

Sungjoon Lim

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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.

195
papers

3,720
citations

34
h-index

52
g-index

220
ext. papers

4,756
ext. citations

3.6
avg, IF

6.56
L-index

#	Paper	IF	Citations
195	Metamaterial-based electronically controlled transmission-line structure as a novel leaky-wave antenna with tunable radiation angle and beamwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 2678-2690	4.1	177
194	Metamaterial-based electronically controlled transmission-line structure as a novel leaky-wave antenna with tunable radiation angle and beamwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 161-173	4.1	137
193	Polarization-Independent and Ultrawideband Metamaterial Absorber Using a Hexagonal Artificial Impedance Surface and a Resistor-Capacitor Layer. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2652-2658	4.9	134
192	Compact Coplanar Waveguide (CPW)-Fed Zeroth-Order Resonant Antennas With Extended Bandwidth and High Efficiency on Vialess Single Layer. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 363-372	4.9	124
191	Complementary Split-Ring Resonator-Loaded Microfluidic Ethanol Chemical Sensor. <i>Sensors</i> , 2016 , 16,	3.8	114
190	Review of Recent Metamaterial Microfluidic Sensors. <i>Sensors</i> , 2018 , 18,	3.8	104
189	Monopole-Like and Boresight Pattern Reconfigurable Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5854-5859	4.9	103
188	Electronically scanned composite right/left handed microstrip leaky-wave antenna. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 277-279	2.6	90
187	Incident Angle- and Polarization-Insensitive Metamaterial Absorber using Circular Sectors. <i>Scientific Reports</i> , 2016 , 6, 27155	4.9	72
186	Review of Recent Phased Arrays for Millimeter-Wave Wireless Communication. <i>Sensors</i> , 2018 , 18,	3.8	68
185	Review of Recent Inkjet-Printed Capacitive Tactile Sensors. <i>Sensors</i> , 2017 , 17,	3.8	64
184	Angular- and Polarization-Insensitive Metamaterial Absorber Using Subwavelength Unit Cell in Multilayer Technology. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 414-417	3.8	63
183	A Study of Ultra-Thin Single Layer Frequency Selective Surface Microwave Absorbers With Three Different Bandwidths Using Double Resonance. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 221-230	4.9	61
182	Angle- and polarization-insensitive broadband metamaterial absorber using resistive fan-shaped resonators. <i>Applied Physics Letters</i> , 2018 , 112, 021605	3.4	59
181	Microfluidic Eighth-Mode Substrate-Integrated-Waveguide Antenna for Compact Ethanol Chemical Sensor Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3218-3222	4.9	58
180	Angle- and Polarization-Insensitive Metamaterial Absorber using Via Array. <i>Scientific Reports</i> , 2016 , 6, 39686	4.9	55
179	Recent advances in noninvasive flexible and wearable wireless biosensors. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111422	11.8	52

178	Wideband-Switchable Metamaterial Absorber Using Injected Liquid Metal. <i>Scientific Reports</i> , 2016 , 6, 31823	4.9	52
177	Electrically Small Eighth-Mode Substrate-Integrated Waveguide (EMSIW) Antenna With Different Resonant Frequencies Depending on Rotation of Complementary Split Ring Resonator. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4933-4939	4.9	52
176	Wide Incidence Angle-Insensitive Metamaterial Absorber for Both TE and TM Polarization using Eight-Circular-Sector. <i>Scientific Reports</i> , 2017 , 7, 3204	4.9	51
175	High-Q and miniaturized complementary split ring resonator-loaded substrate integrated waveguide microwave sensor for crack detection in metallic materials. <i>Sensors and Actuators A: Physical</i> , 2014 , 214, 25-30	3.9	50
174	Circular/Linear Polarization Reconfigurable Antenna on Simplified RF-MEMS Packaging Platform in K-Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 5039-5045	4.9	47
173	Electromagnetic-based ethanol chemical sensor using metamaterial absorber. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 173-180	8.5	44
172	A Fluidically Tunable Metasurface Absorber for Flexible Large-Scale Wireless Ethanol Sensor Applications. <i>Sensors</i> , 2016 , 16,	3.8	43
171	Frequency-tunable metamaterial absorber using a varactor-loaded fishnet-like resonator. <i>Applied Optics</i> , 2016 , 55, 4113-8	0.2	40
170	Frequency-Switchable Metamaterial Absorber Injecting Eutectic Gallium-Indium (EGaIn) Liquid Metal Alloy. <i>Sensors</i> , 2015 , 15, 28154-65	3.8	39
169	Microfluidic tunable inkjet-printed metamaterial absorber on paper. <i>Optics Express</i> , 2015 , 23, 110-20	3.3	37
168	A reflectodirective system using a composite right/left-handed (CRLH) leaky-wave antenna and heterodyne mixing. <i>IEEE Microwave and Wireless Components Letters</i> , 2004 , 14, 183-185	2.6	37
167	Design of Metamaterial Absorber using Eight-Resistive-Arm Cell for Simultaneous Broadband and Wide-Incidence-Angle Absorption. <i>Scientific Reports</i> , 2018 , 8, 6633	4.9	36
166	A Beam-Steering Antenna With a Fluidically Programmable Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 3704-3711	4.9	34
165	Flexible liquid metal-filled metamaterial absorber on polydimethylsiloxane (PDMS). <i>Optics Express</i> , 2015 , 23, 21375-83	3.3	34
164	Flexible inkjet-printed metamaterial absorber for coating a cylindrical object. <i>Optics Express</i> , 2015 , 23, 5898-906	3.3	34
163	Electronically Switchable Broadband Metamaterial Absorber. <i>Scientific Reports</i> , 2017 , 7, 4891	4.9	34
162	Novel Multifunctional Reconfigurable Active Frequency Selective Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1709-1718	4.9	34
161	Bandwidth-enhanced and Wide-angle-of-incidence Metamaterial Absorber using a Hybrid Unit Cell. <i>Scientific Reports</i> , 2017 , 7, 14814	4.9	33

160	Stretchable Complementary Split Ring Resonator (CSRR)-Based Radio Frequency (RF) Sensor for Strain Direction and Level Detection. <i>Sensors</i> , 2016 , 16,	3.8	31
159	Perforated Lightweight Broadband Metamaterial Absorber Based on 3-D Printed Honeycomb. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2379-2383	3.8	31
158	Silver Nanoparticle-Based Inkjet-Printed Metamaterial Absorber on Flexible Paper. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1718-1721	3.8	29
157	A Multifunctional Reconfigurable Frequency-Selective Surface Using Liquid-Metal Alloy. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 4953-4957	4.9	29
156	Microfluidic High-Q Circular Substrate-Integrated Waveguide (SIW) Cavity for Radio Frequency (RF) Chemical Liquid Sensing. <i>Sensors</i> , 2018 , 18,	3.8	29
155	Electrically Small Dual-Band Reconfigurable Complementary Split-Ring Resonator (CSRR)-Loaded Eighth-Mode Substrate Integrated Waveguide (EMSIW) Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2368-2373	4.9	29
154	Microfluidic Biosensor Based on Microwave Substrate-Integrated Waveguide Cavity Resonator. <i>Journal of Sensors</i> , 2018 , 2018, 1-13	2	29
153	Fluidically Reconfigurable Multifunctional Frequency-Selective Surface With Miniaturization Characteristic. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3857-3865	4.1	27
152	Microfluidically Polarization-Switchable Metasurfaced Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 2255-2259	3.8	26
151	Frequency-Tunable Compact Antenna Using Quarter-Mode Substrate Integrated Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1606-1609	3.8	25
150	Microwave Chemical Sensor Using Substrate-Integrated-Waveguide Cavity [corrected]. <i>Sensors</i> , 2016 , 16,	3.8	25
149	Active Frequency Selective Surface to Switch Between Absorption and Transmission Band With Additional Frequency Tuning Capability. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 6059-6067	4.9	24
148	Ultrawideband Electromagnetic Absorber Using Sandwiched Broadband Metasurfaces. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1887-1891	3.8	24
147	Stretchable Metamaterial Absorber Using Liquid Metal-Filled Polydimethylsiloxane (PDMS). <i>Sensors</i> , 2016 , 16,	3.8	24
146	Active metasurface for controlling reflection and absorption properties. <i>Applied Physics Express</i> , 2014 , 7, 112204	2.4	23
145	Low-Cost Circularly Polarized Origami Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2026-2029	3.8	22
144	Recent advances in the metamaterial-inspired biosensors. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 398-402	4.2	22
143	Simultaneous Detection of Two Chemicals Using a TE-Mode Substrate-Integrated Waveguide Resonator. <i>Sensors</i> , 2018 , 18,	3.8	20

142	Miniaturized Metamaterial Absorber Using Three-Dimensional Printed Stair-Like Jerusalem Cross. <i>IEEE Access</i> , 2018 , 6, 43654-43659	3.5	20
141	Millimeter-Wave Continuous Transverse Stub (CTS) Antenna Array Using Substrate Integrated Waveguide (SIW) Technology. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5497-5503	4.9	19
140	Metamaterial Inspired Radio Frequency-Based Touchpad Sensor System. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 1344-1352	5.2	19
139	60 GHz Compact Larger Beam Scanning Range PCB Leaky-Wave Antenna Using HMSIW for Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 5816-5826	4.9	18
138	Compact Frequency-Reconfigurable Half-Mode Substrate-Integrated Waveguide Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 951-954	3.8	18
137	Miniaturized Circular Polarized TE T_{10} -Mode Substrate-Integrated-Waveguide Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 658-661	3.8	18
136	Four-Mode Programmable Metamaterial Using Ternary Foldable Origami. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28554-28561	9.5	17
135	A Novel High-Gain Tetrahedron Origami. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 848-858	5.8	17
134	Low-Cost and Lightweight 3D-Printed Split-Ring Resonator for Chemical Sensing Applications. <i>Sensors</i> , 2018 , 18,	3.8	17
133	Transformation from 2D meta-pixel to 3D meta-pixel using auxetic kirigami for programmable multifunctional electromagnetic response. <i>Extreme Mechanics Letters</i> , 2020 , 36, 100670	3.9	16
132	Inkjet-Printed Electromagnet-Based Touchpad Using Spiral Resonators. <i>Journal of Microelectromechanical Systems</i> , 2016 , 25, 947-953	2.5	16
131	TM Quarter-Mode Substrate-Integrated Waveguide Resonator for Dual Detection of Chemicals. <i>Sensors</i> , 2018 , 18,	3.8	16
130	SRR- and CSRR-loaded ultra-wideband (UWB) antenna with tri-band notch capability. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 2190-2197	1.3	16
129	Flexible subterahertz metamaterial absorber fabrication using inkjet printing technology. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	16
128	Subwavelength Metamaterial Unit Cell for Low-Frequency Electromagnetic Absorber Applications. <i>Scientific Reports</i> , 2018 , 8, 16774	4.9	16
127	. <i>IEEE Access</i> , 2019 , 7, 87907-87915	3.5	15
126	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1598-1601	3.8	15
125	Review of reconfigurable substrate-integrated-waveguide antennas. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 1815-1833	1.3	15

124	A Dual Band Frequency Reconfigurable Origami Magic Cube Antenna for Wireless Sensor Network Applications. <i>Sensors</i> , 2017 , 17,	3.8	15
123	A Novel Fluid-Reconfigurable Advanced and Delayed Phase Line Using Inkjet-Printed Microfluidic Composite Right/Left-Handed Transmission Line. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 142-144	2.6	15
122	A Deployable Quasi-Yagi Monopole Antenna Using Three Origami Magic Spiral Cubes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 147-151	3.8	15
121	Thermal Frequency Reconfigurable Electromagnetic Absorber Using Phase Change Material. <i>Sensors</i> , 2018 , 18,	3.8	15
120	Broadband frequency-reconfigurable metamaterial absorber using switchable ground plane. <i>Scientific Reports</i> , 2018 , 8, 9226	4.9	15
119	A Stretchable Electromagnetic Absorber Fabricated Using Screen Printing Technology. <i>Sensors</i> , 2017 , 17,	3.8	14
118	Frequency-Switchable Microfluidic CSRR-Loaded QMSIW Band-Pass Filter Using a Liquid Metal Alloy. <i>Sensors</i> , 2017 , 17,	3.8	14
117	Review of Electromagnetic-Based Crack Sensors for Metallic Materials (Recent Research and Future Perspectives). <i>Metals</i> , 2016 , 6, 172	2.3	14
116	Low-cost metamaterial absorber using three-dimensional circular truncated cone. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1622-1630	1.2	14
115	Reconfigurable Metasurfaces for Frequency Selective Absorption. <i>Advanced Optical Materials</i> , 2020 , 8, 1902182	8.1	13
114	Fluidically Switchable Metasurface for Wide Spectrum Absorption. <i>Scientific Reports</i> , 2018 , 8, 10169	4.9	13
113	A Miniaturized Bandpass Frequency Selective Surface Exploiting Three-Dimensional Printing Technique. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1322-1326	3.8	13
112	A Stretchable Radio-Frequency Strain Sensor Using Screen Printing Technology. <i>Sensors</i> , 2016 , 16,	3.8	13
111	Leaky-wave antenna design using quarter-mode substrate-integrated waveguide. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1234-1236	1.2	12
110	Dual-Band Band-Pass Filter with Fixed Low Band and Fluidically-Tunable High Band. <i>Sensors</i> , 2017 , 17,	3.8	12
109	Meta-Dome for Broadband Radar Absorbing Structure. <i>Scientific Reports</i> , 2018 , 8, 17893	4.9	12
108	Textile metamaterial absorber using screen printed chanel logo. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 1424-1427	1.2	11
107	Paper-Based Capacitive Touchpad Using Home Inkjet Printer. <i>Journal of Display Technology</i> , 2016 , 12, 1411-1416		11

106	Liquid-Metal-Fluidically Switchable Metasurface for Broadband and Polarization-Insensitive Absorption. <i>IEEE Access</i> , 2018 , 6, 40854-40859	3.5	11
105	Frequency-Reconfigurable Antenna Inspired by Origami Flasher. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1691-1695	3.8	11
104	Complementary Split-Ring Resonator (CSRR)-Loaded Sensor Array to Detect Multiple Cracks: Shapes, Sizes, and Positions on Metallic Surface. <i>IEEE Access</i> , 2020 , 8, 151804-151816	3.5	11
103	Directivity and Diversity Dual-Mode Stacked Antenna Array Using Directors of Yagi-Uda Antenna as Monopole Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 575-578	3.8	10
102	Novel ethanol chemical sensor using microfluidic metamaterial 2015 ,		10
101	Pattern Switchable Antenna System Using Inkjet-Printed Directional Bow-Tie for Bi-Direction Sensing Applications. <i>Sensors</i> , 2015 , 15, 31171-9	3.8	10
100	Foldable thin electro-textile antenna array for 4 × multiple-input multiple-output mobile router applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2015 , 29, 375-385	1.3	9
99	Novel Capacitor-Loaded Substrate-Integrated-Waveguide Structure and Its Electronically Controlled Leaky-Wave Antenna Application. <i>Electromagnetics</i> , 2014 , 34, 585-592	0.8	9
98	Inkjet printed kirigami inspired split ring resonator for disposable, low cost strain sensor applications. <i>Smart Materials and Structures</i> , 2020 , 29, 015016	3.4	9
97	Low-cost and miniaturized metamaterial absorber using 3D printed swastika symbol. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 1709-1715	1.2	9
96	Dynamically Self-Reconfigurable Multifunctional All-Passive Metasurface. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42393-42402	9.5	9
95	Review on recent origami inspired antennas from microwave to terahertz regime. <i>Materials and Design</i> , 2021 , 198, 109345	8.1	9
94	Planar Inverted-F Antenna (PIFA) Using Microfluidic Impedance Tuner. <i>Sensors</i> , 2018 , 18,	3.8	9
93	Mechanically actuated frequency reconfigurable metamaterial absorber. <i>Sensors and Actuators A: Physical</i> , 2019 , 299, 111619	3.9	8
92	Frequency-switchable half-mode substrate-integrated waveguide antenna injecting eutectic gallium indium (EGaIn) liquid metal alloy. <i>Journal of Electromagnetic Waves and Applications</i> , 2015 , 29, 2207-2215	1.3	8
91	Hybrid (3D and inkjet) printed electromagnetic pressure sensor using metamaterial absorber. <i>Additive Manufacturing</i> , 2020 , 35, 101405	6.1	8
90	Low-Profile Pattern-Reconfigurable Antenna with Vertical and Horizontal Shorting Lines in Grounded CPW Technology. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1589-1592	3.8	8
89	Switchable Bandpass/Bandstop Filter Using Liquid Metal Alloy as Fluidic Switch. <i>Sensors</i> , 2019 , 19,	3.8	7

88	Compact right-angled triangle-shaped eighth-mode substrate-integrated waveguide antenna. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 690-694	1.2	7
87	Transformation from a Single Antenna to a Series Array Using Push/Pull Origami. <i>Sensors</i> , 2017 , 17,	3.8	7
86	Switchable Composite Right/Left-Handed (S-CRLH) Transmission Line Using MEMS Switches. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 804-806	2.6	7
85	Dipole- and loop-mode switchable origami paper antenna. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 668-672	1.2	7
84	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 1140-1145	4.9	7
83	Thermally Beam-Direction- and Beamwidth-Switchable Monopole Antenna Using Origami Reflectors With Smart Shape Memory Polymer Hinges. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1696-1700	3.8	6
82	Ultra-wideband tunable resonator based on varactor-loaded complementary split-ring resonators on a substrate-integrated waveguide for microwave sensor applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013 , 60, 657-60	3.2	6
81	Microfluidically Frequency-Reconfigurable Quasi-Yagi Dipole Antenna. <i>Sensors</i> , 2018 , 18,	3.8	6
80	Recent progress in angle-insensitive narrowband and broadband metamaterial absorbers. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 12	0.8	5
79	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7255-7265	4.9	5
78	Frequency reconfigurable antenna actuated by three-storey tower kirigami. <i>Extreme Mechanics Letters</i> , 2020 , 39, 100833	3.9	5
77	. <i>IEEE Access</i> , 2020 , 8, 9513-9519	3.5	5
76	Bioinspired DNA Origami Quasi-Yagi Helical Antenna with Beam Direction and Beamwidth Switching Capability. <i>Scientific Reports</i> , 2019 , 9, 14312	4.9	5
75	Electric and Magnetic Mode-Switchable Dual Antenna for Null Compensation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 300-303	3.8	5
74	Reusable EGain-Injected Substrate-Integrated-Waveguide Resonator for Wireless Sensor Applications. <i>Sensors</i> , 2015 , 15, 28563-73	3.8	5
73	Frequency reconfigurable metamaterial resonant antenna 2009 ,		5
72	Electronically-controlled metamaterial-based transmission line as a continuous-scanning leaky-wave antenna		5
71	Tunable Higher Order Mode-Based Dual-Beam CRLH Microstrip Leaky-Wave Antenna for V-Band Backward/Broadside/Forward Radiation Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6912-6922	4.9	5

70	A multiple liquid metal switching mechanism in a single flow microfluidic channel as a reconfigurable bandpass filter. <i>Physics of Fluids</i> , 2020 , 32, 102002	4.4	5
69	High-efficiency and compact metamaterial-inspired 900 MHz rectifier. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2016 , 50, 168-181	1.4	5
68	Military field deployable antenna using origami 2017 ,		4
67	Inkjet-printed 3D Hilbert-curve fractal antennas for VHF band. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 1698-1704	1.2	4
66	Bi-Directional Loop Antenna Array Using Magic Cube Origami. <i>Sensors</i> , 2019 , 19,	3.8	4
65	A Compact Crossed Inverted-V Antenna with a Common Reflector for Polarization Diversity in the IoT. <i>Electronics (Switzerland)</i> , 2019 , 8, 637	2.6	4
64	Gain-Enhanced Metamaterial Absorber-Loaded Monopole Antenna for Reduced Radar Cross-Section and Back Radiation. <i>Materials</i> , 2020 , 13,	3.5	4
63	Planar quasi-isotropic antenna for drone communication. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1290-1295	1.2	4
62	2.4-GHz High-Efficiency Rectenna Using an In-Phase Partially Reflective Surface and High-Order Harmonic Reject Bandpass Filter. <i>Electromagnetics</i> , 2014 , 34, 463-473	0.8	4
61	Ultrawideband compact U-shaped antenna with inserted narrow strip and inverted T-shaped slot. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2265-2269	1.2	4
60	Flexible inkjet-printed metamaterial paper absorber 2014 ,		4
59	Switchable electromagnetic metamaterial reflector/absorber 2012 ,		4
58	Compact magnetic coupled resonator with high efficiency during misaligned wireless power transmission. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 1942-1948	1.3	4
57	Multi-Beam Leaky-Wave Antenna: Design, Analysis, and Experiments. <i>Electromagnetics</i> , 2011 , 31, 247-257.8	3.8	4
56	DNA-inspired frequency reconfigurable origami antenna using segmented rotation technique. <i>Smart Materials and Structures</i> , 2021 , 30, 015004	3.4	4
55	Stretchable screen-printed metasurfaces for wireless strain sensing applications. <i>Extreme Mechanics Letters</i> , 2020 , 41, 100998	3.9	4
54	All-Dielectric Transparent Metamaterial Absorber With Encapsulated Water. <i>IEEE Access</i> , 2020 , 8, 175998-176004	3.5	4
53	Electrically Conformal Antenna Array With Planar Multipole Structure for 2-D Wide Angle Beam Steering. <i>IEEE Access</i> , 2020 , 8, 157261-157269	3.5	4

52	Low-Loss and Light Substrate Integrated Waveguide Using 3D Printed Honeycomb Structure. <i>Materials</i> , 2019 , 12,	3.5	4
51	High-Gain Conical-Beam Planar Antenna for Millimeter-Wave Drone Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4
50	Liquid-metal-fluidically polarization reconfigurable microstrip patch antenna. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2306-2314	1.2	3
49	Additively manufactured electromagnetic based planar pressure sensor using substrate integrated waveguide technology. <i>Additive Manufacturing</i> , 2020 , 34, 101225	6.1	3
48	Design and Analysis of Active Metamaterial Modulated by RF Power Level. <i>Scientific Reports</i> , 2020 , 10, 8703	4.9	3
47	Review of Batteryless Wireless Sensors Using Additively Manufactured Microwave Resonators. <i>Sensors</i> , 2017 , 17,	3.8	3
46	Electrically small dual-band substrate-integrated-waveguide antenna with fixed low-frequency and tunable high-frequency bands. <i>IEICE Electronics Express</i> , 2014 , 11, 20140007-20140007	0.5	3
45	Low-profile planar roof-mounted vehicle antenna for monopole vertical polarization reception. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 91-94	1.2	3
44	Polarization reconfigurable antenna on RF-MEMS packaging platform 2009 ,		3
43	Miniaturized Half-Mode Substrate Integrated Waveguide Bandpass Filter Loaded with Double-Sided Complementary Split-Ring Resonators. <i>Electromagnetics</i> , 2012 , 32, 200-208	0.8	3
42	Small Zeroth-Order Resonant Antennas on Spiral-Slotted Ground Plane. <i>Electromagnetics</i> , 2012 , 32, 145-154	0.54	3
41	Two-Dimensional Electromechanically Transformable Metasurface with Beam Scanning Capability Using Four Independently Controllable Shape Memory Alloy Axes. <i>Advanced Optical Materials</i> , 2020 , 8, 2001180	8.1	3
40	Frequency-Tunable Electromagnetic Absorber by Mechanically Controlling Substrate Thickness. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-7	1.2	3
39	Millimeter-Wave-Based Spoof Localized Surface Plasmonic Resonator for Sensing Glucose Concentration. <i>Biosensors</i> , 2021 , 11,	5.9	3
38	Fabrication of microstrip patch antenna using novel hybrid printing technology. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2602-2606	1.2	2
37	Optically Transparent Metamaterial Absorber Using Inkjet Printing Technology. <i>Materials</i> , 2019 , 12,	3.5	2
36	Enhanced-Gain Planar Substrate-Integrated Waveguide Cavity-Backed Slot Antenna with Rectangular Slot Window on Superstrate. <i>ETRI Journal</i> , 2014 , 36, 1062-1065	1.4	2
35	Silicon-based substrate-integrated waveguide-based tunable band-pass filter using interdigital MEMS capacitor 2013 ,		2

34	High efficient misaligned wireless power transfer using magnetic resonant coupling and additional capacitor 2012 ,		2
33	Complementary Split Ring Resonator (CSRR)-Loaded Substrate Integrated Waveguide (SIW) Metamaterial Antenna. <i>IEICE Transactions on Communications</i> , 2012 , E95-B, 304-307	0.5	2
32	Low-Profile Automotive Antenna for Omnidirectional Vertical Polarized Signal Reception. <i>Electromagnetics</i> , 2012 , 32, 481-494	0.8	2
31	Novel arbitrary angle leaky-wave reflector using heterodyne mixing		2
30	Simplified Approach to Detect Dielectric Constant Using a Low-Cost Microfluidic Quarter Mode Substrate-Integrated Waveguide. <i>Sensors</i> , 2020 , 20,	3.8	2
29	Annular Surface Plasmon Polariton-Based Frequency-Scanning Leaky-Wave Antenna for Full Azimuth Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
28	Dynamic phase control with printing and fluidic materials Interaction by inkjet printing an RF sensor directly on a stereolithographic 3D printed microfluidic structure. <i>Lab on A Chip</i> , 2021 , 21, 4364-4378	7.2	2
27	Control of rejection frequency and density of output spectrum by programming nonuniform two channels with ternary fluidic system. <i>Smart Materials and Structures</i> , 2021 , 30, 035028	3.4	2
26	Broadband Frequency Reconfigurable Metamaterial Absorber using Switchable Ground Plane 2018 ,		2
25	Four-Dimensional Printed Shape Memory Metasurface to Memorize Absorption and Reflection Functions. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	2
24	Electronically switchable metasurface for absorption and reflection modes 2014 ,		1
23	Tunable Band-Pass Filters Based on Varactor-Loaded Complementary Split-Ring Resonators on Half-Mode Substrate Integrated Waveguide. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2458-2460	1.2	1
22	Frequency switchable origami magic cube antenna 2017 ,		1
21	Pattern reconfigurable antenna for adaptive multi-input multi-output switching applications 2012 ,		1
20	Frequency reconfigurable zeroth-order resonant antenna using RF MEMS switch. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1266-1269	1.2	1
19	A novel broadband co-planar waveguide (CPW) zeroth order resonant antenna 2009 ,		1
18	Electromechanically Deployable High-Gain Pop-Up Antenna Using Shape Memory Alloy and Kirigami Technology. <i>IEEE Access</i> , 2020 , 8, 225210-225218	3.5	1
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15	A rotary transformable kirigami-inspired metasurface for broadband electromagnetic absorption using additive manufacturing technology. <i>Smart Materials and Structures</i> , 2021 , 30, 075002	3.4	1
14	Mechanical and Self-Deformable Spatial Modulation Beam Steering and Splitting Metasurface. <i>Advanced Optical Materials</i> , 2021 , 9, 2100821	8.1	1
13	Bistate Frequency Selective Surface based on Microfluidic Technology 2018 ,		1
12	Multi-functional thermal-mechanical anisotropic metasurface with shape memory alloy actuators. <i>Materials and Design</i> , 2022 , 216, 110569	8.1	1
11	Hydrodynamic metasurface for programming electromagnetic beam scanning on the Azimuth and elevation planes.. <i>Microsystems and Nanoengineering</i> , 2022 , 8, 43	7.7	1
10	Low Loss Substrate-Integrated Waveguide Using 3D-Printed Non-Uniform Honeycomb-Shaped Material. <i>IEEE Access</i> , 2020 , 8, 191090-191099	3.5	0
9	Three-dimensional printed and fluidic dielectric material optically transparent metasurface for switchable absorption and reflection functionality in microwave frequency region. <i>Waves in Random and Complex Media</i> , 1-15	1.9	0
8	Wide frequency switchable microwave resonator by injecting eutectic gallium indium into microfluidic defected ground structure. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2405-2409	1.2	
7	Two-dimensional near-field focusing screen using nonuniform rectangular holes. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 391-393	1.2	
6	High-directivity on-glass window antenna using a see-through reflector. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 1294-1298	1.6	
5	Novel Co-planar Waveguide (CPW)-Fed Small Antenna with Circular Polarization. <i>IEICE Transactions on Communications</i> , 2011 , E94-B, 2141-2144	0.5	
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3	Mechanical and Self-Deformable Spatial Modulation Beam Steering and Splitting Metasurface (Advanced Optical Materials 19/2021). <i>Advanced Optical Materials</i> , 2021 , 9, 2170077	8.1	
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1	Rotational Kirigami Tessellation Metasurface for Tunable Chirality. <i>Advanced Materials Technologies</i> , 21067306	7.0	