## Ladislau Matekovits

## List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/7634657/ladislau-matekovits-publications-by-year.pdf

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

1,565 147 21 35 h-index g-index citations papers 226 2.8 5.08 2,244 avg, IF L-index ext. citations ext. papers

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 147 | Hyperparameter Optimization of Long Short-Term Memory Based Forecasting DNN for Antenna Modeling through Stochastic Methods. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1               | 3.8 | O         |
| 146 | A Study on Application of Dielectric Resonator Antenna in Implantable Medical Devices. <i>IEEE Access</i> , <b>2022</b> , 10, 11846-11857  | 3.5 | 2         |
| 145 | Manipulating the radiation pattern of equilateral triangular dielectric resonator antenna using asymmetric grooves. <i>AEU - International Journal of Electronics and Communications</i> , <b>2022</b> , 145, 154079 | 2.8 |           |
| 144 | Controlling frequency distance between individual modes of dielectric resonator nanoantenna using uniaxial anisotropic materials. <i>Radiation Physics and Chemistry</i> , <b>2022</b> , 190, 109812                 | 2.5 | 0         |
| 143 | Multi-objective Optimization Methods for Passive and Active Devices in mm-Wave 5G Networks. <i>PoliTO Springer Series</i> , <b>2022</b> , 337-371  | 0.4 |           |
| 142 | Printed Periodic Structures in Support to G Network Antennas. <i>PoliTO Springer Series</i> , <b>2022</b> , 73-108   | 0.4 | 0         |
| 141 | Design and implementation of compact dual-band conformal antenna for leadless cardiac pacemaker system <i>Scientific Reports</i> , <b>2022</b> , 12, 3165  | 4.9 | 1         |
| 140 | Deep Learning Assisted Automatic Methodology for Implanted MIMO Antenna Designs on Large Ground Plane. <i>Electronics (Switzerland)</i> , <b>2022</b> , 11, 47   | 2.6 | 2         |
| 139 | Symmetry-breaking manipulation in the design of multifunctional tunable frequency selective surface. <i>AEU - International Journal of Electronics and Communications</i> , <b>2021</b> , 142, 154003                | 2.8 | 1         |
| 138 | A Review on Different Techniques of Mutual Coupling Reduction Between Elements of Any MIMO Antenna. Part 2: Metamaterials and Many More. <i>Radio Science</i> , <b>2021</b> , 56, e2020RS007222                      | 1.4 | 4         |
| 137 | A Review on Different Techniques of Mutual Coupling Reduction Between Elements of Any MIMO Antenna. Part 1: DGSs and Parasitic Structures. <i>Radio Science</i> , <b>2021</b> , 56, e2020RS007122                    | 1.4 | 5         |
| 136 | Low-Cost, Low-Profile Wide-Band Radar Cross Section Reduction Using Dual-Concentric Phase Gradient Modulated Surface. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1552                                      | 2.6 | 0         |
| 135 | Single-Layered Frequency Selective Surface for Polarization Processing by Transmission Through Elementary Simple Structure Unit Cell Array. <i>IEEE Access</i> , <b>2021</b> , 9, 30615-30625                        | 3.5 | O         |
| 134 | Invisibility Utilizing Huygens Metasurface Based on Mantle Cloak and Scattering Suppression Phenomen. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 5181-5186                             | 4.9 | 2         |
| 133 | Automated optimization for broadband flat-gain antenna designs with artificial neural network. <i>IET Microwaves, Antennas and Propagation</i> , <b>2021</b> , 15, 1537-1544   | 1.6 | 6         |
| 132 | Dielectric Resonator Antennas: Applications and Developments in Multiple-Input, Multiple-Output Technology. <i>IEEE Antennas and Propagation Magazine</i> , <b>2021</b> , 2-15                                       | 1.7 | 3         |
| 131 | Deep Learning and its Benefits in Prediction of Patients Through Medical Images 2021,  |     | 1         |

| 130 | Key Generation of Biomedical Implanted Antennas Through Artificial Neural Networks 2021,  |                               | 2   |
|-----|---|-------------------------------|-----|
| 129 | Topological edge states of interacting photon pairs emulated in a topolectrical circuit. <i>Nature Communications</i> , <b>2020</b> , 11, 1436  | 17.4                          | 37  |
| 128 | Dual-band circularly polarized MIMO DRA for sub-6 GHz applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2020</b> , 30, e22350  | 1.5                           | 4   |
| 127 | Multiple input multiple output dielectric resonator antenna with circular polarized adaptability for 5G applications. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2020</b> , 34, 1180-1194                                      | 1.3                           | 7   |
| 126 | Mantle cloaking due to ideal magnetic dipole scattering. Scientific Reports, 2020, 10, 2413   | 4.9                           | 5   |
| 125 | Electrically tunable mantle cloaking utilizing graphene metasurface for oblique incidence. <i>AEU</i> - <i>International Journal of Electronics and Communications</i> , <b>2020</b> , 116, 153080  | 2.8                           | 5   |
| 124 | Electromagnetic Bottom-Up Optimization for Automated Antenna Designs 2020,  |                               | 2   |
| 123 | Harmonic analysis and reduction of the scattered field from electrically large cloaked metallic cylinders. <i>Applied Optics</i> , <b>2020</b> , 59, 3742-3750  | 1.7                           | 2   |
| 122 | Nonradiating anapole condition derived from Devaney-Wolf theorem and excited in a broken-symmetry dielectric particle. <i>Optics Express</i> , <b>2020</b> , 28, 10294-10307  | 3.3                           | 6   |
| 121 | Materials for Electromagnetic Purpose: The Case of a Microstrip Patch Antenna Characteristics Improvement by Additions of Metals as Spherical Inclusions Into the Substrate. <i>Acta Marisiensis Seria Technologica</i> , <b>2020</b> , 17, 11-16 | 0.1                           |     |
| 120 | Multidisciplinary investigations on the use of TiNb alloy orthopedic device equipped with low profile antenna as smart sensor. <i>Procedia Manufacturing</i> , <b>2020</b> , 46, 828-837  | 1.5                           | 1   |
| 119 | A helical shaped broadband circularly polarized dielectric resonator antenna. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2020</b> , 34, 1918-1929  | 1.3                           |     |
| 118 | Optimization for Wideband Linear Array Antenna through Bottom-Up Method 2020,   |                               | 2   |
| 117 | Optimal Huygens Metasurface for Wireless Power Transfer Efficiency Improvement. <i>IEEE Access</i> , <b>2020</b> , 8, 216409-216418   | 3.5                           | 1   |
| 116 | . IEEE Access, <b>2020</b> , 8, 199242-199253   | 3.5                           | 24  |
| 115 | Analysis of the Surface Impedance of a Sinusoidally Modulated Metasurface 2019,   |                               | 1   |
| 114 | Dynamically Tunable Scattering Manipulation of Dielectric and Conducting Cylinders Using Nanostructured Graphene Metasurfaces. <i>IEEE Access</i> , <b>2019</b> , 7, 15556-15562  | 3.5                           | 3   |
| 113 | Frequency Selective Surface With Two Quasi-Independent Notch Frequencies. <i>IEEE Access</i> , <b>2019</b> , 7, 777   | 26 <b>3</b> . <del>5</del> 77 | 267 |

| 112 | A Stripline-Based Planar Wideband Feed for High-Gain Antennas with Partially Reflecting Superstructure. <i>Micromachines</i> , <b>2019</b> , 10,   | 3.3 | 3  |
|-----|--|-----|----|
| 111 | . IEEE Antennas and Wireless Propagation Letters, <b>2019</b> , 18, 1809-1813  | 3.8 | 10 |
| 110 | Bending Analysis of Switchable Frequency Selective Surface Based on Flexible Composite Substrate <b>2019</b> ,   |     | 2  |
| 109 | Tunable mantle cloaking utilizing graphene metasurface for terahertz sensing applications. <i>Optics Express</i> , <b>2019</b> , 27, 34824-34837   | 3.3 | 30 |
| 108 | Numerical Investigation on Graphene Based Mantle Cloaking of a PEC Cylinder 2019,  |     | 1  |
| 107 | Reconfigurable metasurface lens based on graphene split ring resonators using PancharatnamBerry phase manipulation. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2019</b> , 33, 572-583 | 1.3 | 7  |
| 106 | Rectangular Dielectric Resonator Antenna With Corrugated Walls. IEEE Access, 2019, 7, 3422-3429  | 3.5 | 1  |
| 105 | Making UWB Antennas Unidirectional: Phase Coherence with an Ultra-Wide Band Frequency Selective Surface Reflector <b>2018</b> , 227-258  |     |    |
| 104 | Multipolar passive cloaking by nonradiating anapole excitation. Scientific Reports, 2018, 8, 12514   | 4.9 | 36 |
| 103 | Effect of Geometrical Parameters of a Width Modulated Microstrip Line Based Mantle-Cloak <b>2018</b> ,   |     | 1  |
| 102 | Frequency Selective Surface with two Notch Frequencies and Good Incidence Angle Stability for Screening Applications <b>2018</b> ,   |     | 2  |
| 101 | Sidelobe Suppression in Resonant Cavity Antennas through Near-field Analysis 2018,   |     | 1  |
| 100 | Spectral Composition of the Scattered Field from a Large Metallic Cloaked Cylinder 2018,   |     | 2  |
| 99  | A Low-Profile Phase Correcting Solution to Improve Directivity of Horn Antenna 2018,   |     | 3  |
| 98  | Tunable Polarization Converter Based on Graphene Metasurfaces 2018,  |     | 2  |
| 97  | Analysis and Experiment of Equilateral Triangular Uniaxial-Anisotropic Dielectric Resonator Antennas. <i>IEEE Access</i> , <b>2018</b> , 6, 63071-63079  | 3.5 | 1  |
| 96  | A Near-Field Cloaking Study to Reduce MRI RF-Artefacts in Presence of Elongated Prostheses. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology,</i> <b>2018</b> , 2, 249-256 | 2.8 | 1  |
| 95  | . IEEE Access, <b>2017</b> , 5, 8804-8811  | 3.5 | 14 |

## (2015-2017)

| 94 | Gain Improvement of Rectangular Dielectric Resonator Antenna by Engraving Grooves on Its Side Walls. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 2167-2170 | 3.8 | 26  |  |
|----|--|-----|-----|--|
| 93 | Cylindrical Anisotropic Dielectric Resonator Antenna With Improved Gain. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 1404-1409                              | 4.9 | 28  |  |
| 92 | On the radiation mechanism of implanted antennas with large conformal ground plane. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 1765-1769                        | 1.6 | 2   |  |
| 91 | Closed-form harmonic contrast control with surface impedance coatings for conductive objects. <i>Applied Optics</i> , <b>2017</b> , 56, 10055  | 1.7 | 9   |  |
| 90 | An ideal dielectric coat to avoid prosthesis RF-artefacts in Magnetic Resonance Imaging. <i>Scientific Reports</i> , <b>2017</b> , 7, 326  | 4.9 | 3   |  |
| 89 | Towards Printable Natural Dielectric Cloaks via Inverse Scattering Techniques. <i>Scientific Reports</i> , <b>2017</b> , 7, 3680   | 4.9 | 8   |  |
| 88 | Band pattern of commensurate modulated periodic structures. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 1303-1307  | 1.6 | 2   |  |
| 87 | Surface-admittance equivalence principle for nonradiating and cloaking problems. <i>Physical Review A</i> , <b>2017</b> , 95,  | 2.6 | 12  |  |
| 86 | High Gain Rectangular Dielectric Resonator Antenna Using Uniaxial Material at Fundamental Mode. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 342-347         | 4.9 | 42  |  |
| 85 | Dual-Band Dual-Mode Textile Antenna on PDMS Substrate for Body-Centric Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 677-680                 | 3.8 | 100 |  |
| 84 | A Surface Impedance Model for a Microstrip-line based Metasurface 2017,  |     | 3   |  |
| 83 | Kirchhoff's current law as local cloaking condition: theory and applications. <i>Electronics Letters</i> , <b>2016</b> , 52, 1749-1751   | 1.1 | 1   |  |
| 82 | Metal-based materials for the development of implanted bio-devices (Invited paper) 2016,   |     | 1   |  |
| 81 | Invisibility and cloaking structures as weak or strong solutions of Devaney-Wolf theorem. <i>Optics Express</i> , <b>2016</b> , 24, 19245-53   | 3.3 | 14  |  |
| 80 | Controlling surface waves with metasurfaces: From planar propagation to conformal cloaking 2016,   |     | 1   |  |
| 79 | On-body antennas: Design considerations and challenges <b>2016</b> ,   |     | 5   |  |
| 78 | Development of a Metal Coated Conformal Periodic Geometry for Electromagnetic Application. <i>Advanced Materials Research</i> , <b>2015</b> , 1114, 224-228                              | 0.5 | 1   |  |
| 77 | Inverse Scattering Homogenization method for conformal metamaterial structures <b>2015</b> ,   |     | 3   |  |
|    |  |     |     |  |

| 76 | EQUIVALENT-CIRCUIT MODELS FOR EFFICIENT TRANSMISSION AND DISPERSION ANALYSES OF MULTI-STATE PERIODIC STRUCTURES. <i>Progress in Electromagnetics Research</i> , <b>2015</b> , 153, 93-102  | 3.8 | 5   |
|----|--|-----|-----|
| 75 | Strip-Width and Slot-Gap Dependent Equivalent Isotropic Substrate and Dispersion Characteristics of Asymmetric Coplanar Waveguide, Symmetric Coplanar Waveguide and Micro-Coplanar Strip Line on Anisotropic Substrates. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 2232-2241 | 4.1 | 9   |
| 74 | Width-Modulated Microstrip-Line Based Mantle Cloaks for Thin Single- and Multiple Cylinders. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2606-2615  | 4.9 | 37  |
| 73 | . IEEE Transactions on Electromagnetic Compatibility, <b>2014</b> , 56, 1404-1411  | 2   | 120 |
| 72 | Efficient Numerical Analysis of a Periodic Structure of Multistate Unit Cells. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-6  | 1.2 |     |
| 71 | Full-Wave Analysis of Inhomogeneous Waveguiding Structures Containing Corners With Singular Hierarchical Curl-Conforming Vector Bases. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1701-1704   | 3.8 | 3   |
| 70 | Application of a 2D electromagnetic band-gap structure with metal inclusions to signal integrity issues <b>2014</b> ,  |     | 1   |
| 69 | Singular Hierarchical Curl-Conforming Vector Bases for Triangular Cells. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 3632-3644  | 4.9 | 6   |
| 68 | Hierarchical Additive Basis Functions for the Finite-Element Treatment of Corner Singularities. <i>Electromagnetics</i> , <b>2014</b> , 34, 171-198  | 0.8 | 4   |
| 67 | . IEEE Transactions on Antennas and Propagation, <b>2013</b> , 61, 4957-4972   | 4.9 | 39  |
| 66 | A transmission polarizer based on width-modulated lines and slots 2013,  |     | 4   |
| 65 | 2013,  |     | 10  |
| 64 | An implantable Hilbert PIFA antenna for RFID based telemetry 2013,   |     | 2   |
| 63 | Localized surface plasmon resonance: nano-sinusoid arrays. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 638-648  | 1.3 | 2   |
| 62 | A low profile dual layer with a wideband frequency colortive surface reflector. Microwaya and  |     | 21  |
|    | A low-profile dual-layer ultra-wideband frequency selective surface reflector. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1223-1227   | 1.2 | 21  |
| 61 |  | 1.2 | 2   |
| 61 | Optical Technology Letters, 2013, 55, 1223-1227  Polarization stable ultra-wide-band Frequency Selective Surface for Ku- and K- band applications  | 1.2 |     |

| 58 | An implantable PIFA antenna with a J-shaped proximity feed for RFID telemetry 2013,   |     | 3  |
|----|---|-----|----|
| 57 | Changing the Electromagnetic Bandgap and Stopbands in a Multistate Periodic Circuit. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 1871-1874  | 1.2 | 8  |
| 56 | 2013,   |     | 1  |
| 55 | Modelling PIN diode switches in reconfigurable leaky-wave antenna design 2013,  |     | 1  |
| 54 | Singular, Hierarchical Scalar Basis Functions for Triangular Cells. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 3674-3692  | 4.9 | 7  |
| 53 | Electromagnetic communication solution for scuba-diving 2013,   |     | 2  |
| 52 | A CONSTANT GAIN ULTRA-WIDEBAND ANTENNA WITH A MULTI-LAYER FREQUENCY SELECTIVE SURFACE. <i>Progress in Electromagnetics Research Letters</i> , <b>2013</b> , 38, 119-125                                   | 0.5 | 25 |
| 51 | Investigation on FET switch integration techniques for a tunable microwave periodic structure <b>2012</b> ,   |     | 1  |
| 50 | . IEEE Antennas and Wireless Propagation Letters, <b>2012</b> , 11, 97-100  | 3.8 | 5  |
| 49 | Phase contrivance modulated artificial metasurface embedded with rotated slot 2012,   |     | 1  |
| 48 | Increasing the gain of a semicircular slot UWB antenna using an FSS reflector 2012,   |     | 9  |
| 47 | EVOLUTION TOWARDS A NEW LSPR PARTICLE: NANO-SINUSOID. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 132, 199-213   | 3.8 | 2  |
| 46 | Electromagnetic bandgap solution for mitigation of parallel-plate noise in power distribution networks. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1689-1692                     | 1.2 | 4  |
| 45 | Metamaterial Based High Impedance Surface with Band-Pass Frequency Response. <i>Materials Science Forum</i> , <b>2012</b> , 721, 59-64  | 0.4 | 1  |
| 44 | Investigation on localized surface plasmon resonance of different nano-particles for biosensor applications <b>2012</b> ,   |     | 1  |
| 43 | The development of hierarchical bases of the additive kind for corner singularities in triangular cells <b>2012</b> ,   |     | 1  |
| 42 | A printed radial configuration of width-modulated strip-lines for controlled guided-wave radiation <b>2012</b> ,  |     | 1  |
| 41 | Reduced complexity biasing solution for switched parallel plate waveguide with embedded active metamaterial layer. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2012</b> , 26, 1828-1836 | 1.3 | 5  |

| 40 | Metamaterial-Based Millimeter-Wave Switchable Leaky Wave Antennas for On-Chip Implementation in Gaas Technology. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2011</b> , 25, 49-61  | 1.3 | 16 |
|----|--|-----|----|
| 39 | Multioctave Frequency Selective Surface Reflector for Ultrawideband Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 219-222  | 3.8 | 89 |
| 38 | Oblique incidence performance of UWB frequency selective surfaces for reflector applications <b>2011</b> ,   |     | 8  |
| 37 | Design and analysis of frequency-selective surfaces for ultrawideband applications 2011,   |     | 7  |
| 36 | Effects of a Coplanar Waveguide Biasing Network Built Into the Ground Plane on the Dispersion Characteristics of a Tunable Unit Cell With an Elliptical Patch and Multiple Vias. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 1088-1091 | 3.8 | 7  |
| 35 | Enhanced gain UWB slot antenna with multilayer Frequency-Selective Surface reflector <b>2011</b> ,   |     | 3  |
| 34 | Numerical analysis of 2D tunable HIS on GaAs support. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 103, 779-782  | 2.6 | 1  |
| 33 | . IEEE Transactions on Antennas and Propagation, <b>2011</b> , 59, 4588-4599   | 4.9 | 33 |
| 32 | Active Switching Devices in a Tunable EBG Structure: Placement Strategies and Modelling. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2011</b> , 25, 1740-1751  | 1.3 | 5  |
| 31 | Analysis of the Gap Bandwidth of some High Impedance Surfaces in the Microwave Range. <i>Materials Science Forum</i> , <b>2010</b> , 670, 497-503  | 0.4 | 1  |
| 30 | Analytically Expressed Dispersion Diagram of Unit Cells for a Novel Type of Holographic Surface. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2010</b> , 9, 1251-1254  | 3.8 | 19 |
| 29 | Effects of the variation of the dielectric constant for a periodic, width-modulated microstrip line based sensor <b>2010</b> ,   |     | 1  |
| 28 | Modulated strip-line leaky-wave antenna using a printed grating lens and a surface-wave source <b>2010</b> ,   |     | 6  |
| 27 | TUNABLE PERIODIC MICROSTRIP STRUCTURE ON GAAS WAFER. <i>Progress in Electromagnetics Research</i> , <b>2009</b> , 97, 1-10   | 3.8 | 16 |
| 26 | Efficient numerical analysis of large planar high impedance surface by the synthetic function expansion technique. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2763-2769   | 1.2 | 5  |
| 25 | . IEEE Transactions on Antennas and Propagation, <b>2009</b> , 57, 1936-1943   | 4.9 | 24 |
| 24 | Controlling the Bandlimits of TE-Surface Wave Propagation Along a Modulated Microstrip-Line-Based High Impedance Surface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2008</b> , 56, 2555-2562   | 4.9 | 26 |
| 23 | . IEEE Transactions on Antennas and Propagation, <b>2008</b> , 56, 67-75   | 4.9 | 46 |

| 22 | Analysis of Large Complex Structures With the Synthetic-Functions Approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 2509-2521                          | 4.9 | 150 |
|----|---|-----|-----|
| 21 | Effect of transverse periodicity on the value of the effective dielectric constant for a microstrip line <b>2007</b> ,  |     | 4   |
| 20 | Propagation of Electromagnetic Waves in a Sinusoidally Modulated Dielectric Substrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 207-210                 | 3.8 | 6   |
| 19 | Some Insight Over New Variations of the Particle Swarm Optimization Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2006</b> , 5, 235-238                            | 3.8 | 38  |
| 18 | Numerical and Experimental Characterization of a Wide-Band Conformal Base Station Antenna <b>2006</b> ,   |     | 1   |
| 17 | Particle swarm optimization of microwave microstrip filters 2004,   |     | 17  |
| 16 | Synthetic-functions analysis of antennas and inter-antenna coupling in complex environments <b>2004</b> ,   |     | 2   |
| 15 | Multi-grid, Multi-level Analysis of Printed Arrays and Circuits <b>2002</b> ,   |     | 1   |
| 14 | Multiresolution analysis of printed antennas and circuits: a dual-isoscalar approach. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2001</b> , 49, 858-874                  | 4.9 | 29  |
| 13 | A novel multiresolution approach to the EFIE analysis of printed antennas. <i>Microwave and Optical Technology Letters</i> , <b>1999</b> , 23, 49-51                                    | 1.2 | 2   |
| 12 | Application of numerical regularization options to the integral-equation analysis of printed antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>1997</b> , 45, 570-572 | 4.9 | 6   |
| 11 | A numerical regularization of the EFIE for three-dimensional planar structures in layered media (invited article). <i>The International Executive</i> , <b>1997</b> , 7, 410-431        |     | 21  |
| 10 | A reduced representation of the frequency response of printed antennas. <i>The International Executive</i> , <b>1997</b> , 7, 432-441   |     | 4   |
| 9  | Hybrid spectral-spatial method for the analysis of printed antennas. <i>Radio Science</i> , <b>1996</b> , 31, 1263-1270   | 1.4 | 4   |
| 8  | Network parameters of printed antennas from the MoM solution  |     | 1   |
| 7  | Improved PSO algorithms for electromagnetic optimization  |     | 12  |
| 6  |   |     | 1   |
| 5  | Reduced-complexity MoM simulation of printed structures   |     | 2   |

| 4 | Synthetic function analysis of large printed structures: the solution space sampling approach                                       | 55    |
|---|---|-------|
| 3 | Use of dynamic modes in the analysis of printed antennas and arrays   | 1     |
| 2 |   | 2     |
| 1 | Investigations on the Doping Effects on the Properties of Piezoelectric Ceramics. <i>Advanced Materials Research</i> ,1158, 105-114 | 0.5 2 |