

Qingsha Cheng

List of Publications by Year in descending order

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172
papers

3,310
citations

218381

26
h-index

155451

55
g-index

172
all docs

172
docs citations

172
times ranked

1170
citing authors

#	ARTICLE	IF	CITATIONS
1	Space Mapping: The State of the Art. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 337-361.	2.9	871
2	Space mapping. IEEE Microwave Magazine, 2008, 9, 105-122.	0.7	300
3	Reliable Space-Mapping Optimization Integrated With EM-Based Adjoint Sensitivities. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3493-3502.	2.9	215
4	Implicit Space Mapping Optimization Exploiting Preassigned Parameters. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 378-385.	2.9	172
5	Accelerated Microwave Design Optimization With Tuning Space Mapping. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 383-394.	2.9	130
6	Robust Trust-Region Space-Mapping Algorithms for Microwave Design Optimization. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2166-2174.	2.9	78
7	Simplified space-mapping approach to enhancement of microwave device models. International Journal of RF and Microwave Computer-Aided Engineering, 2006, 16, 518-535.	0.8	77
8	Fast EM Modeling Exploiting Shape-Preserving Response Prediction and Space Mapping. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 399-407.	2.9	66
9	EM-based surrogate modeling and design exploiting implicit, frequency and output space mappings. , 0, , .		51
10	An Efficient Hybrid Sampling Method for Neural Network-Based Microwave Component Modeling and Optimization. IEEE Microwave and Wireless Components Letters, 2020, 30, 625-628.	2.0	51
11	Progress in Simulator-Based Tuning—The Art of Tuning Space Mapping [Application Notes. IEEE Microwave Magazine, 2010, 11, 96-110.	0.7	48
12	Space Mapping Design Framework Exploiting Tuning Elements. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 136-144.	2.9	43
13	A 3-D Printed E^{E} -Plane Waveguide Magic-T Using Air-Filled Coax-to-Waveguide Transitions. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4984-4994.	2.9	42
14	Constrained parameter extraction for microwave design optimisation using implicit space mapping. IET Microwaves, Antennas and Propagation, 2011, 5, 1156.	0.7	40
15	A Space-Mapping Design Framework. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 2601-2610.	2.9	36
16	Combining Coarse and Fine Models for Optimal Design. IEEE Microwave Magazine, 2008, 9, 79-88.	0.7	35
17	Rapid electromagnetic-based microwave design optimisation exploiting shape-preserving response prediction and adjoint sensitivities. IET Microwaves, Antennas and Propagation, 2014, 8, 775-781.	0.7	34
18	Surrogate-Assisted Quasi-Newton Enhanced Global Optimization of Antennas Based on a Heuristic Hypersphere Sampling. IEEE Transactions on Antennas and Propagation, 2021, 69, 2993-2998.	3.1	33

#	ARTICLE	IF	CITATIONS
19	Triple non-covalent dynamic interactions enabled a tough and rapid room temperature self-healing elastomer for next-generation soft antennas. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25073-25084.	5.2	32
20	The state of the art of microwave CAD: EM-based optimization and modeling. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2010, 20, 475-491.	0.8	31
21	Space Mapping Optimization of Handset Antennas Exploiting Thin-Wire Models. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 3797-3807.	3.1	31
22	A Compact Triple-Fed High-Isolation SIW-Based Self-Triplexing Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 766-770.	2.4	31
23	Surrogate Model-Based Space Mapping in Postfabrication Bandpass Filters's™ Tuning. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2172-2182.	2.9	30
24	Tuning space mapping design framework exploiting reduced electromagnetic models. <i>IET Microwaves, Antennas and Propagation</i> , 2011, 5, 1219.	0.7	29
25	Compact high-isolation self-diplexing antenna based on SIW for C-band applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2020, 34, 960-974.	1.0	28
26	Yield-Constrained Optimization Design Using Polynomial Chaos for Microwave Filters. <i>IEEE Access</i> , 2021, 9, 22408-22416.	2.6	28
27	Pixel Antenna Optimization Using S_{11} -Port Characteristic Mode Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 3336-3347.	3.1	26
28	Conceptual design and automated optimisation of a novel compact UWB MIMO slot antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2017, 11, 1162-1168.	0.7	24
29	Design of Compact Substrate Integrated Waveguide Based Triple- and Quad-Band Power Dividers. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 365-368.	2.0	24
30	Implicit space mapping with adaptive selection of preassigned parameters. <i>IET Microwaves, Antennas and Propagation</i> , 2010, 4, 361.	0.7	22
31	Accelerating Space Mapping Optimization with Adjoint Sensitivities. <i>IEEE Microwave and Wireless Components Letters</i> , 2011, 21, 280-282.	2.0	20
32	A Shielded-QMSIW-Based Self-Diplexing Antenna for Closely Spaced Bands and High Isolation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 2382-2386.	2.4	20
33	Tuning-aided implicit space mapping. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2008, 18, 445-453.	0.8	19
34	Non-Invasive Blood Glucose Monitoring Using a Curved Goubau Line. <i>Electronics (Switzerland)</i> , 2019, 8, 662.	1.8	19
35	Design of a compact orthogonal fed self-diplexing bowtie-ring slot antenna based on substrate integrated waveguide. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22422.	0.8	18
36	Tuning space mapping: A novel technique for engineering design optimization. , 2008, , .		16

#	ARTICLE	IF	CITATIONS
37	Tuning space mapping: The state of the art. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 639-651.	0.8	16
38	Optimization-Driven Antenna Design Framework With Multiple Performance Constraints. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21208.	0.8	16
39	A compact substrate integrated waveguide backed self-quadruplexing antenna for C-band communication. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22366.	0.8	16
40	Comprehensive transient analysis for low-voltage system in a wind turbine under direct lightning. International Journal of Electrical Power and Energy Systems, 2020, 121, 106131.	3.3	16
41	A Benchmark Test Suite for Antenna S-Parameter Optimization. IEEE Transactions on Antennas and Propagation, 2021, 69, 6635-6650.	3.1	16
42	Multi-Fidelity Local Surrogate Model for Computationally Efficient Microwave Component Design Optimization. Sensors, 2019, 19, 3023.	2.1	15
43	Flexible wideband power divider with high isolation incorporating spoof surface plasmon polaritons transition with graphene flake. Applied Physics Express, 2019, 12, 022008.	1.1	15
44	A General Coupling Matrix Synthesis Method for All-Resonator Diplexers and Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 987-999.	2.9	15
45	Dual-frequency-scanning broadband antenna based on Z-shape spoof surface plasmon polaritons. Applied Physics Express, 2019, 12, 084001.	1.1	14
46	Pixel Antenna Optimization Based on Perturbation Sensitivity Analysis. IEEE Transactions on Antennas and Propagation, 2022, 70, 472-486.	3.1	14
47	Reduced-cost microwave component modeling using space mapping-enhanced electromagnetic-based kriging surrogates. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 275-286.	1.2	13
48	A Compact SIW Cavity-Backed Self-Multiplexing Antenna for Hexa-Band Operation. IEEE Transactions on Antennas and Propagation, 2022, 70, 2283-2288.	3.1	13
49	Miniaturisation of wideband antennas by means of feed line topology alterations. IET Microwaves, Antennas and Propagation, 2018, 12, 2128-2134.	0.7	12
50	A Microwave Filter Yield Optimization Method Based on Off-Line Surrogate Model-Assisted Evolutionary Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2925-2934.	2.9	12
51	Feature-based surrogates for low-cost microwave modelling and optimisation. IET Microwaves, Antennas and Propagation, 2015, 9, 1706-1712.	0.7	11
52	Fast Simulation of Litz Wire Using Multilevel PEEC Method. IEEE Transactions on Power Electronics, 2020, 35, 12612-12616.	5.4	11
53	Litz Wire and Uninsulated Twisted Wire Assessment Using a Multilevel PEEC Method. IEEE Transactions on Power Electronics, 2022, 37, 2372-2381.	5.4	11
54	Macromodeling of Reconfigurable Intelligent Surface Based on Microwave Network Theory. IEEE Transactions on Antennas and Propagation, 2022, 70, 8707-8717.	3.1	11

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55	An Implicit Space Mapping Technique for Component Modeling. , 2006, , .		10
56	A Generalized SDP Multi-Objective Optimization Method for EM-Based Microwave Device Design. Sensors, 2019, 19, 3065.	2.1	10
57	Miniaturized SIW filter using D-shaped resonators with wide out-of-band rejection for 5G applications. Journal of Electromagnetic Waves and Applications, 2020, 34, 2397-2409.	1.0	10
58	Highly Miniaturized Self-Diplexed U-Shaped Slot Antenna Based on Shielded QMSIW. IEEE Access, 2021, 9, 158926-158935.	2.6	10
59	Tuning space mapping optimization exploiting embedded surrogate elements. , 2009, , .		9
60	Lightning Transient Analysis of Telecommunication System With a Tubular Tower. IEEE Access, 2018, 6, 60088-60099.	2.6	9
61	Reduced-Cost Constrained Miniaturization of Wideband Antennas Using Improved Trust-Region Gradient Search With Repair Step. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 559-562.	2.4	8
62	Trust-region-based convergence safeguards for space mapping design optimization of microwave circuits. , 2009, , .		7
63	Robust space mapping optimization exploiting EM-based models with adjoint sensitivities. , 2012, , .		7
64	A review of implicit space mapping optimization and modeling techniques. , 2015, , .		7
65	A compact dual-fed highly isolated SIW based self-diplexing antenna. AEU - International Journal of Electronics and Communications, 2021, 132, 153613.	1.7	7
66	Multiport Pixel Antenna Optimization Using Characteristic Mode Analysis and Sequential Feeding Port Search. IEEE Transactions on Antennas and Propagation, 2022, 70, 9160-9174.	3.1	7
67	Implicit space mapping EM-based modeling and design exploiting preassigned parameters. , 0, , .		6
68	Lightning Propagation Analysis on Telecommunication Towers Above the Perfect Ground Using Full-Wave Time Domain PEEC Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 697-704.	1.4	6
69	Design of dual mode wideband <sc>SIW</sc> slot antenna for <sc>5G</sc> applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22449.	0.8	6
70	A superstrate loaded aperture coupled dual-band circularly polarized dielectric resonator antenna for X-band communications. International Journal of Microwave and Wireless Technologies, 2021, 13, 867-874.	1.5	6
71	Compact dual-band SIW filters loaded with double ring D-shaped resonators for sub-6GHz applications. Journal of Electromagnetic Waves and Applications, 2021, 35, 923-936.	1.0	6
72	Resonant Manifold Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1059-1071.	2.9	6

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73	Implementable space mapping approach to enhancement of microwave device models. , 2005, , .		5
74	Improving Efficiency of Space Mapping Optimization of Microwave Structures and Devices. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	5
75	Rapid design optimisation of microwave structures through automated tuning space mapping. IET Microwaves, Antennas and Propagation, 2010, 4, 1892.	0.7	5
76	Low-cost feature-based modeling of microwave structures. , 2014, , .		5
77	On ultra-wideband antenna miniaturization involving efficiency and matching constraints. , 2017, , .		5
78	Response features for low-cost statistical analysis and tolerance-aware design of antennas. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2297.	1.2	5
79	Automatic Impedance Matching for Three-Stub Waveguide Tuner Based on Space Mapping. , 2019, , .		5
80	An Automatic Design Approach for Microstrip Line Impedance Transformer for Triple-Band Application. , 2019, , .		5
81	An Efficient Optimization Scheme for MIMO Antenna Decoupling Networks Using Space Mapping Techniques. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2021, 6, 56-61.	1.4	5
82	Fast space mapping modeling with adjoint sensitivity. , 2011, , .		4
83	A space mapping schematic for fast EM-based modeling and design. , 2012, , .		4
84	Multi-objective EM-based design optimization of compact branch-line coupler. , 2017, , .		4
85	A sequentially coupled filter design approach using the reflected group delay method and the implicit space mapping technique. , 2017, , .		4
86	Wireless Power Transfer Using an RF Plasma. IEEE Access, 2018, 6, 73905-73915.	2.6	4
87	Deep Multi-path Low-Light Image Enhancement. , 2020, , .		4
88	A Compact SIW Power Divider for Dual-Band Applications. Radioengineering, 2020, 29, 94-100.	0.3	4
89	<sc>Low-cost</sc> surrogate modeling of antennas using <sc>two-level</sc> Gaussian process regression method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2886.	1.2	4
90	A novel compact diplexer employing substrate integrated waveguide loaded by triangular slots for C-band application. Journal of Electromagnetic Waves and Applications, 2022, 36, 830-842.	1.0	4

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91	A shielded QMSIW ultra-compact self-diplexing antenna for WiMAX/WLAN applications. Journal of Electromagnetic Waves and Applications, 2022, 36, 1869-1881.	1.0	4
92	Adaptively constrained parameter extraction for robust space mapping optimization of microwave circuits. , 2010, , .		3
93	Adaptively constrained parameter extraction for robust space mapping optimization of microwave circuits. , 2010, , .		3
94	A statistical input space mapping approach for accommodating modeling residuals. , 2013, , .		3
95	Analysis of circular polarization antenna design tradeoffs using low-cost EM-driven multiobjective optimization. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21483.	0.8	3
96	A Connectorized X-Band 3-D Printed Air-Filled Self-Suspended Rectangular Coaxial Transmission Line. , 2019, , .		3
97	Fast Design of Multilayered Shields Using Surrogate Model and Space Mapping. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 698-706.	1.4	3
98	Implementation of Project-Based Learning in Teaching an Antenna and Wave Propagation Course. , 2020, , .		3
99	Response corrected tuning space mapping for yield estimation and design centering. , 2010, , .		2
100	Fast space mapping modeling with adjoint sensitivity. , 2011, , .		2
101	Accelerated multi-objective design optimization of antennas by surrogate modeling and domain segmentation. , 2017, , .		2
102	Double-layer microstrip ultra-wideband filtering power divider with high selectivity and large isolation. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21726.	0.8	2
103	A Tuning Method for Triple-Stub Tuner using Knowledge-Based Surrogate Model. , 2019, , .		2
104	A compact wideband SIW power divider with CSRR and slots for Ku and K band applications. , 2019, , .		2
105	A Post-fabrication Tuning Method using Space Mapping and Surrogate Modeling Techniques. , 2019, , .		2
106	An off-center-fed compact wideband antenna with truncated corners and parasitic patches for circular polarization. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22244.	0.8	2
107	Design of a Compact SIW Diplexer with Square Cavities for C-Band Applications. , 2020, , .		2
108	Design and experimental verification of compact dual-band SIW power dividers with arbitrary power division. Frequenz, 2021, 75, 313-318.	0.6	2

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109	Surrogate-Assisted Enhanced Global Optimization Based on Hybrid DE for Antenna Design. , 2020, , .		2
110	Automated Diplexer Design With Key Performance Indicator-Based Objectives. IEEE Microwave and Wireless Components Letters, 2022, 32, 827-830.	2.0	2
111	Adaptive space mapping with convergence enhancement for optimization of microwave structures and devices. , 2008, , .		1
112	A Simple ADS Schematic for Space Mapping. , 2009, , .		1
113	Space mapping design exploiting library antenna models. , 2012, , .		1
114	Comparative study of space-mapping-based techniques for microwave design optimisation. IET Microwaves, Antennas and Propagation, 2012, 6, 361.	0.7	1
115	Enhanced fidelity modeling of microwave structures combining shape-preserving response prediction with space mapping. , 2013, , .		1
116	Fast re-design of antenna structures with respect to substrate permittivity and thickness. , 2016, , .		1
117	Reduced-cost modeling of dual-band antennas exploiting response features. , 2016, , .		1
118	On low-cost space mapping optimization of antenna structures. , 2016, , .		1
119	Frequency-Dependent Implicit Space-Mapping Algorithm for Wideband Microwave Prototyping. , 2018, , .		1
120	Design of A Compact Quad-channel Diplexer using Stepped-Impedance Resonators. , 2019, , .		1
121	EM-based Design Approach for Multiband Filters by Reflected Group Delay Method and Cascade Space Mapping. , 2019, , .		1
122	Design of pseudoelliptic filters with controllable transmission zeros using high- Q double-layer suspended stripline resonators. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21785.	0.8	1
123	A Dualband Coupling Matrix Method for Designing Quad-channel Diplexer. , 2019, , .		1
124	Automated Spiral Inductor Design by a Calibrated PI Network with Manifold Mapping Technique. , 2020, , .		1
125	Design of Miniaturized SIW Filter Loaded with Open-Loop Resonators and Its Application to Diplexer. Radioengineering, 2020, 29, 609-616.	0.3	1
126	Highly miniaturized wideband 3-dB branch-line hybrid with second harmonic suppression. Microwave and Optical Technology Letters, 2020, 62, 2248-2256.	0.9	1

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127	A Compact Substrate Integrated Self-Diplexing Antenna for WiFi and ISM Band Applications. , 2021, , .		1
128	Gaussian Process Regression Modeling Based on Landmark Isometric Feature Mapping for Antennas. , 2021, , .		1
129	A miniaturized quad-band branch-line crossover for GSM/WiFi/5G/WLAN applications. AEU - International Journal of Electronics and Communications, 2021, 134, 153611.	1.7	1
130	Quad-Band Impedance Transformer for Extremely High Load Impedance Matching with Out-of-Band Spurious Response Suppression. , 2021, , .		1
131	Quad-Band Impedance Transformer for Extremely High Load Impedance Matching with Out-of-Band Spurious Response Suppression. , 2021, , .		1
132	Early Warning of Incipient Faults for Power Transformer Based on DGA Using a Two-Stage Feature Extraction Technique. IEEE Transactions on Power Delivery, 2021, , 1-1.	2.9	1
133	Low-Cost Surrogate Modeling of Compact Microstrip Circuits in Highly-Dimensional Parameters Spaces Using Variable-Fidelity Nested Co-Kriging. , 2020, , .		1
134	Feature-based Surrogate-assisted Harris Hawks Optimization Algorithm for Microwave Filters. , 2021, , .		1
135	Compact HMSIW diplexer loaded with modified circular complementary split ring resonators for WiMAX /WLAN applications. Journal of Electromagnetic Waves and Applications, 0, , 1-16.	1.0	1
136	<i>K</i>-Means-Based Multigroup Differential Evolution Optimization Framework for Design of MIMO Antenna With Decoupling Elements. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1980-1984.	2.4	1
137	Response corrected tuning space mapping for yield estimation and design centering. , 2010, , .		0
138	Electromagnetics-based CAD and optimization of microwave circuits exploiting time-domain techniques. , 2011, , .		0
139	Electromagnetics-based CAD and optimization of microwave circuits exploiting time-domain techniques. , 2011, , .		0
140	Retrospective on microwave CAD and optimization technology. , 2012, , .		0
141	Tuning Space Mapping. , 2013, , 107-128.		0
142	A maximally flat quadratic interpolation enhanced input space mapping modeling approach. , 2014, , .		0
143	Reflection response control of bandwidth-enhanced antennas through constrained optimization. , 2016, , .		0
144	Multi-objective optimization of compact UWB impedance matching transformers using Pareto front exploration and adjoint sensitivities. , 2016, , .		0

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145	Geometry scaling of UWB antennas with respect to material properties of the substrate. , 2016, , .		0
146	Expedited two-objective dimension scaling of compact microwave passives using surrogate models. , 2016, , .		0
147	Patch size setup and performance/cost trade-offs in multi-objective antenna optimization using domain patching technique. , 2016, , .		0
148	Reduced-cost data-driven modeling of antenna structures. , 2016, , .		0
149	Response features for fast EM-driven design of miniaturized impedance matching transformers. , 2016, , .		0
150	Expedited EM-driven design optimization of compact dual-band microwave couplers using adaptive response scaling. , 2016, , .		0
151	Pareto ranking bisection algorithm for rapid multi-objective design of antenna structures. , 2017, , .		0
152	EM-driven design of recurrent slow-wave structures. , 2017, , .		0
153	Multi-objective design of miniaturized impedance transformers by domain segmentation. , 2017, , .		0
154	Monitoring blood glucose fluctuation using SIW cavity with a coupling slot. , 2017, , .		0
155	Design Trade-Offs of Compact Circular Polarization Antennas by Means of Multi-Objective Optimization. , 2018, , .		0
156	Lightning Current Distribution of the Radio Base Station With a Steel Tower. , 2018, , .		0
157	An Efficient EM-based Ultra-Wideband Bandpass Filter Design. , 2018, , .		0
158	The Sequential Parameter Extraction for EM-based Design of Dielectric-resonator Bandpass Filter. , 2018, , .		0
159	An EM-Based Cascade Design Procedure for High-Order Bandpass Filter. , 2018, , .		0
160	A High-Q Miniaturized Suspended Stripline Resonator for Pseudoelliptic Filter Design. IEEE Access, 2018, 6, 64784-64789.	2.6	0
161	Miniaturization of Wideband Antennas by Means of Ground Plane Modifications: A Case Study. , 2018, , .		0
162	Design of A Novel Compact Structure of A Wide-Slot Circularly Polarized Antenna. , 2018, , .		0

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163	Multistage Modeling and Space Mapping for Automated Microwave Filter Design. , 2019, , .		0
164	Reconfigurable Metal Chassis Antenna. IEICE Transactions on Communications, 2019, E102.B, 147-155.	0.4	0
165	Microwave Engineering Course for Engineering Education Accreditation: Exploration and Practice in SUSTech. , 2019, , .		0
166	Aggressive Space Mapping Technique for Reconfigurable Hexagonal Patch Antenna Design. , 2019, , .		0
167	An inline pseudoelliptic selfâ€­packaging substrate integrated suspended line filter with mixed electric and magnetic coupling. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22281.	0.8	0
168	Threeâ€­phase adaptive differential evolution for antenna array synthesis. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2871.	1.2	0
169	Design and Experimental Validation of Highly Compact Branch-Line Balun For Quad-Band Applications. , 2021, , .		0
170	Metamodels and Iterative Design Correction for Rapid Optimization of Compact Microwave Components. , 2020, , .		0
171	Antenna Modeling by Nested Kriging with Automated Domain Thickness Determination. , 2020, , .		0
172	Design and implementation of compact tri- and quad-band SIW power divider using modified circular complementary split-ring resonators. International Journal of Microwave and Wireless Technologies, 0, , 1-9.	1.5	0