

Andrea Massa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

475
papers

10,674
citations

54
h-index

81
g-index

684
ext. papers

13,913
ext. citations

3.2
avg, IF

6.68
L-index

#	Paper	IF	Citations
475	Learned Global Optimization for Inverse Scattering Problems - Matching Global Search with Computational Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	4
474	Multi-Layered Coating Metasurfaces Enabling Frequency Reconfigurability in Wire Antenna. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022 , 3, 206-216	1.9	0
473	Capacity-Driven Low-Interference Fast Beam Synthesis for Next Generation Base Stations. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
472	Optimal Capacity-Driven Design of Aperiodic Clustered Phased Arrays for Multi-User MIMO Communication Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
471	Towards Efficient Reflectarray Digital Twins - An EM-Driven Machine Learning Perspective. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	2
470	Hilbert-Ordering Based Clustering of Complex-Excitations Linear Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	1
469	A Bayesian Compressive Sensing Approach to Robust Near-Field Antenna Characterization. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	
468	Planning of EM Skins for Improved Quality-of-Service in Urban Areas. <i>IEEE Transactions on Antennas and Propagation</i> , 2022 , 1-1	4.9	3
467	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3849-3862	4.9	5
466	Holographic Smart EM Skins for Advanced Beam Power Shaping in Next Generation Wireless Environments. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2021 , 6, 171-182	1.5	10
465	Pareto-Optimal Domino-Tiling of Orthogonal Polygon Phased Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
464	Nested Optimization for the Synthesis of Asymmetric Shaped Beam Patterns in Sub-Arrayed Linear Antenna Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
463	Designing Smart Electromagnetic Environments for Next-Generation Wireless Communications. <i>Telecom</i> , 2021 , 2, 213-221	1.8	10
462	. <i>IEEE Antennas and Propagation Magazine</i> , 2021 , 63, 39-51	1.7	17
461	On the Design of Complex EM Devices and Systems through the System-by-Design Paradigm - A Framework for Dealing with the Computational Complexity. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	10
460	System-by-Design Paradigm-Based Synthesis of Complex Systems: The Case of Spline-Contoured 3D Radomes. <i>IEEE Antennas and Propagation Magazine</i> , 2021 , 2-14	1.7	2
459	An Equivalent Circuit/System by Design Approach to the Design of Reflection-Type Dual-Band Circular Polarizers. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	0

458	. <i>IEEE Access</i> , 2021 , 9, 124313-124323	3.5	2
457	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 4504-4516	4.9	0
456	An Accelerated Total-Variation Compressive Sensing Approach to Field Strength Reconstruction. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 8244-8248	4.9	1
455	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7866-7878	4.9	8
454	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4437-4449	4.9	12
453	Teaching Electromagnetics to Next-Generation Engineers—the ELEDIA Recipe: The ELEDIA teaching style. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 62, 50-61	1.7	0
452	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4638-4647	4.9	10
451	Modular Design of Hexagonal Phased Arrays Through Diamond Tiles. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 3598-3612	4.9	9
450	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1234-1247	4.1	8
449	System-by-Design Multiscale Synthesis of Task-Oriented Reflectarrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2867-2882	4.9	19
448	Reliable Antenna Measurements in a Near-Field Cylindrical Setup With a Sparsity Promoting Approach. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 4143-4148	4.9	3
447	Real-Time Electrical Impedance Tomography of the Human Chest by Means of a Learning-by-Examples Method. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2019 , 3, 88-96	2.8	13
446	A nonlinear Kernel-based adaptive learning-by-examples method for robust NDT/NDE of conductive tubes. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 669-696	1.3	14
445	DNNs as Applied to Electromagnetics, Antennas, and Propagation—A Review. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2225-2229	3.8	79
444	Compressive Sensing-Based Born Iterative Method for Tomographic Imaging. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 1753-1765	4.1	16
443	A New Meta-Paradigm for the Synthesis of Antenna Arrays for Future Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3774-3788	4.9	16
442	Fast design of multiband fractal antennas through a system-by-design approach for NB-IoT applications. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019 , 2019,	3.2	11
441	Microwave Tomography System for Methodical Testing of Human Brain Stroke Detection Approaches. <i>International Journal of Antennas and Propagation</i> , 2019 , 2019, 1-9	1.2	21

440	Truncation-Error Reduction in Antenna Near-Field Measurements Using an Overcomplete Basis Representation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 283-287	3.8	3
439	A Total-Variation Sparseness-Promoting Method for the Synthesis of Contiguously Clustered Linear Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4589-4601	4.9	11
438	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2220-2224	3.8	3
437	Modular Phased Array Design Through a Tile-Dimension Tapering Approach 2019 ,		1
436	Unconventional M-MIMO Phased Array Design for 5G Wireless Systems 2019 ,		2
435	Innovative Machine Learning Techniques for Biomedical Imaging 2019 ,		3
434	System-by-design method for efficient linear array miniaturisation through low-complexity isotropic lenses. <i>Electronics Letters</i> , 2019 , 55, 433-434	1.1	5
433	. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 951-959	4.9	17
432	Progressive compressive sensing for exploiting frequency-diversity in GPR imaging. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1164-1193	1.3	7
431	Iterative classification strategy for multi-resolution wireless sensing of passive targets. <i>Electronics Letters</i> , 2018 , 54, 101-103	1.1	10
430	Compressive Sensing as Applied to Antenna Arrays: Synthesis, Diagnosis, and Processing 2018 ,		3
429	Antenna Measurements-by-Design for Antenna Qualification. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6300-6312	4.9	8
428	High Density Interconnect Microstrip Patch Antenna for 5G Base Stations with Integrated Filtering Performance. <i>Technologies</i> , 2018 , 6, 45	2.4	2
427	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3995-4007	4.9	34
426	Advanced Pulse Sequence Design in Time-Modulated Arrays for Cognitive Radio. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 898-902	3.8	22
425	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5879-5891	4.9	9
424	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5892-5906	4.9	19
423	Iterative Multiresolution Bayesian CS for Microwave Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3665-3677	4.9	9

4 ²²	Performance enhancement of linear active electronically scanned arrays by means of MbD-synthesized metalenses. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 927-955	1.3	2
4 ²¹	Learning-by-examples techniques as applied to electromagnetics. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 516-541	1.3	82
4 ²⁰	CS-based computational methods for inverse problems arising in arrays processing and design. <i>Journal of Physics: Conference Series</i> , 2018 , 1131, 012004	0.3	
4 ¹⁹	Pulse Sequence Optimization for Harmonic-Diversity Exploitation of Time-Modulated Arrays in Cognitive Radio Applications 2018 ,		1
4 ¹⁸	Computational methods for wireless structural health monitoring of cultural heritages. <i>Journal of Physics: Conference Series</i> , 2018 , 1131, 012005	0.3	
4 ¹⁷	Advanced statistical learning method for multi-physics NDT-NDE. <i>Journal of Physics: Conference Series</i> , 2018 , 1131, 012012	0.3	
4 ¹⁶	Phased Antenna Array Design using Shuffled Frog-Leaping Algorithm 2018 ,		1
4 ¹⁵	Dealing with Complexity in Electromagnetics through the System-by-Design Paradigm - New Strategies and Applications to the Design of Airborne Radomes 2018 ,		1
4 ¹⁴	Thinned Array Design via Autocorrelation Matching Strategy 2018 ,		1
4 ¹³	An Innovative Learning-by-Examples Method for Real-Time Electrical Impedance Tomography of the Human Chest 2018 ,		2
4 ¹²	Robust BCS-based Direction-of-Arrival and Bandwidth Estimation of Unknown Signals for Cognitive Radar 2018 ,		2
4 ¹¹	Diamond Tiling Optimization for Hexagonal Shaped Phased Arrays 2018 ,		6
4 ¹⁰	New Antenna Design Concept for Future Generation Wireless Communication Systems 2018 ,		3
4 ⁰⁹	Time-Modulated Arrays for Physical Layer Secure Communications: Optimization-Based Synthesis and Experimental Assessment. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6939-6949	4.9	18
4 ⁰⁸	An improved prediction based strategy for target tracking in wireless sensor networks. <i>International Journal of Internet Technology and Secured Transactions</i> , 2018 , 8, 453	0.6	
4 ⁰⁷	Design of Simplified Array Layouts for Preliminary Experimental Testing and Validation of Large AESAs. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6906-6920	4.9	8
4 ⁰⁶	Synthesis of Shaped Beam Reflectarrays With Constrained Geometry by Exploiting Nonradiating Surface Currents. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5805-5817	4.9	14
4 ⁰⁵	Material-by-Design Synthesis of Conformal Miniaturized Linear Phased Arrays. <i>IEEE Access</i> , 2018 , 6, 26367-26382		

404	S-Band Spline-Shaped Aperture-Stacked Patch Antenna for Air Traffic Control Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 4292-4297	4.9	8
403	Advanced multi-frequency GPR data processing for non-linear deterministic imaging. <i>Signal Processing</i> , 2017 , 132, 306-318	4.4	27
402	Color Compressive Sensing Imaging of Arbitrary-Shaped Scatterers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 1986-1999	4.1	36
401	Europe and the Future for WPT : European Contributions to Wireless Power Transfer Technology. <i>IEEE Microwave Magazine</i> , 2017 , 18, 56-87	1.2	34
400	Principal component analysis of CSI for the robust wireless detection of passive targets 2017 ,		5
399	Design of compact printed antennas for 5G base stations 2017 ,		4
398	Advanced learning-based approaches for reflectarrays design 2017 ,		5
397	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 3203-3213	4.9	36
396	Synthesis of Time-Modulated Frequency Diverse Arrays for Short-Range Multi-Focusing. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 282-294	7.5	48
395	Innovative array architectures for 5G communications 2017 ,		2
394	Real-time brain stroke detection through a learning-by-examples techniqueAn experimental assessment. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 2796-2799	1.2	24
393	Codesign of Unconventional Array Architectures and Antenna Elements for 5G Base Stations. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6752-6767	4.9	34
392	Advanced techniques for GPR microwave imaging: An experimental study 2017 ,		2
391	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 7063-7072	4.9	24
390	On the design of frequency diverse arrays for wireless power transmission 2017 ,		5
389	Long-distance WPT unconventional arrays synthesis. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1399-1420	1.3	5
388	Multiscale System-by-Design Synthesis of Printed WAIMs for Waveguide Array Enhancement. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2017 , 2, 84-96	1.5	22
387	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 4495-4510	4.9	38

386	Optimal synthesis of monopulse beamforming weights for airborne radars through convex optimization 2017 ,		3
385	Minkowski Sum Method for Planar Arrays Sensitivity Analysis With Uncertain-But-Bounded Excitation Tolerances. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 167-177	4.9	25
384	Multifrequency Particle Swarm Optimization for Enhanced Multiresolution GPR Microwave Imaging. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1305-1317	8.1	66
383	Inverse Scattering for Monochromatic Phaseless Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 45-60	5.2	10
382	Optimal Monopulse Beamforming for Side-Looking Airborne Radars. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1221-1224	3.8	11
381	Real time groove characterization combining partial least squares and SVR strategies: application to eddy current testing. <i>Journal of Physics: Conference Series</i> , 2017 , 904, 012017	0.3	7
380	Compressive Sensing as Applied to Inverse Problems for Imaging: Theory, Applications, Current Trends, and Open Challenges.. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 34-46	1.7	61
379	Design of mantle cloaks through a System-by-Design approach 2016 ,		1
378	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 6818-6832	8.1	49
377	EPJ Applied Metamaterials Special Issue on Metamaterial-by-Design: Theory, Methods, and Applications to Communications and Sensing□ <i>EPJ Applied Metamaterials</i> , 2016 , 3, E1	0.8	8
376	Enabling the optimization-based design of complex EM devices through the System-by-Design approach 2016 ,		1
375	Novel phaseless measurement inversion strategy for low-cost microwave imaging setup 2016 ,		1
374	Imaging complex targets through alphabet-based compressive sensing 2016 ,		2
373	A wireless monitoring system for phytosanitary treatment in smart farming applications 2016 ,		5
372	Compressive sensing as a new paradigm in wave scattering and propagation 2016 ,		2
371	Generalised interval-based analysis tool for pattern distortions in reflector antennas with bump-like surface deformations. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 909-916	1.6	7
370	Compressive Sensing as applied to Electromagnetics - challenges, solutions, and future trends 2016 ,		2
369	An adaptive Learning-by-Examples strategy for efficient Eddy Current Testing of conductive structures 2016 ,		3

368	Transformation Electromagnetics Miniaturization of Sectoral and Conical Metamaterial-Enhanced Horn Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1508-1513	4.9	11
367	. <i>Proceedings of the IEEE</i> , 2016 , 104, 544-560	14.3	169
366	Optimisation of excitation tolerances for robust beamforming in linear arrays. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 208-214	1.6	21
365	Power Pattern Sensitivity to Calibration Errors and Mutual Coupling in Linear Arrays through Circular Interval Arithmetics. <i>Sensors</i> , 2016 , 16,	3.8	19
364	Pulse sequence optimization in time-modulated arrays for secure communications 2016 ,		4
363	Scattering camouflage and manipulation using metasurfaces 2016 ,		1
362	CS-based computational imaging at microwave frequencies 2016 ,		2
361	The importance of nonlinear/electromagnetic co-simulation on time-modulated array synthesis 2016 ,		2
360	A computational method for the inversion of wide-band GPR measurements. <i>Journal of Physics: Conference Series</i> , 2016 , 756, 012008	0.3	0
359	Predicting antenna pattern degradations in microstrip reflectarrays through interval arithmetic. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 817-826	1.6	14
358	Synthesis of Modular Contiguously Clustered Linear Arrays Through a Sparseness-Regularized Solver. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4277-4287	4.9	46
357	Array Miniaturization Through QCTO-SI Metamaterial Radomes. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3465-3476	4.9	13
356	Wavelet-Based Compressive Imaging of Sparse Targets. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4889-4900	4.9	56
355	Dealing With Uncertainties on Phase Weighting of Linear Antenna Arrays by Means of Interval-Based Tolerance Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3229-3234	4.9	31
354	. <i>IEEE Antennas and Propagation Magazine</i> , 2015 , 57, 224-238	1.7	194
353	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 6573-6592	8.1	44
352	A learning-by-examples approach for non-destructive localization and characterization of defects through eddy current measurements 2015 ,		3
351	A comparative assessment of information-exploitation techniques for GPR data inversion. <i>Journal of Physics: Conference Series</i> , 2015 , 657, 012010	0.3	0

350	. <i>Proceedings of the IEEE</i> , 2015 , 103, 1034-1056	14.3	95
349	Synthesis of Multilayer WAIM Coatings for Planar-Phased Arrays Within the System-by-Design Framework. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2482-2496	4.9	50
348	Evolutionary optimization strategies applied to wireless fleet management in emergency scenarios 2015 ,		2
347	Complex radome design through the Systems-by-Design approach 2015 ,		1
346	Surrogate-Assisted Optimization of Metamaterial Devices for Advanced Antenna Systems 2015 ,		1
345	Wireless sensors for distributed monitoring of energy-efficient smart buildings 2015 ,		3
344	Multi-resolution subspace-based optimization method for solving three-dimensional inverse scattering problems. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 2218-26	1.8	12
343	Improved wireless localization of mobile devices in smart indoor scenarios 2015 ,		1
342	A System-by-Design approach for the synthesis of multi-layer mantle cloaks 2015 ,		2
341	Decision support for smart irrigation by means of wireless distributed sensors 2015 ,		12
340	Hybrid BCS-Deterministic Approach for Sparse Concentric Ring Isophoric Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 378-383	4.9	33
339	Design of multi-layer mantle cloaks 2014 ,		10
338	Decision support system for fleet management based on TETRA terminals geolocation 2014 ,		5
337	Semantic wireless localization enabling advanced services in museums 2014 ,		10
336	Interval Arithmetic for Pattern Tolerance Analysis of Parabolic Reflectors. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4952-4960	4.9	40
335	Tolerance analysis of antenna arrays through Interval Analysis 2014 ,		2
334	A Material-by-Design strategy for the design and optimization of multisurface-metamaterial polarizers 2014 ,		1
333	Optimal Synthesis of Robust Beamformer Weights Exploiting Interval Analysis and Convex Optimization. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3603-3612	4.9	29

332	Generalized QCTO for Metamaterial-Lens-Coated Conformal Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 4089-4095	4.9	26
331	Design of metamaterial-coated arrays through quasi-conformal transformation optics 2014 ,		1
330	Sparsening Conformal Arrays Through a Versatile $\text{\$BCS\$}$ -Based Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1681-1689	4.9	59
329	4-D Arrays as Enabling Technology for Cognitive Radio Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1102-1116	4.9	113
328	Compressive Sensing Imaging of Non-Sparse 2D Scatterers by a Total-Variation Approach Within the Born Approximation. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5157-5170	4.9	68
327	Multifrequency Bayesian compressive sensing methods for microwave imaging. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 2415-28	1.8	16
326	Wideband multilayer WAIM design and optimization 2014 ,		6
325	Inverse scattering problem of homogeneous dielectrics using Genetic Algorithms 2014 ,		1
324	Crowd detection and occupancy estimation through indirect environmental measurements 2014 ,		6
323	Advances in decision-making support tools for fleet management in emergency and security applications 2014 ,		4
322	Synthesis of robust beamforming weights in linear antenna arrays 2014 ,		4
321	System-by-design: A new paradigm for handling design complexity 2014 ,		31
320	Interval-based analysis of pattern distortions in reflector antennas with bump-like surface deformations. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 1277-1285	1.6	21
319	An SbD-QCTO Approach to the Synthesis of Isotropic Metamaterial Lenses. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1783-1786	3.8	17
318	Electromagnetic subsurface prospecting by a fully nonlinear multifocusing inexact Newton method. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 2618-29	1.8	8
317	Wireless monitoring of heterogeneous parameters in complex museum scenario 2014 ,		2
316	Electromagnetic subsurface prospecting by a multifocusing inexact Newton method within the second-order Born approximation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 1167-79	1.8	18
315	Advances in wildlife road-crossing early-alert system: New architecture and experimental validation 2014 ,		10

314	Tolerance analysis of reconfigurable monopulse linear antenna arrays using interval arithmetic 2014,			1
313	Semantic wireless localization for innovative indoor/outdoor services 2014,			1
312	Tolerance analysis with phase errors in linear arrays by means of Interval Arithmetic 2014,			2
311	Synthesis of linear multi-beam arrays through hierarchical almost difference set-based interleaving. <i>IET Microwaves, Antennas and Propagation, 2014, 8, 794-808</i>	1.6		7
310	Compressive Sensing in electromagnetics: Theoretical foundations, recent advances, and applicative guidelines 2014,			2
309	A Total Variation compressive sensing technique for imaging large scatterers 2014,			2
308	Evolution of nature-inspired optimization for new generation antenna design 2014,			1
307	Failure correction in time-modulated linear arrays. <i>IET Radar, Sonar and Navigation, 2014, 8, 195-201</i>	1.4		15
306	Interval-based tolerance analysis with localized surface errors in parabolic reflectors 2014,			1
305	Distributed monitoring for energy consumption optimization in smart buildings 2014,			4
304	Pulse-Shaping Strategy for Time Modulated Arrays Analysis and Design. <i>IEEE Transactions on Antennas and Propagation, 2013, 61, 3525-3537</i>	4.9		71
303	Advances on remote wireless power transmission at the ELEDIA research center 2013,			2
302	Reconfigurable sum-difference pattern by means of parasitic elements for forward-looking monopulse radar. <i>IET Radar, Sonar and Navigation, 2013, 7, 747-754</i>	1.4		14
301	Bayesian Compressive Sensing Approaches for the Reconstruction of Two-Dimensional Sparse Scatterers Under TE Illuminations. <i>IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 2920-2936</i>	8.1		54
300	Sparse scatterers imaging through approximated multitask compressive sensing strategies. <i>Microwave and Optical Technology Letters, 2013, 55, 1553-1558</i>	1.2		26
299	Analysis of the Pattern Tolerances in Linear Arrays With Arbitrary Amplitude Errors. <i>IEEE Antennas and Wireless Propagation Letters, 2013, 12, 639-642</i>	3.8		47
298	Compressive Sensing Pattern Matching Techniques for Synthesizing Planar Sparse Arrays. <i>IEEE Transactions on Antennas and Propagation, 2013, 61, 4577-4587</i>	4.9		94
297	Wireless Sensor Network Deployment for Monitoring Soil Moisture Dynamics at the Field Scale. <i>Procedia Environmental Sciences, 2013, 19, 426-435</i>			47

296	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5068-5077	4.9	29
295	. <i>Proceedings of the IEEE</i> , 2013 , 101, 2381-2396	14.3	112
294	Maximum Efficiency Beam Synthesis of Radiating Planar Arrays for Wireless Power Transmission. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2490-2499	4.9	74
293	Hybrid Design of Non-Regular Linear Arrays With Accurate Control of the Pattern Sidelobes. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 6237-6242	4.9	12
292	Tolerance Analysis of Antenna Arrays Through Interval Arithmetic. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5496-5507	4.9	66
291	Directions-of-Arrival Estimation Through Bayesian Compressive Sensing Strategies. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3828-3838	4.9	210
290	. <i>Proceedings of the IEEE</i> , 2013 , 101, 1464-1481	14.3	118
289	Bayesian Compressive Sensing as Applied to Directions-of-Arrival Estimation in Planar Arrays. <i>Journal of Electrical and Computer Engineering</i> , 2013 , 2013, 1-12	1.9	16
288	Imaging sparse metallic cylinders through a local shape function Bayesian compressive sensing approach. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013 , 30, 1261-1272	1.8	23
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5	A regularization approach to microwave imaging under the second-order Born approximation with real data		4
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3	Microwave imaging of cylindrical inhomogeneities based on an analytical forward solver and multiple illuminations		3
2	Detection of buried objects by an electromagnetic method based on a differential evolution approach		3
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