New Perspective in Array Synthesis. , 2018, , .		0
53	Compressive Processing in Inverse Problems: Current Advances and Future Trends. , 2018, , .		1
54	Sensing Dielectric Scatterers by Means of The Born Iterative Method in the Contrast-Field Bayesian Compressive Sensing Framework. , 2018, , .		0

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55	Compressive Processing for Computational Electromagnetics - Theoretical Basics, Current Trends and Advances. , 2018, , .		0
56	Three Dimensional Imaging with the Contrast Source Compressive Sampling. , 2018, , .		0
57	Compressive Sensing for Inverse Problems. , 2018, , .		0
58	Power Pattern Matching Through the Hybrid Bayesian Compressive Sensing. , 2018, , .		0
59	New Antenna Design Concept for Future Generation Wireless Communication Systems. , 2018, , .		3
60	Synthesis of Shaped Beam Reflectarrays With Constrained Geometry by Exploiting Nonradiating Surface Currents. IEEE Transactions on Antennas and Propagation, 2018, 66, 5805-5817.	3.1	28
61	Compressive Processing of Microwave Data for NDE/NDT. , 2018, , .		0
62	Sparsity and Coherence in Inverse Problems - from 1 D to 2D Processing through Matrix Completion. , 2018, , .		0
63	Material-by-Design Synthesis of Conformal Miniaturized Linear Phased Arrays. IEEE Access, 2018, 6, 26367-26382.	2.6	11
64	S-Band Spline-Shaped Aperture-Stacked Patch Antenna for Air Traffic Control Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 4292-4297.	3.1	13
65	Antenna Measurements-by-Design for Antenna Qualification. IEEE Transactions on Antennas and Propagation, 2018, 66, 6300-6312.	3.1	16
66	High Density Interconnect Microstrip Patch Antenna for 5G Base Stations with Integrated Filtering Performance. Technologies, 2018, 6, 45.	3.0	3
67	Efficient Prediction of the EM Response of Reflectarray Antenna Elements by an Advanced Statistical Learning Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 3995-4007.	3.1	57
68	Advanced Pulse Sequence Design in Time-Modulated Arrays for Cognitive Radio. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 898-902.	2.4	30
69	Planar Array Diagnosis by Means of an Advanced Bayesian Compressive Processing. IEEE Transactions on Antennas and Propagation, 2018, 66, 5892-5906.	3.1	39
70	Iterative Multiresolution Bayesian CS for Microwave Imaging. IEEE Transactions on Antennas and Propagation, 2018, 66, 3665-3677.	3.1	17
71	Tomographic Imaging of Sparse Low-Contrast Targets in Harsh Environments Through Matrix Completion. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2714-2730.	2.9	6
72	Innovative Synthesis of Reflectarrays within the Non-Radiating Inverse Source Framework. , 2018, , .		0

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73	Exploitation of Frequency Diversity in GPR Imaging through an Innovative Constrained-BCS Method. , 2018, , .		0
74	Inverse Scattering and Information Management - Trends and Envisaged Strategies. , 2018, , .		0
75	Color Compressive Sensing Imaging of Arbitrary-Shaped Scatterers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1986-1999.	2.9	50
76	An integer genetic algorithm for optimal clustering in phased array antenna. , 2017, , .		0
77	Europe and the Future for WPT : European Contributions to Wireless Power Transfer Technology. IEEE Microwave Magazine, 2017, 18, 56-87.	0.7	59
78	Innovative simplified array design for wireless power transmission. , 2017, , .		0
79	A system-by-design approach for efficient multiband patch antennas design. , 2017, , .		3
80	Design of compact printed antennas for 5G base stations. , 2017, , .		8
81	Advanced learning-based approaches for reflectarrays design. , 2017, , .		5
82	SAR array synthesis for next generation earth observation systems. , 2017, , .		0
83	Exploiting non-radiating currents in reflectarray antenna design. , 2017, , .		1
84	Frequency-hopping GPR prospecting of sparse scatterers through Bayesian compressive sensing. , 2017, , .		1
85	Synthesis of clustered linear arrays through a total variation compressive sensing approach. , 2017, , .		2
86	Innovative array architectures for 5G communications. , 2017, , .		4
87	Codesign of Unconventional Array Architectures and Antenna Elements for <i>5G</i> Base Stations. IEEE Transactions on Antennas and Propagation, 2017, 65, 6752-6767.	3.1	66
88	Advanced techniques for GPR microwave imaging: An experimental study. , 2017, , .		2
89	Unconventional techniques for the synthesis of modern antenna arrays. , 2017, , .		1
90	Long-distance <i>WPT</i> unconventional arrays synthesis. Journal of Electromagnetic Waves and Applications, 2017, 31, 1399-1420.	1.0	8

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91	Multiscale System-by-Design Synthesis of Printed WAIMs for Waveguide Array Enhancement. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2017, 2, 84-96.	1.4	43
92	Multi-resolution compressive sensing inversion of scattering data. , 2017, , .		0
93	Design of notch-enhanced compact printed antennas for 5g communications. , 2017, , .		0
94	Design of dual-polarization antennas for 5G base stations. , 2017, , .		2
95	Real time groove characterization combining partial least squares and SVR strategies: application to eddy current testing. Journal of Physics: Conference Series, 2017, 904, 012017.	0.3	7
96	Joint DoA and bandwidth estimation of unknown signals through single snapshot data and MT-BCS approach. , 2017, , .		3
97	Compressive Sensing as Applied to Inverse Problems for Imaging: Theory, Applications, Current Trends, and Open Challenges. IEEE Antennas and Propagation Magazine, 2017, 59, 34-46.	1.2	88
98	Sparse conformal array design for multiple patterns generation through Multi-Task Bayesian Compressive Sensing. , 2017, , .		8
99	Reflectarray antenna simplification through non-radiating currents synthesis. , 2017, , .		0
100	Advances in multi-resolution approaches for computational inverse scattering " On the integration of sparse retrieval within the multi-resolution inversion. , 2017, , .		0
101	Robust diagnosis of planar antenna arrays through a Bayesian compressive sensing approach. , 2017, , .		1
102	Three-dimensional electromagnetic imaging of dielectric targets by means of the multiscaling inexact-Newton method. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1119.	0.8	23
103	Compressive-processing microwave imaging. , 2017, , .		0
104	Real-time crack characterization in conductive tubes through an adaptive partial least squares approach. , 2017, , .		0
105	Planar thinned array design by hybrid analytical&stochastic optimisation. IET Microwaves, Antennas and Propagation, 2017, 11, 1841-1845.	0.7	36
106	Synthesis of next generation reflectarrays. , 2016, , .		1
107	A system-by-design approach to the synthesis of mantle cloaks for large dielectric cylinders. , 2016, , .		0
108	Enhancement of linear arrays through MbD metamaterial coatings. , 2016, , .		0

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109	Scattering camouflage and manipulation using metasurfaces. , 2016, , .		1
110	Real-time eddy-current-testing of metallic structures through statistical learning methodology. , 2016, , .		0
111	System-by-design for multiscale synthesis problems “ methodologies and applications. , 2016, , .		0
112	CS-based computational imaging at microwave frequencies. , 2016, , .		2
113	Conformal transformation of linear arrays through QCTO-based design tools. , 2016, , .		0
114	A computational method for the inversion of wide-band GPR measurements. Journal of Physics: Conference Series, 2016, 756, 012008.	0.3	1
115	System-by-design methodology for multiscale and multiphysics synthesis problems. , 2016, , .		0
116	Synthesis of Modular Contiguously Clustered Linear Arrays Through a Sparseness-Regularized Solver. IEEE Transactions on Antennas and Propagation, 2016, 64, 4277-4287.	3.1	74
117	Alphabet CS for inverse scattering. , 2016, , .		0
118	Innovative antenna architectures exploiting metamaterials for new generation radars. , 2016, , .		0
119	Design of mantle cloaks through a System-by-Design approach. , 2016, , .		1
120	Fast design of next generation reflectarrays through advanced LBE strategies. , 2016, , .		1
121	Real-Time NDT-NDE Through an Innovative Adaptive Partial Least Squares SVR Inversion Approach. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6818-6832.	2.7	64
122	EPJ Applied Metamaterials Special Issue on “Metamaterial-by-Design: Theory, Methods, and Applications to Communications and Sensing” EPJ Applied Metamaterials, 2016, 3, E1.	0.8	11
123	Enabling the optimization-based design of complex EM devices through the System-by-Design approach. , 2016, , .		1
124	Imaging complex targets through alphabet-based compressive sensing. , 2016, , .		2
125	Compressive sensing as a new paradigm in wave scattering and propagation. , 2016, , .		3
126	DS-based thinned planar arrays with arbitrary non-square lattice. , 2016, , .		0



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127	Compressive Sensing as applied to Electromagnetics - challenges, solutions, and future trends. , 2016, , .		3
128	Transformation Electromagnetics Miniaturization of Sectoral and Conical Metamaterial-Enhanced Horn Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 1508-1513.	3.1	21
129	Unconventional Phased Array Architectures and Design Methodologiesâ€™ A Review. Proceedings of the IEEE, 2016, 104, 544-560.	16.4	320
130	A learning-by-examples approach for non-destructive localization and characterization of defects through eddy current measurements. , 2015, , .		4
131	Innovative antenna arrays for next generation radar system. , 2015, , .		0
132	A comparative assessment of information-exploitation techniques for GPR data inversion. Journal of Physics: Conference Series, 2015, 657, 012010.	0.3	2
133	Reconfigurable Electromagnetics Through Metamaterialsâ€™ A Review. Proceedings of the IEEE, 2015, 103, 1034-1056.	16.4	138
134	Synthesis of Multilayer WAIM Coatings for Planar-Phased Arrays Within the System-by-Design Framework. IEEE Transactions on Antennas and Propagation, 2015, 63, 2482-2496.	3.1	81
135	Three-dimensional microwave imaging through a multi-zooming Inexact-Newton approach. , 2015, , .		0
136	A system-by-design approach for the synthesis of metamaterial printed WAIMs. , 2015, , .		0
137	Multi-resolution BCS-based approach for DoA estimation. , 2015, , .		1
138	Wireless coverage optimization for robotic swarm in emergency scenario. , 2015, , .		0
139	Surrogate-Assisted Optimization of Metamaterial Devices for Advanced Antenna Systems. , 2015, , .		2
140	Recent developments in the design of microwave mantle cloaks with improved performance and relative applications. , 2015, , .		0
141	Advances on Compressive Sensing based approaches for inverse scattering. , 2015, , .		1
142	Spline-enhanced synthesis of metamaterial lenses for linear array miniaturization by the SbD-QCTO. , 2015, , .		0
143	Multi-resolution subspace-based optimization method for solving three-dimensional inverse scattering problems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2218.	0.8	20
144	A System-by-Design approach for the synthesis of multi-layer mantle cloaks. , 2015, , .		5

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145	A frequency-hopping BCS strategy for imaging buried objects. , 2015, , .		0
146	On the role of information in inversion and synthesis - challenges, tools, and trends. , 2015, , .		0
147	Hybrid BCS-Deterministic Approach for Sparse Concentric Ring Isophoric Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 378-383.	3.1	44
148	Array Miniaturization Through <i>QCTO-SI</i> Metamaterial Radomes. IEEE Transactions on Antennas and Propagation, 2015, 63, 3465-3476.	3.1	27
149	Wavelet-Based Compressive Imaging of Sparse Targets. IEEE Transactions on Antennas and Propagation, 2015, 63, 4889-4900.	3.1	83
150	Hybrid <i>PSO</i> "CP" technique for the synthesis of non-uniform linear arrays with maximum directivity. Journal of Electromagnetic Waves and Applications, 2015, 29, 113-123.	1.0	16
151	3-D Crack Detection in Anisotropic Layered Media Through a Sparseness-Regularized Solver. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1031-1034.	2.4	26
152	Compressive Sensing in Electromagnetics - A Review. IEEE Antennas and Propagation Magazine, 2015, 57, 224-238.	1.2	290
153	GPR Prospecting Through an Inverse-Scattering Frequency-Hopping Multifocusing Approach. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 6573-6592.	2.7	73
154	Reconfigurable Electromagnetics through Metamaterials. International Journal of Antennas and Propagation, 2014, 2014, 1-2.	0.7	3
155	Multifrequency Bayesian compressive sensing methods for microwave imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2415.	0.8	23
156	System-by-design paradigm as applied to the synthesis of innovative field manipulation devices including task-oriented metamaterials. , 2014, , .		3
157	Wideband multilayer WAIM design and optimization. , 2014, , .		10
158	Inverse scattering problem of homogeneous dielectrics using Genetic Algorithms. , 2014, , .		1
159	Inverse scattering through Compressive Sensing. , 2014, , .		0
160	Optimized synthesis of wave-manipulating devices within the system-by-design paradigm. , 2014, , .		1
161	Crowd detection and occupancy estimation through indirect environmental measurements. , 2014, , .		14
162	Multi-scaling deterministic imaging for GPR survey. , 2014, , .		2

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163	An innovative Frequency Hopping multi-zoom inversion strategy for GPR subsurface imaging. , 2014, , .		0
164	System-by-design: A new paradigm for handling design complexity. , 2014, , .		53
165	Extended QCTO for innovative antenna system designs. , 2014, , .		0
166	Efficient synthesis of complex antenna devices through System-by-Design. , 2014, , .		1
167	Contiguously clustered linear arrays through Bayesian compressive sensing. , 2014, , .		0
168	Innovative CS imaging methods in transformed domains. , 2014, , .		0
169	On the role of evolutionary optimization within the System-by-Design approach for EM device synthesis. , 2014, , .		1
170	Dealing with EM functional optimization through new generation evolutionary-based methods. , 2014, , .		1
171	An SbD-QCTO Approach to the Synthesis of Isotropic Metamaterial Lenses. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1783-1786.	2.4	33
172	Electromagnetic subsurface prospecting by a fully nonlinear multifocusing inexact Newton method. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2618.	0.8	20
173	Non-destructive evaluation through a sparse reconstruction strategy. , 2014, , .		0
174	Electromagnetic subsurface prospecting by a multifocusing inexact Newton method within the second-order Born approximation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1167.	0.8	29
175	Design of tunable graphene-based antenna arrays for microwave applications. , 2014, , .		5
176	Array synthesis for optimal wireless power systems. , 2014, , .		0
177	GPR survey through a multi-resolution deterministic approach. , 2014, , .		2
178	Planar array diagnosis through compressive sensing: A preliminary assessment. , 2014, , .		3
179	Synthesis of linear multi-beam arrays through hierarchical almost difference set-based interleaving. IET Microwaves, Antennas and Propagation, 2014, 8, 794-808.	0.7	9
180	Design of thinned arrays with controlled sidelobes by ADS-CP strategy. , 2014, , .		0

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181	Compressive Sensing in electromagnetics: Theoretical foundations, recent advances, and applicative guidelines. , 2014, , .		3
182	A Total Variation compressive sensing technique for imaging large scatterers. , 2014, , .		3
183	Metasurface and metamaterial by design. , 2014, , .		1
184	A compressive sensing approach to NDE/NDT. , 2014, , .		1
185	Evolution of nature-inspired optimization for new generation antenna design. , 2014, , .		1
186	Failure correction in time- modulated linear arrays. IET Radar, Sonar and Navigation, 2014, 8, 195-201.	0.9	19
187	Distributed monitoring for energy consumption optimization in smart buildings. , 2014, , .		5
188	Design of multi-layer mantle cloaks. , 2014, , .		14
189	Imaging sparse scatterers through a multi-frequency CS approach. , 2014, , .		0
190	Semantic wireless localization enabling advanced services in museums. , 2014, , .		14
191	A frequency-tunable metamaterial-based antenna using a reconfigurable AMC groundplane. , 2014, , .		2
192	Probabilistic direction of arrival estimation through Bayesian compressive sensing. , 2014, , .		0
193	A Material-by-Design strategy for the design and optimization of multisurface-metamaterial polarizers. , 2014, , .		6
194	Metamaterial-enhanced arrays by innovative QCTO approaches. , 2014, , .		1
195	Generalized QCTO for Metamaterial-Lens-Coated Conformal Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 4089-4095.	3.1	38
196	Design of metamaterial-coated arrays through quasi-conformal transformation optics. , 2014, , .		6
197	Sparsening Conformal Arrays Through a Versatile \$BCS\$-Based Method. IEEE Transactions on Antennas and Propagation, 2014, 62, 1681-1689.	3.1	82
198	Compressive Sensing Imaging of Non-Sparse 2D Scatterers by a Total-Variation Approach Within the Born Approximation. IEEE Transactions on Antennas and Propagation, 2014, 62, 5157-5170.	3.1	99

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199	On the radiation properties of ADS-thinned dipole arrays. IEICE Electronics Express, 2014, 11, 20140569-20140569.	0.3	2
200	A Multi-Scaling Forward-Backward Time-Stepping Method for microwave imaging. IEICE Electronics Express, 2014, 11, 20140578-20140578.	0.3	3
201	Advances on remote wireless power transmission at the ELEDIA research center. , 2013, , .		2
202	Reconfigurable sum-difference pattern by means of parasitic elements for forward-looking monopulse radar. IET Radar, Sonar and Navigation, 2013, 7, 747-754.	0.9	18
203	Bayesian Compressive Sensing Approaches for the Reconstruction of Two-Dimensional Sparse Scatterers Under TE Illuminations. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 2920-2936.	2.7	79
204	Sparse scatterers imaging through approximated multitask compressive sensing strategies. Microwave and Optical Technology Letters, 2013, 55, 1553-1558.	0.9	37
205	Compressive Sensing Pattern Matching Techniques for Synthesizing Planar Sparse Arrays. IEEE Transactions on Antennas and Propagation, 2013, 61, 4577-4587.	3.1	127
206	Wireless Architectures for Heterogeneous Sensing in Smart Home Applications: Concepts and Real Implementation. Proceedings of the IEEE, 2013, 101, 2381-2396.	16.4	135
207	Maximum Efficiency Beam Synthesis of Radiating Planar Arrays for Wireless Power Transmission. IEEE Transactions on Antennas and Propagation, 2013, 61, 2490-2499.	3.1	112
208	Hybrid Design of Non-Regular Linear Arrays With Accurate Control of the Pattern Sidelobes. IEEE Transactions on Antennas and Propagation, 2013, 61, 6237-6242.	3.1	23
209	Directions-of-Arrival Estimation Through Bayesian Compressive Sensing Strategies. IEEE Transactions on Antennas and Propagation, 2013, 61, 3828-3838.	3.1	338
210	Array Designs for Long-Distance Wireless Power Transmission: State-of-the-Art and Innovative Solutions. Proceedings of the IEEE, 2013, 101, 1464-1481.	16.4	189
211	Bayesian Compressive Sensing as Applied to Directions-of-Arrival Estimation in Planar Arrays. Journal of Electrical and Computer Engineering, 2013, 2013, 1-12.	0.6	24
212	Imaging sparse metallic cylinders through a local shape function Bayesian compressive sensing approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1261.	0.8	39
213	A WSN-based architecture for the E-Museum - the experience at &#x201C;Sala dei 500&#x201D; in Palazzo Vecchio (Florence). , 2013, , .		7
214	Designing radiating systems through Interval Analysis tools. , 2013, , .		0
215	Imaging PEC through innovative compressive sensing approaches. , 2013, , .		0
216	Optimization of metamaterial WAIM for planar arrays. , 2013, , .		8

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