

Lijuan Su

List of Publications by Year in descending order

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38
papers

1,384
citations

430874

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580821

25
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docs citations

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times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave Microfluidic Sensor Based on a Microstrip Splitter/Combiner Configuration and Split Ring Resonators (SRRs) for Dielectric Characterization of Liquids. IEEE Sensors Journal, 2017, 17, 6589-6598.	4.7	275
2	Splitter/Combiner Microstrip Sections Loaded With Pairs of Complementary Split Ring Resonators (CSRRs): Modeling and Optimization for Differential Sensing Applications. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4362-4370.	4.6	149
3	Analytical Method to Estimate the Complex Permittivity of Oil Samples. Sensors, 2018, 18, 984.	3.8	131
4	Transmission Lines Loaded With Pairs of Stepped Impedance Resonators: Modeling and Application to Differential Permittivity Measurements. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3864-3877.	4.6	94
5	Modeling and Applications of Metamaterial Transmission Lines Loaded With Pairs of Coupled Complementary Split-Ring Resonators (CSRRs). IEEE Antennas and Wireless Propagation Letters, 2016, 15, 154-157.	4.0	83
6	Modeling Metamaterial Transmission Lines Loaded With Pairs of Coupled Split-Ring Resonators. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 68-71.	4.0	58
7	On the Sensitivity of Reflective-Mode Phase-Variation Sensors Based on Open-Ended Stepped-Impedance Transmission Lines: Theoretical Analysis and Experimental Validation. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 308-324.	4.6	52
8	Configurations of Splitter/Combiner Microstrip Sections Loaded with Stepped Impedance Resonators (SIRs) for Sensing Applications. Sensors, 2016, 16, 2195.	3.8	44
9	Highly Sensitive Reflective-Mode Phase-Variation Permittivity Sensor Based on a Coplanar Waveguide Terminated With an Open Complementary Split Ring Resonator (OCSRR). IEEE Access, 2021, 9, 27928-27944.	4.2	42
10	Transmission lines loaded with pairs of magnetically coupled stepped impedance resonators (SIRs): Modeling and application to microwave sensors. , 2014, , .		40
11	Miniature Microwave Notch Filters and Comparators Based on Transmission Lines Loaded with Stepped Impedance Resonators (SIRs). Micromachines, 2016, 7, 1.	2.9	37
12	Highly Sensitive Phase Variation Sensors Based on Step-Impedance Coplanar Waveguide (CPW) Transmission Lines. IEEE Sensors Journal, 2021, 21, 2864-2872.	4.7	36
13	A Review of Sensing Strategies for Microwave Sensors Based on Metamaterial-Inspired Resonators: Dielectric Characterization, Displacement, and Angular Velocity Measurements for Health Diagnosis, Telecommunication, and Space Applications. International Journal of Antennas and Propagation, 2017, 1-13.	1.2	35
14	A Reflective-Mode Phase-Variation Displacement Sensor. IEEE Access, 2020, 8, 189565-189575.	4.2	34
15	Phase-Variation Microwave Sensor for Permittivity Measurements Based on a High-Impedance Half-Wavelength Transmission Line. IEEE Sensors Journal, 2021, 21, 10647-10656.	4.7	33
16	Estimation of the complex permittivity of liquids by means of complementary split ring resonator (CSRR) loaded transmission lines. , 2017, , .		29
17	A Flexible Microwave Sensor Based on Complementary Spiral Resonator for Material Dielectric Characterization. IEEE Sensors Journal, 2020, 20, 1893-1903.	4.7	24
18	Highly Sensitive Reflective-Mode Defect Detectors and Dielectric Constant Sensors Based on Open-Ended Stepped-Impedance Transmission Lines. Sensors, 2020, 20, 6236.	3.8	24

#	ARTICLE	IF	CITATIONS
19	Circuit Analysis of a Coplanar Waveguide (CPW) Terminated With a Step-Impedance Resonator (SIR) for Highly Sensitive One-Port Permittivity Sensing. <i>IEEE Access</i> , 2022, 10, 62597-62612.	4.2	21
20	Planar Phase-Variation Microwave Sensors for Material Characterization: A Review and Comparison of Various Approaches. <i>Sensors</i> , 2021, 21, 1542.	3.8	20
21	Modeling and analysis of pairs of open complementary split ring resonators (OCSRrs) for differential permittivity sensing. , 2017, , .		17
22	Highly Sensitive Defect Detectors and Comparators Exploiting Port Imbalance in Rat-Race Couplers Loaded With Step-Impedance Open-Ended Transmission Lines. <i>IEEE Sensors Journal</i> , 2021, 21, 26731-26745.	4.7	14
23	Parametric Analysis of the Edge Capacitance of Uniform Slots and Application to Frequency-Variation Permittivity Sensors. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7000.	2.5	13
24	On the Modeling of Microstrip Lines Loaded With Dumbbell Defect-Ground-Structure (DB-DGS) and Folded DB-DGS Resonators. <i>IEEE Access</i> , 2021, 9, 150878-150888.	4.2	13
25	Estimation of conductive losses in complementary split ring resonator (CSRR) loading an embedded microstrip line and applications. , 2017, , .		11
26	Recent Advances in the Modeling of Transmission Lines Loaded with Split Ring Resonators. <i>International Journal of Antennas and Propagation</i> , 2015, 2015, 1-13.	1.2	10
27	Cascaded splitter/combiner microstrip sections loaded with complementary split ring resonators (CSRRs): Modeling, analysis and applications. , 2016, , .		10
28	Dual-band epsilon-negative (ENG) transmission line metamaterials based on microstrip lines loaded with pairs of coupled complementary split ring resonators (CSRRs): Modeling, analysis and applications. , 2015, , .		7
29	Transmission line metamaterials based on pairs of coupled split ring resonators (SRRs) and complementary split ring resonators (CSRR): A comparison to the light of the lumped element equivalent circuits. , 2015, , .		7
30	Open-Ended-Line Reflective-Mode Phase-Variation Sensors for Dielectric Constant Measurements. , 2020, , .		5
31	A Microwave Microfluidic Reflective-Mode Phase-Variation Sensor. , 2021, , .		5
32	Discussion and Analysis of Dumbbell Defect-Ground-Structure (DB-DGS) Resonators for Sensing Applications from a Circuit Theory Perspective. <i>Sensors</i> , 2021, 21, 8334.	3.8	5
33	Symmetry-Related Electromagnetic Properties of Resonator-Loaded Transmission Lines and Applications. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 88-113.	2.5	2
34	Coplanar waveguides loaded with symmetric and asymmetric multisection stepped impedance resonators: Modeling and potential applications. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 722-726.	1.4	2
35	Microwave sensors based on symmetry properties and metamaterial concepts: A review of some recent developments (Invited paper). , 2017, , .		2
36	Analysis and design of an improved servo system for rubidium atomic frequency standard. <i>Wuhan University Journal of Natural Sciences</i> , 2013, 18, 67-72.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Coplanar waveguides loaded with symmetric and asymmetric pairs of slotted stepped impedance resonators: Modeling, applications, and comparison to SIR-loaded CPWS. Microwave and Optical Technology Letters, 2016, 58, 2741-2745.	1.4	0
38	On the Capacitance of Slotted Metamaterial Resonators for Frequency-Variation Permittivity Sensing. , 2022, , .		0