

# Tatsuo Itoh

## 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.

257  
papers

5,723  
citations

33  
h-index

70  
g-index

337  
ext. papers

7,339  
ext. citations

3.1  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
257	Two-Degree-of-Freedom Control of Field Distribution on Nonreciprocal Metamaterial-Line Resonators and Its Applications to Polarization-Plane-Rotation and Beam- Scanning Leaky-Wave Antennas. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 70, 50-61	4.1	2
256	A Millimeter-Wave Frequency Reconfigurable Fabry-Prot Cavity Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	0
255	High-Impedance Surface-Based Null-Steering Antenna for Angle-of-Arrival Estimation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	0
254	A Low-profile Fabry-Prot Cavity Antenna Using Anisotropic Metasurface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	0
253	Metamaterial-based, miniaturised circularly polarised antennas for RFID application. <i>IET Microwaves, Antennas and Propagation</i> , <b>2021</b> , 15, 547-559	1.6	2
252	Miniaturized Wideband CP Antenna Based on Metaresonator and CRLH-TLs for 5G New Radio Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 74-83	4.9	11
251	Miniaturized Circularly Polarized Periodically Structured Surface Antenna for RFID Application Inspired by SRR. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
250	Ultraminiature Circularly Polarized RFID Antenna Inspired by Crossed Split-Ring Resonator. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4196-4207	4.9	10
249	Electroacupuncture to Increase Neuronal Stem Cell Growth. <i>Medical Acupuncture</i> , <b>2020</b> , 32, 16-23	1.1	3
248	Planar Resonant Blazed Gratings From a Circuit Model Standpoint. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2765-2778	4.9	7
247	150-GHz CMOS TX/RX With Digitally Predistorted PAM-4 Modulation for Terahertz Contactless/Plastic Waveguide Communications. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2020</b> , 10, 370-382	3.4	2
246	Nonperiodic Metasurfaces for Retroreflection of TE/TM and Circularly Polarized Waves. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6193-6203	4.9	4
245	Transmission Line Metamaterial-Inspired Circularly Polarized RFID Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 964-968	3.8	3
244	Non-periodic Metasurface for Retroreflection of Circularly Polarized Wave <b>2019</b> ,		1
243	Demonstration of Dual-band Nonreciprocal Composite Right/Left-Handed Transmission Lines with Unidirectional Wavenumber Vectors <b>2019</b> ,		2
242	A COMPACT SINGLE-ELEMENT PATTERN RECONFIGURABLE ANTENNA WITH WIDE-ANGLE SCANNING TUNED BY A SINGLE VARACTOR. <i>Progress in Electromagnetics Research C</i> , <b>2019</b> , 92, 137-150	0.9	6
241	Dispersion-Free and Tunable Nonreciprocities in Composite Right-/Left-Handed Metamaterials and Their Applications to Beam Squint Reduction in Leaky-Wave Antennas. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 2227-2237	4.1	11

240	A Millimeter-Wave CMOS Transceiver With Digitally Pre-Distorted PAM-4 Modulation for Contactless Communications. <i>IEEE Journal of Solid-State Circuits</i> , <b>2019</b> , 54, 1600-1612	5.5	6
239	Compact Endfire Coupled-Mode Patch Antenna With Vertical Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5885-5891	4.9	7
238	DEVELOPMENT OF A CIRCULARLY POLARIZED HMSIW ANTENNA. <i>Progress in Electromagnetics Research Letters</i> , <b>2019</b> , 87, 81-87	0.5	4
237	Enhancement of inductance along metallic mesh wires in three-dimensional quasi-isotropic metamaterials using high- $\epsilon$ dielectric particles for impedance-matching with free space. <i>EPJ Applied Metamaterials</i> , <b>2019</b> , 6, 21	0.8	
236	Vivaldi Antenna With Pattern Diversity for 0.7 to 2.7 GHz Cellular Band Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 247-250	3.8	40
235	Beam Scanning Realized by Coupled Modes in a Single-Patch Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1077-1080	3.8	12
234	Low-Profile Dual-Band Filtering Antenna Using Common Planar Cavity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1081-1084	3.8	26
233	A New Cavity Resonance Assisted by Anisotropic Metasurfaces. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 3224-3233	4.1	5
232	Half-Mode Cavity-Based Planar Filtering Antenna With Controllable Transmission Zeroes. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 833-836	3.8	32
231	. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2018</b> , 37, 146-158	2.5	5
230	Enhancement of Phase-Shifting Nonreciprocity in Metamaterial Lines With Comb-Shaped Capacitive Stubs on the Normally Magnetized Ferrite Substrate. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	4
229	Low-Profile Diplexing Filter/Antenna Based on Common Radiating Cavity With Quasi-Elliptic Response. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1783-1787	3.8	21
228	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 2683-2696	4.1	12
227	Impulse response analysis of coherent waveguide communication. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2018</b> , 10, 101-113	0.8	1
226	Dual-Band Filtering Antenna With Novel Transmission Zero Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 2469-2473	3.8	11
225	Two-Dimensional Non-periodic Metasurface for Dual Polarization Retroreflection <b>2018</b> ,		1
224	Blazed Metasurface Grating with Handedness Preservation for Circularly Polarized Incident Wave <b>2018</b> ,		1
223	Terahertz Metasurface Quantum-Cascade VECSELs: Theory and Performance. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 1-12	3.8	14

222	A 60-GHz CMOS Transceiver With On-Chip Antenna and Periodic Near Field Directors for Multi-Gb/s Contactless Connector. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 404-406	2.6	13
221	Wide-band/angle Blazed Surfaces using Multiple Coupled Blazing Resonances. <i>Scientific Reports</i> , <b>2017</b> , 7, 42286	4.9	33
220	Impulse response analysis of carrier-modulated multiband RF-interconnect (MRFI). <i>Analog Integrated Circuits and Signal Processing</i> , <b>2017</b> , 93, 395-413	1.2	2
219	Enhancement of Phase-Shifting Nonreciprocity in Microstrip-Line-Based Metamaterials by Using a Combination of Their Curvatures and Asymmetrical Insertion of Stubs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 5123-5132	4.1	5
218	Open-End Microstrip Line Terminations Using Lossy Gray-Scale Inkjet Printing. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 4861-4870	4.1	8
217	A Multiharmonic Absorption Circuit Using Quasi-Multilayered Striplines for RF Power Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 109-118	4.1	7
216	Folded Strip/Slot Antenna With Extended Bandwidth for WLAN Application. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 673-676	3.8	24
215	Series Feed Networks for Dual-Polarized Frequency Scanning Phased Array Antenna Based on Composite Right/Left-Handed Transmission Line. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 5133-5143	4.1	10
214	Compact dual-band filtering antenna based on capacitor loaded patch radiator <b>2017</b> ,		2
213	Low-profile omnidirectional antennas based on pseudo-traveling-wave resonance using nonreciprocal metamaterials <b>2017</b> ,		2
212	Electronically-tunable resonant blazed metasurface grating <b>2017</b> ,		4
211	Metasurface quantum-cascade laser with electrically switchable polarization. <i>Optica</i> , <b>2017</b> , 4, 468	8.6	23
210	Broadband Continuous Tuning of a THz Quantum-Cascade VECSEL <b>2017</b> ,		2
209	Metasurface Terahertz Laser With Electronically-Controlled Polarization <b>2017</b> ,		1
208	Polarization Control by Using Anisotropic 3-D Chiral Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 4687-4694	4.9	18
207	Focusing metasurface quantum-cascade laser with a near diffraction-limited beam. <i>Optics Express</i> , <b>2016</b> , 24, 24117-24128	3.3	27
206	Resonant blazed metasurface gratings <b>2016</b> ,		8
205	Terahertz quantum cascade VECSEL <b>2016</b> ,		1

204	A compact branch line coupler using novel periodically grounded slow-wave structure <b>2016,</b>		7
203	Studies of realizing low side lobe levels of composite right/left-handed SIW leaky-wave antennas <b>2015,</b>		1
202	Metasurface external cavity laser. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 221105	3.4	52
201	Unit cell block including dielectric cube wrapped with metallic wire mesh for 3-D isotropic CRLH metamaterials <b>2015,</b>		1
200	Active diplexer based on isolation circuits imbedded low noise amplifiers <b>2015,</b>		2
199	Coaxial Right/Left-Handed Transmission Line for Electronic Beam Steering in the Slotted Waveguide Antenna Stiffened Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 773-778	4.1	2
198	Dispersion Analysis and Design of Planar Electromagnetic Bandgap Ground Plane for Broadband Common-Mode Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 772-774	2.6	19
197	Magnetic-Current-Loop-Induced Electric Dipole Antenna Based on Substrate Integrated Waveguide Cavity. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 519-522	3.8	11
196	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 1330-1342	4.1	64
195	A C-band tunable oscillator based on complementary coupled resonator using substrate integrated waveguide cavity <b>2014,</b>		13
194	Phase-constant-nonreciprocal composite right/left-handed metamaterials based on coplanar waveguides. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17E519	2.5	5
193	Active complementary coupled resonator for low phase noise X-band oscillator <b>2014,</b>		3
192	Beam antenna with circular polarization rotation switching based on passive components <b>2014,</b>		3
191	Study and analysis of contiguous channel triplexer based on combining method of two filtering circuits using CRLH and RH isolation circuits. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2014</b> , 6, 287-295	0.8	2
190	Study of high efficiency and low sidelobe level CRLH leaky-wave antenna based on short-end and tapered cells <b>2014,</b>		1
189	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 3148-3157	4.1	18
188	An alternative technique in designing a low-profile two-pole bandpass Frequency Selective Surface (FSS) using aperture coupling interlayer <b>2013,</b>		5
187	. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 593-595	2.6	24

186	Retrodirective Array Immune to Incident Waves With Arbitrary Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 6008-6013	4.9	3
185	Isotropic 3-D cubic CRLH metamaterials using dielectric resonators and metallic jungle gym structure <b>2013</b> ,		2
184	Dual-band leaky wave antenna with filtering capability based on extended-composite right/left-handed transmission lines <b>2013</b> ,		13
183	Active terahertz quantum-cascade composite right/left-handed metamaterial. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 021103	3.4	14
182	Tri-band isolation circuits using both stop-band and pass-band of double-Lorentz transmission lines for quadruplexers <b>2013</b> ,		2
181	A novel miniaturized polarization orthogonalizing active retrodirective antenna array for satellite use <b>2013</b> ,		4
180	Novel microstrip diplexer for ultra-wide-band (UWB) and wireless LAN (WLAN) bands. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 1338-1350	1.3	4
179	Leaky and bound modes in terahertz metasurfaces made of transmission-line metamaterials. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 033105	2.5	15
178	A power efficient active integrated antenna. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1240-1243		4
177	Combining method of two filtering circuits based on isolation circuits for five-channel multiplexers <b>2013</b> ,		1
176	Nonreciprocal metamaterial for non-squinting leaky-wave antenna with enhanced beam steering <b>2013</b> ,		10
175	Negative group delay circuit based on a multisection asymmetrical directional coupler <b>2013</b> ,		8
174	Single-layer fully-planar extended-composite right-/left-handed transmission lines based on substrate integrated waveguides for dual-band and quad-band applications. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2013</b> , 5, 213-220	0.8	9
173	Mode Analysis of Phase-Constant Nonreciprocity in Ferrite-Embedded CRLH Metamaterials. <i>IEICE Transactions on Electronics</i> , <b>2013</b> , E96.C, 1263-1272	0.4	8
172	Multilayered CRLH Metamaterials Using Magnetic Dipole-Like Resonant Dielectric Particles and Cut-Off TE Modes in Metallic Structures. <i>Additional Conferences (Device Packaging HiTEC HiTEN &amp; CICMT)</i> , <b>2013</b> , 2013, 000076-000084	0.1	
171	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 1027-1037	4.1	26
170	Mu-negative, double-negative, and composite right/left handed metamaterials based on dielectric resonators. <i>IEICE Electronics Express</i> , <b>2012</b> , 9, 65-80	0.5	4
169	Pseudo-Traveling-Wave Resonator With Magnetically Tunable Phase Gradient of Fields and Its Applications to Beam-Steering Antennas. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 3043-3054	4.1	34

168	Promising Future of Metamaterials. <i>IEEE Microwave Magazine</i> , <b>2012</b> , 13, 39-56	1.2	37
167	Leaky-Wave Antennas. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 2194-2206	14.3	269
166	Polarization friendly retrodirective antenna array <b>2012</b> ,		2
165	Hybrid combination of dual band isolation circuits based on conventional and CRLH transmission lines for triplexers <b>2012</b> ,		4
164	New approach to multi-stage directional filter based on band-reject filter design <b>2012</b> ,		4
163	Terahertz composite right-left handed transmission-line metamaterial waveguides. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 071101	3.4	14
162	A high gain active antenna array using dual-fed distributed amplifier-based CRLH-leaky wave antennas <b>2012</b> ,		2
161	Dual-Band Composite Right/Left-Handed Metamaterial Concept. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2012</b> , 22, 248-250	2.6	12
160	Dual-fed distributed amplifier-based CRLH-leaky wave antenna for gain-enhanced power combining <b>2012</b> ,		4
159	Design and Characterization of Miniaturized Patch Antennas Loaded With Complementary Split-Ring Resonators. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 772-785	4.9	210
158	Substrate Integrated Composite Right-/Left-Handed Leaky-Wave Structure for Polarization-Flexible Antenna Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 760-771	4.9	68
157	Multistage Directional Filter Based on Band-Reject Filter With Isolation Improvement Using Composite Right-/Left-Handed Transmission Lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2012</b> , 60, 3950-3958	4.1	9
156	Dielectric Field Enhancer for Reconfiguring the Beam Pattern and Gain of an Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 4426-4429	4.9	1
155	A dual-band oscillator with reconfigurable cavity-backed complementary split-ring resonator <b>2012</b> ,		11
154	Dual-Band Composite Right/Left-Handed (CRLH) Phased-Array Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 732-735	3.8	15
153	Nonreciprocal phase-shift CRLH transmission lines using geometrical asymmetry with periodically inserted double shunt stubs <b>2012</b> ,		2
152	Radiation Model for Terahertz Transmission-Line Metamaterial Quantum-Cascade Lasers. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2012</b> , 2, 323-332	3.4	29
151	Metamaterial-Based Antennas. <i>Proceedings of the IEEE</i> , <b>2012</b> , 100, 2271-2285	14.3	218

150	Planar Ultra-Wideband Antennas in Ku- and K-Band for Pattern or Polarization Diversity Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2886-2895	4.9	49
149	Miniaturized cavity-backed dual-polarized slot antenna <b>2012</b> ,		5
148	Transmission-line metamaterial antennas for THz quantum-cascade lasers <b>2012</b> ,		1
147	A simple self-powered AM-demodulator for wireless power/data transmission <b>2012</b> ,		3
146	Tri-band isolation circuits based on double-Lorentz transmission lines for quadruplexers <b>2012</b> ,		4
145	Novel fully-planar extended-composite right/left handed transmission line based on substrate integrated waveguide for multi-band applications <b>2012</b> ,		2
144	Dual-Band Multi-Pole Directional Filter for Microwave Multiplexing Applications. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 643-645	2.6	13
143	Compact and Tunable Slot-Loop Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 1394-1397	4.9	35
142	Miniaturized dual-band substrate integrated waveguide filters using complementary split-ring resonators <b>2011</b> ,		2
141	Composite Right/Left-Handed Substrate Integrated Waveguide and Half Mode Substrate Integrated Waveguide Leaky-Wave Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 767-775	4.9	202
140	Substrate Integrated Waveguide Loaded by Complementary Split-Ring Resonators for Miniaturized Diplexer Design. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 10-12	2.6	80
139	Gain-enhanced distributed amplifier-based CRLH-leaky wave antenna for quasi-resonant power recycling scheme <b>2011</b> ,		1
138	Compact Circularly-Polarized Patch Antenna Loaded With Metamaterial Structures. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4329-4333	4.9	132
137	Evolution of Composite Right/Left-Handed Leaky-Wave Antennas. <i>Proceedings of the IEEE</i> , <b>2011</b> , 99, 1746-1754	14.3	32
136	Corrections to Impedance-Transforming Symmetric and Asymmetric DC Blocks [Sep 10 2463-2474]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 207-207	4.1	5
135	Compact Quarter-Wave Resonator and Its Applications to Miniaturized Diplexer and Triplexer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 260-269	4.1	82
134	Zeroth-Order Resonators With Variable Reactance Loads at Both Ends. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 612-618	4.1	8
133	Very Compact and Low-Profile LTCC Unbalanced-to-Balanced Filters With Hybrid Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 1925-1936	4.1	16



132	Multilayer Planar Tunable Filter With Very Wide Tuning Bandwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2011</b> , 59, 2864-2871	4.1	39
131	Antenna Miniaturization Using Slow Wave Enhancement Factor from Loaded Transmission Line Models. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 48-57	4.9	55
130	Miniaturized zeroth order resonance antenna over a reactive impedance surface <b>2011</b> ,		5
129	New Approach to Hybrid Multiplexer Using Composite Right-Left Handed Lines. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2011</b> , 21, 580-582	2.6	7
128	Terahertz quantum-cascade laser with active leaky-wave antenna. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 14113-14	3.5	26
127	Development of a Dual Composite Right / Left Handed (D-CRLH) Differential Transmission Line Common Mode Filter. <i>IEEJ Transactions on Fundamentals and Materials</i> , <b>2011</b> , 131, 517-522	0.2	
126	Multilayered Volumetric Composite Right/Left Handed Metamaterial Structures Composed of Dielectric Resonators and Parallel Mesh Plates. <i>IEICE Transactions on Electronics</i> , <b>2010</b> , E93-C, 1063-1071	0.4	1
125	Optimization and Modeling of Sparse Conformal Retrodirective Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 977-981	4.9	11
124	Lumped isolation circuits for improvement of matching and isolation in three-port balun band-pass filter <b>2010</b> ,		1
123	Dual-mode leaky-wave excitation in symmetric composite right/left-handed structure with center vias <b>2010</b> ,		5
122	New Isolation Circuits of Compact Impedance-Transforming 3-dB Baluns for Theoretically Perfect Isolation and Matching. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> ,	4.1	13
121	Coupled Composite Right/Left-Handed Leaky-Wave Transmission Lines Based on Common/Differential-Mode Analysis. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> ,	4.1	7
120	Circularly polarized composite right/left-handed leaky-wave antenna <b>2010</b> ,		2
119	Application of composite right/left-handed half-mode substrate integrated waveguide to the design of a dual-band rat-race coupler <b>2010</b> ,		2
118	Super Compact Low-Temperature Co-Fired Ceramic Bandpass Filters Using the Hybrid Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 2896-2907	4.1	22
117	High Isolation and Compact Diplexer Using the Hybrid Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2010</b> , 20, 551-553	2.6	109
116	Miniaturized Substrate Integrated Waveguide Slot Antennas Based on Negative Order Resonance. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2010</b> , 58, 3856-3864	4.9	110
115	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 1401-1409	4.1	21

114	Metamaterial-inspired broadband mushroom antenna <b>2010</b> ,		1
113	Anisotropic 3-D Composite Right/Left-Handed Metamaterial Structures Using Dielectric Resonators and Conductive Mesh Plates. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 1766-1773	4.1	8
112	Approach of Metamaterial-Based Quarter-Wave Resonator and Its Application to Very Compact LTCC Bandpass Filter. <i>IEICE Transactions on Electronics</i> , <b>2010</b> , E93-C, 1078-1088	0.4	2
111	Compact Hybrid Resonator With Series and Shunt Resonances Used in Miniaturized Filters and Balun Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 390-402	4.1	67
110	Impedance-Transforming Symmetric and Asymmetric DC Blocks. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 2463-2474	4.1	34
109	Zero-Index Terahertz Quantum-Cascade Metamaterial Lasers. <i>IEEE Journal of Quantum Electronics</i> , <b>2010</b> , 46, 1091-1098	2	25
108	Dual-mode tunable filter with simple bandwidth control scheme <b>2009</b> ,		4
107	Novel diplexer synthesis using the composite right/left-handed phase-advance/delay lines <b>2009</b> ,		4
106	Composite right/left-handed leaky-wave antenna for concave surfaces <b>2009</b> ,		2
105	Substrate Integrated Waveguide Loaded by Complementary Split-Ring Resonators and Its Applications to Miniaturized Waveguide Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2009</b> , 57, 2211-2223	4.1	224
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102	Composite right/left-handed substrate integrated waveguide and half-mode substrate integrated waveguide <b>2009</b> ,		16
101	Electronically controlled metamaterial-based leaky-wave transmission-line for conformal surface applications <b>2009</b> ,		7
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92	Metamaterial-Based Components for a Compact Dual-Band Beam Pattern Diversity System <b>2008,</b>		3
91	Widely tunable stacked microstrip antenna using varactor diodes <b>2008,</b>		4
90	Dispersion engineered metamaterial-based transmission line for conformal surface application <b>2008,</b>		19
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72	A Sparse Ka-Band Digital Beamforming Integrated Receiver Array <b>2006</b> ,		5
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70	Power combining oscillator array using metamaterial based injection locking coupling network <b>2006</b> ,		1
69	Compact Dual-Band Antenna Using an Anisotropic Metamaterial <b>2006</b> ,		15
68	Metamaterial Transmission Line Based Bandstop and Bandpass Filter Designs Using Broadband Phase Cancellation <b>2006</b> ,		9
67	Dual-Band Bandpass and Bandstop Filters Using Composite Right/Left-Handed Metamaterial Transmission Lines <b>2006</b> ,		28
66	Leaky-Wave Steering in a Two-Dimensional Metamaterial Structure Using Wave Interaction Excitation <b>2006</b> ,		7
65	X-band Left Handed Phase Shifter using Thin Film Ba <sub>0.25</sub> SR <sub>0.75</sub> TiO <sub>3</sub> Ferroelectric Varactors <b>2006</b> ,		10
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