

**Raport oceny bibliometrycznej publikacji dr inż. Ilony PIEKARZ
(ResearcherID: S-3635-2017, ORCID ID 0000-0001-9862-5794)
opracowany na podstawie bazy Web of Science Core Collection wg opcji Search
(stan na dzień 16.11.2022)**

a) Liczba publikacji indeksowanych w bazie Web of Science Core Collection: 75, w tym 38 publikacji w czasopismach z listy Journal Citation Reports (JCR), posiadające Impact Factor (IF).

b) Wykaz publikacji indeksowanych w bazie Web of Science Core Collection wraz z wartością IF dla poszczególnych publikacji naukowych według listy Journal Citation Reports (JCR) wraz z liczbą cytowań

Record 1 of 75

Title: Test tube dedicated microwave liquid dielectric sensor for non-contact properties change monitoring and material characterization with tube exchange capability

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Bozzi, M (Bozzi, Maurizio)

Source: MEASUREMENT Volume: 198 Article Number: 111397 DOI:

10.1016/j.measurement.2022.111397 Published: JUL 2022

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000807735800003

ISSN: 0263-2241

IF za 2021 = 5.131

Liczba cytowań = 0

Record 2 of 75

Title: Wideband Microstrip to 3-D-Printed Air-Filled Waveguide Transition Using a Radiation Probe

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Delmonte, N (Delmonte, Nicolo); Silvestri, L (Silvestri, Lorenzo); Marconi, S (Marconi, Stefania); Alaimo, G (Alaimo, Gianluca); Auricchio, F (Auricchio, Ferdinando); Bozzi, M (Bozzi, Maurizio)

Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 32 Issue: 10

Pages: 1179-1182 DOI: 10.1109/LMWC.2022.3173407 Early Access Date: MAY 2022

Published: OCT 2022

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000800802900001

ISSN: 1531-1309

IF za 2021 = 2.719

Liczba cytowań = 0

Record 3 of 75

Title: Design and Manufacturing of Microwave Components by 3D Printing

Author(s): Delmonte, N (Delmonte, Nicolo); Silvestri, L (Silvestri, Lorenzo); Tomassoni, C (Tomassoni, Cristiano); Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Perregrini, L (Perregrini, Luca); Bozzi, M (Bozzi, Maurizio)

Edited by: Boccia L; Catarinucci L; Arnieri E; Colella R

Source: PROCEEDINGS OF THE 2022 21ST MEDITERRANEAN MICROWAVE SYMPOSIUM (MMS 2022) Book Series: Mediterranean Microwave Symposium Pages: 454-459 DOI: 10.1109/MMS55062.2022.9825617 Published: 2022

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000855047100101

Liczba cytowań = 0

Record 4 of 75

Title: Additively Fabricated Air-Filled Waveguide Integrated With Printed Circuit Board Using a Through-Patch Transition

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Samulak, A (Samulak, Andrzej); Delmonte, N (Delmonte, Nicolo); Silvestri, L (Silvestri, Lorenzo); Marconi, S (Marconi, Stefania); Alaimo, G (Alaimo, Gianluca); Auricchio, F (Auricchio, Ferdinando); Bozzi, M (Bozzi, Maurizio)

Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 31 Issue: 11

Pages: 1207-1210 DOI: 10.1109/LMWC.2021.3112567 Published: NOV 2021

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000714714000011

ISSN: 1531-1309

IF za 2021 = 2.719

Liczba cytowań = 2

Record 5 of 75

Title: Planar single and dual-resonant microwave biosensors for label-free bacteria detection

Author(s): Piekarz, I (Piekarz, Ilona); Gorska, S (Gorska, Sabina); Razim, A (Razim, Agnieszka); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Drab, M (Drab, Marek); Gruszczynski, S (Gruszczynski, Slawomir)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 351 Article Number: 130899 DOI: 10.1016/j.snb.2021.130899 Early Access Date: OCT 2021 Published: JAN 15 2022

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000721806600004

eISSN: 0925-4005

IF za 2021 = 9.221

Liczba cytowań = 1

Record 6 of 75

Title: Broadband Permittivity and Permeability Extraction of 3-D-Printed Magneto-Dielectric Substrates

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Bozzi, M (Bozzi, Maurizio)

Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 31 Issue: 10

Pages: 1174-1177 DOI: 10.1109/LMWC.2021.3100394 Published: OCT 2021

Times Cited in Web of Science Core Collection: 4

Total Times Cited: 4

Accession Number: WOS:000704109800022

ISSN: 1531-1309

IF za 2021 = 2.719

Liczba cytowań = 4

Record 7 of 75

Title: Direct Broadband Dielectric Spectroscopy of Liquid Chemicals Using Microwave-Fluidic Two-Wire Transmission Line Sensor

Author(s): Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir); Piekarz, I (Piekarz, Ilona)

Source: IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 69 Issue: 5 Pages: 2569-2578 DOI: 10.1109/TMTT.2021.3059646 Published: MAY 2021

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000662675000014

ISSN: 0018-9480

IF za 2021 = 4.381

Liczba cytowań = 1

Record 8 of 75

Title: Detection of methanol contamination in ethyl alcohol employing a purpose-designed high-sensitivity microwave sensor

Author(s): Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir); Sorocki, J (Sorocki, Jakub)

Source: MEASUREMENT Volume: 174 Article Number: 108993 DOI: 10.1016/j.measurement.2021.108993 Early Access Date: JAN 2021 Published: APR 2021

Times Cited in Web of Science Core Collection: 5

Total Times Cited: 5

Accession Number: WOS:000634798600003

ISSN: 0263-2241

IF za 2021 = 5.131

Liczba cytowań = 5

Record 9 of 75

Title: A novel method for ceramic characterisation by high frequency microwave energy absorption

Author(s): Kruk, A (Kruk, Andrzej); Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona);
Madej, D (Madej, Dominika); Kolenderski, P (Kolenderski, Piotr)
Source: MEASUREMENT Volume: 167 Article Number: 108160 DOI:
10.1016/j.measurement.2020.108160 Published: JAN 1 2021
Times Cited in Web of Science Core Collection: 1
Total Times Cited: 1
Accession Number: WOS:000579500000006
ISSN: 0263-2241
IF za 2021 = 5.131
Liczba cytowań = 1

Record 10 of 75

Title: Microwave-Microfluidic Sensor in Hybrid 3-D Printing and Laminate Technology for
Chemicals Monitoring from Differential Reflection
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Delmonte, N (Delmonte,
Nicolo); Silvestri, L (Silvestri, Lorenzo); Marconi, S (Marconi, Stefania); Alaimo, G (Alaimo,
Gianluca); Auricchio, F (Auricchio, Ferdinando); Bozzi, M (Bozzi, Maurizio)
Book Group Author(s): IEEE
Source: 2021 IEEE MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM (IMS) Book Series: IEEE
MTT-S International Microwave Symposium Pages: 400-403 DOI:
10.1109/IMS19712.2021.9574915 Published: 2021
Times Cited in Web of Science Core Collection: 1
Total Times Cited: 1
Accession Number: WOS:000852934400107
Liczba cytowań = 1

Record 11 of 75

Title: Four-Node Antenna Feeding Network for Interfacing With Differential Front-End
Electronics
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Smolarz, R (Smolarz, Robert);
Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)
Source: IEEE ACCESS Volume: 9 Pages: 103728-103736 DOI:
10.1109/ACCESS.2021.3093656 Published: 2021
Times Cited in Web of Science Core Collection: 1
Total Times Cited: 1
Accession Number: WOS:000678314400001
ISSN: 2169-3536
IF za 2021 = 3.476
Liczba cytowań = 1

Record 12 of 75

Title: Broadband Microwave Microfluidic Coupled-Line Sensor With 3-D-Printed Channel for
Industrial Applications

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Papapolymerou, J (Papapolymerou, John)
Source: IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 68 Issue: 7 Pages: 2808-2822 DOI: 10.1109/TMTT.2020.2972525 Published: JUL 2020
Times Cited in Web of Science Core Collection: 9
Total Times Cited: 10
Accession Number: WOS:000544916000032
ISSN: 0018-9480
IF za 2020 = 3.599
Liczba cytowań = 9

Record 13 of 75

Title: A microwave matrix sensor for multipoint label-free Escherichia coli detection
Author(s): Piekarz, I (Piekarz, Ilona); Gorska, S (Gorska, Sabina); Odrobina, S (Odrobina, Szczepan); Drab, M (Drab, Marek); Wincza, K (Wincza, Krzysztof); Gamian, A (Gamian, Andrzej); Gruszczynski, S (Gruszczynski, Slawomir)
Source: BIOSENSORS & BIOELECTRONICS Volume: 147 Article Number: 111784 DOI: 10.1016/j.bios.2019.111784 Published: JAN 1 2020
Times Cited in Web of Science Core Collection: 14
Total Times Cited: 14
Accession Number: WOS:000498753800011
ISSN: 0956-5663
IF za 2020 = 10.618
Liczba cytowań = 14

Record 14 of 75

Title: Low-Cost Microwave Components' Fabrication in Hybrid Technology of Laminates and Additive Manufacturing on an Example of Miniaturized Suspended Directional Coupler
Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona)
Source: IEEE ACCESS Volume: 8 Pages: 128766-128775 DOI: 10.1109/ACCESS.2020.3008934 Published: 2020
Times Cited in Web of Science Core Collection: 3
Total Times Cited: 3
Accession Number: WOS:000551862700001
eISSN: 2169-3536
IF za 2020 = 3.367
Liczba cytowań = 3

Record 15 of 75

Title: High-performance differentially fed coupled-line directional couplers realised in inhomogeneous medium
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Papapolymerou, J (Papapolymerou, John)

Source: IET MICROWAVES ANTENNAS & PROPAGATION Volume: 13 Issue: 12 Pages: 2005-2012 DOI: 10.1049/iet-map.2018.5737 Published: OCT 2 2019

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000490490300008

ISSN: 1751-8725

IF za 2019 = 1.972

Liczba cytowań = 2

Record 16 of 75

Title: Selectivity improved directional filters using cross-coupling introduced transmission zeros

Author(s): Sorocki, J (Sorocki, Jakub); Staszek, K (Staszek, Kamil); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Source: JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS Volume: 33 Issue: 16 Pages: 2126-2141 DOI: 10.1080/09205071.2019.1663371 Early Access Date: SEP 2019

Published: NOV 2 2019

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000485527200001

ISSN: 0920-5071

IF za 2019 = 1.373

Liczba cytowań = 0

Record 17 of 75

Title: Application of 3-D Printing Technology for the Realization of High-Performance Directional Couplers in Suspended Stripline Technique

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof); Papapolymerou, J (Papapolymerou, John)

Source: IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY Volume: 9 Issue: 8 Pages: 1652-1658 DOI: 10.1109/TCPMT.2019.2903437

Published: AUG 2019

Times Cited in Web of Science Core Collection: 7

Total Times Cited: 7

Accession Number: WOS:000484294000023

ISSN: 2156-3950

IF za 2019 = 1.889

Liczba cytowań = 7

Record 18 of 75

Title: Application of Aerosol Jet 3-D Printing With Conductive and Nonconductive Inks for Manufacturing mm-Wave Circuits

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Craton, MT (Craton, Michael Thomas); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Papapolymerou, J (Papapolymerou, John)

Source: IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY Volume: 9 Issue: 3 Pages: 586-595 DOI: 10.1109/TCPMT.2018.2889698

Published: MAR 2019

Times Cited in Web of Science Core Collection: 9

Total Times Cited: 9

Accession Number: WOS:000461334400022

ISSN: 2156-3950

IF za 2019 = 1.889

Liczba cytowań = 9

Record 19 of 75

Title: Differentially fed impedance-transforming directional coupler

Author(s): Janisz, K (Janisz, K.); Piekarz, I (Piekarz, I.); Staszek, K (Staszek, K.); Wincza, K (Wincza, K.); Gruszczynski, S (Gruszczynski, S.)

Source: ELECTRONICS LETTERS Volume: 55 Issue: 1 Pages: 34-35 DOI: 10.1049/el.2018.6867 Published: JAN 10 2019

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000455018800017

ISSN: 0013-5194

IF za 2019 = 1.316

Liczba cytowań = 0

Record 20 of 75

Title: Liquids Permittivity Measurement Using Two-Wire Transmission Line Sensor

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE SENSORS JOURNAL Volume: 18 Issue: 18 Pages: 7458-7466 DOI: 10.1109/JSEN.2018.2856889 Published: SEP 15 2018

Times Cited in Web of Science Core Collection: 10

Total Times Cited: 10

Accession Number: WOS:000443017200015

ISSN: 1530-437X

IF za 2018 = 3.076

Liczba cytowań = 10

Record 21 of 75

Title: Differentially Fed Directional Couplers With Coupled-Conductors of Unequal Widths

Author(s): Janisz, K (Janisz, Konrad); Piekarz, I (Piekarz, Ilona); Staszek, K (Staszek, Kamil); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 28 Issue: 9
Pages: 759-761 DOI: 10.1109/LMWC.2018.2853585 Published: SEP 2018
Times Cited in Web of Science Core Collection: 14
Total Times Cited: 14
Accession Number: WOS:000443836300007
ISSN: 1531-1309
IF za 2018 = 2.374
Liczba cytowań = 14

Record 22 of 75

Title: Wideband Three-Section Symmetrical Coupled-Line Directional Coupler Operating in Differential Mode
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Janisz, K (Janisz, Konrad); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)
Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 28 Issue: 6
Pages: 488-490 DOI: 10.1109/LMWC.2018.2824565 Published: JUN 2018
Times Cited in Web of Science Core Collection: 13
Total Times Cited: 13
Accession Number: WOS:000434448900012
ISSN: 1531-1309
IF za 2018 = 2.374
Liczba cytowań = 13

Record 23 of 75

Title: Frequency Multiplexer With Improved Selectivity Using Asymmetric Response Directional Filters
Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Janisz, K (Janisz, Konrad); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)
Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 28 Issue: 6
Pages: 491-493 DOI: 10.1109/LMWC.2018.2832846 Published: JUN 2018
Times Cited in Web of Science Core Collection: 4
Total Times Cited: 4
Accession Number: WOS:000434448900013
ISSN: 1531-1309
IF za 2018 = 2.374
Liczba cytowań = 4

Record 24 of 75

Title: Low-Loss Directional Filters Based on Differential Band-Reject Filters With Improved Isolation Using Phase Inverter
Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)
Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 28 Issue: 4
Pages: 314-316 DOI: 10.1109/LMWC.2018.2805864 Published: APR 2018

Times Cited in Web of Science Core Collection: 5

Total Times Cited: 5

Accession Number: WOS:000429690900014

ISSN: 1531-1309

IF za 2018 = 2.374

Liczba cytowań = 5

Record 25 of 75

Title: Low-Cost Microwave Vector System for Liquid Properties Monitoring

Author(s): Staszek, K (Staszek, Kamil); Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Koryciak, S (Koryciak, Sebastian); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir)

Source: IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 65 Issue: 2 Pages: 1665-1674 DOI: 10.1109/TIE.2017.2733423 Published: FEB 2018

Times Cited in Web of Science Core Collection: 30

Total Times Cited: 30

Accession Number: WOS:000418415200072

ISSN: 0278-0046

IF za 2018 = 7.503

Liczba cytowań = 30

Record 26 of 75

Title: Realization of Fully 3D Printed W-band Bandpass Filters using Aerosol Jet Printing Technology

Author(s): Craton, MT (Craton, Michael Thomas); Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Sławomir); Wincza, K (Wincza, Krzysztof); Papapolymerou, J (Papapolymerou, John)

Book Group Author(s): IEEE

Source: 2018 48TH EUROPEAN MICROWAVE CONFERENCE (EUMC) Book Series: European Microwave Conference Pages: 1013-1016 Published: 2018

Times Cited in Web of Science Core Collection: 11

Total Times Cited: 11

Accession Number: WOS:000503067800237

Liczba cytowań = 11

Record 27 of 75

Title: Suspended Microstrip Low-Pass Filter Realized Using FDM Type 3D Printing with Conductive Copper-Based Filament

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir); Papapolymerou, J (Papapolymerou, John)

Book Group Author(s): IEEE

Source: 2018 IEEE 68TH ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE (ECTC 2018) Book Series: Electronic Components and Technology Conference Pages: 2470-2476 DOI: 10.1109/ECTC.2018.00372 Published: 2018

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000514675100359

Liczba cytowań = 2

Record 28 of 75

Title: Experimental Verification of 3D Printed Low-Conductivity Graphene-Enhanced PLA Absorbers for Back Lobe Suppression in Aperture-Coupled Antennas

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Slomian, I (Slomian, Izabela); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2018 IEEE-APS TOPICAL CONFERENCE ON ANTENNAS AND PROPAGATION IN WIRELESS COMMUNICATIONS (APWC) Pages: 780-782 Published: 2018

Times Cited in Web of Science Core Collection: 8

Total Times Cited: 8

Accession Number: WOS:000574770700020

Liczba cytowań = 8

Record 29 of 75

Title: Application of Additive Manufacturing Technologies for Realization of Multilayer Microstrip Directional Filter

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof); Papapolymerou, J (Papapolymerou, John)

Book Group Author(s): IEEE

Source: 2018 IEEE 68TH ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE (ECTC 2018) Book Series: Electronic Components and Technology Conference Pages: 2382-2388 DOI: 10.1109/ECTC.2018.00359 Published: 2018

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000514675100348

Liczba cytowań = 2

Record 30 of 75

Title: Microwave Sensors for Dielectric Sample Measurement Based on Coupled-Line Section
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 65 Issue: 5 Pages: 1615-1631 DOI: 10.1109/TMTT.2016.2641438 Part: 1 Published: MAY 2017

Times Cited in Web of Science Core Collection: 21

Total Times Cited: 21

Accession Number: WOS:000401085700022

ISSN: 0018-9480

IF za 2017 = 3.176

Liczba cytowań = 21

Record 31 of 75

Title: Impedance transforming directional couplers with increased achievable transformation ratio

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES Volume: 9 Issue: 3 Pages: 509-513 DOI: 10.1017/S1759078716000520 Published: APR 2017

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000396191000005

ISSN: 1759-0787

IF za 2017 = 0.745

Liczba cytowań = 1

Record 32 of 75

Title: Low-Cost Planar Coupled-Line Sensor for Permittivity Measurement of Low-Loss Dielectric Materials in a Wide Frequency Range

Author(s): Piekarz, I (Piekarz, Ilona); Janisz, K (Janisz, Konrad); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2017 CONFERENCE ON MICROWAVE TECHNIQUES (COMITE) Published: 2017

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000403400000026

Liczba cytowań = 0

Record 33 of 75

Title: Two-Port Measurement System with Coupled-Line Sensor for Detection of Material Permittivity Change

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2017 CONFERENCE ON MICROWAVE TECHNIQUES (COMITE) Published: 2017

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000403400000025

Liczba cytowań = 0

Record 34 of 75

Title: Rat-Race Directional Couplers Operating in Differential Mode

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2017 IEEE RADIO AND WIRELESS SYMPOSIUM (RWS) Book Series: IEEE Radio and Wireless Symposium Pages: 184-186 Published: 2017

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000403613800052

Liczba cytowań = 2

Record 35 of 75

Title: Multi-Coupled-Line Microwave Sensors for Dielectric Sample Permittivity Change Detection

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2017 INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND SYSTEM ENGINEERING (ICEESE) Pages: 52-56 Published: 2017

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000428396900011

Liczba cytowań = 0

Record 36 of 75

Title: Approach to the Design of Wideband Antenna Arrays with Reduced Coupling between Elements

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2017 CONFERENCE ON MICROWAVE TECHNIQUES (COMITE) Published: 2017

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000403400000024

Liczba cytowań = 0

Record 37 of 75

Title: Investigation on Additive Manufacturing with Conductive PLA Filament for Realisation of Low-loss Suspended Microstrip Microwave Circuits

Author(s): Sorocki, J (Sorocki, Jakub); Koryciak, S (Koryciak, Sebastian); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2017 INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS AND SYSTEM ENGINEERING (ICEESE) Pages: 48-51 Published: 2017

Times Cited in Web of Science Core Collection: 5

Total Times Cited: 5

Accession Number: WOS:000428396900010

Liczba cytowań = 5

Record 38 of 75

Title: Low-Loss Wideband Bandpass Filters Using Semi-Distributed Unit Cells

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Sławomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2017 MEDITERRANEAN MICROWAVE SYMPOSIUM (MMS) Book Series:

Mediterranean Microwave Symposium Published: 2017

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000448199400035

Liczba cytowań = 0

Record 39 of 75

Title: Application of RH and LH sections for reduction of coupling coefficients in two-section asymmetric directional couplers

Author(s): Sorocki, J (Sorocki, Jakub); Staszek, K (Staszek, Kamil); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir)

Source: INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES Volume: 8 Issue: 3 Special Issue: SI Pages: 559-565 DOI: 10.1017/S1759078715000410 Published: MAY 2016

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000375923200019

ISSN: 1759-0787

IF za 2016 = 0.976

Liczba cytowań = 1

Record 40 of 75

Title: Miniaturized Compensated Quasi-Lumped Wideband Marchand Balun

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir)

Book Group Author(s): IEEE

Edited by: Rydosz A

Source: 2016 21ST INTERNATIONAL CONFERENCE ON MICROWAVE, RADAR AND WIRELESS COMMUNICATIONS (MIKON) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390422000034

Liczba cytowań = 0

Record 41 of 75

Title: Simplified Three-Strip Coupled-Line Section as Microwave Sensor for Dielectric Materials Measurement

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390312800024

Liczba cytowań = 0

Record 42 of 75

Title: Calibration Method of Microwave Measurement System for Dielectric Samples Detection

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390312800026

Liczba cytowań = 0

Record 43 of 75

Title: Sensitivity Investigation of Coupled-Line Microwave Sensor on Dielectric Material-Under-Test

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390312800008

Liczba cytowań = 0

Record 44 of 75

Title: Effective Permittivity Measurement with the Use of Coupled-Line Section Sensor

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2016 IEEE RADIO AND WIRELESS SYMPOSIUM (RWS) Book Series: IEEE Radio and Wireless Symposium Pages: 165-168 Published: 2016

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000382152600046

Liczba cytowań = 2

Record 45 of 75

Title: Coupled-Line Sensor With Marchand Balun as RF System for Dielectric Sample Detection

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE SENSORS JOURNAL Volume: 16 Issue: 1 Pages: 88-96 DOI: 10.1109/JSEN.2015.2476957 Published: JAN 2016

Times Cited in Web of Science Core Collection: 23

Total Times Cited: 23

Accession Number: WOS:000366852900014

ISSN: 1530-437X

IF za 2016 = 2.512

Liczba cytowań = 23

Record 46 of 75

Title: Cascaded Loops Directional Filter with Transmission Zeroes for Multiplexing Applications

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Edited by: Rydosz A

Source: 2016 21ST INTERNATIONAL CONFERENCE ON MICROWAVE, RADAR AND WIRELESS COMMUNICATIONS (MIKON) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390422000102

Liczba cytowań = 0

Record 47 of 75

Title: Miniaturized Microstrip Marchand Balun and Coupled-Line Section as Microwave Sensor for Dielectric Material Detection

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390312800027

Liczba cytowań = 0

Record 48 of 75

Title: Differentially Excited Coupled-Line Sensor for Small Dielectric Samples Detection

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390312800025

Liczba cytowań = 0

Record 49 of 75

Title: Compact Microstrip Coupled-Line Directional Coupler Realized in Thick-Film Technology

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW) Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000390312800016

Liczba cytowań = 0

Record 50 of 75

Title: Low-Cost Impedance Tuner Utilizing Quadrature Coupled-Line Coupler for Load and Source Pull Transistor Measurement Applications

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2016 IEEE RADIO AND WIRELESS SYMPOSIUM (RWS) Book Series: IEEE Radio and Wireless Symposium Pages: 169-171 Published: 2016

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000382152600047

Liczba cytowań = 0

Record 51 of 75

Title: Semi-Distributed Approach to Dual-Composite Right/Left-Handed Transmission Lines and Their Application to Bandstop Filters

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 25 Issue: 12
Pages: 784-786 DOI: 10.1109/LMWC.2015.2495114 Published: DEC 2015
Times Cited in Web of Science Core Collection: 8
Total Times Cited: 8
Accession Number: WOS:000366967800007
ISSN: 1531-1309
IF za 2015 = 1.599
Liczba cytowań = 8

Record 52 of 75

Title: Pseudo-highpass filters based on semi-distributed balanced composite right/left-handed unit cells
Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)
Source: JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS Volume: 29 Issue: 16
Pages: 2171-2177 DOI: 10.1080/09205071.2015.1078748 Published: NOV 2 2015
Times Cited in Web of Science Core Collection: 1
Total Times Cited: 1
Accession Number: WOS:000364559700009
ISSN: 0920-5071
IF za 2015 = 0.772
Liczba cytowań = 1

Record 53 of 75

Title: Two-section asymmetric coupled-line impedance transforming directional couplers
Author(s): Wincza, K (Wincza, Krzysztof); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir)
Source: IET MICROWAVES ANTENNAS & PROPAGATION Volume: 9 Issue: 4 Pages: 343-350
DOI: 10.1049/iet-map.2014.0338 Published: MAR 19 2015
Times Cited in Web of Science Core Collection: 7
Total Times Cited: 7
Accession Number: WOS:000351551100008
ISSN: 1751-8725
IF za 2015 = 0.817
Liczba cytowań = 7

Record 54 of 75

Title: Right/Left-Handed Transmission Lines Based on Coupled Transmission Line Sections and Their Application Towards Bandpass Filters
Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)
Source: IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 63 Issue: 2 Pages: 384-396 DOI: 10.1109/TMTT.2014.2378283 Part: 1 Published: FEB 2015
Times Cited in Web of Science Core Collection: 13

Total Times Cited: 13
Accession Number: WOS:000349623300008
ISSN: 0018-9480
IF za 2015 = 2.284
Liczba cytowań = 13

Record 55 of 75

Title: Compact Single-Layer Microstrip Marchand Type Balun
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Slomian, I (Slomian, Izabela); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)
Book Group Author(s): IEEE
Source: 2015 IEEE 16TH ANNUAL WIRELESS AND MICROWAVE TECHNOLOGY CONFERENCE (WAMICON) Published: 2015
Times Cited in Web of Science Core Collection: 0
Total Times Cited: 0
Accession Number: WOS:000380567600036
Liczba cytowań = 0

Record 56 of 75

Title: Wideband Marchand Balun and Bow-tie Antenna for Sensor Applications
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)
Book Group Author(s): IEEE
Source: 2015 INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION (ISAP) Published: 2015
Times Cited in Web of Science Core Collection: 0
Total Times Cited: 0
Accession Number: WOS:000380482800293
Liczba cytowań = 0

Record 57 of 75

Title: Modeling and Performance Improvement of Folded Coupled Lines in Miniaturized Quasi-Lumped Directional Couplers
Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)
Source: INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING Volume: 25 Issue: 1 Pages: 1-9 DOI: 10.1002/mmce.20817 Published: JAN 2015
Times Cited in Web of Science Core Collection: 10
Total Times Cited: 10
Accession Number: WOS:000349964400001
ISSN: 1096-4290
IF za 2015 = 0.524
Liczba cytowań = 10

Record 58 of 75

Title: Approach to the Design of Slot-Coupled-Line Directional Couplers

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Slomian, I (Slomian, Izabela); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2015 IEEE 16TH ANNUAL WIRELESS AND MICROWAVE TECHNOLOGY CONFERENCE (WAMICON) Published: 2015

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000380567600047

Liczba cytowań = 0

Record 59 of 75

Title: Miniaturized Directional Filter Multiplexer for Band Separation in UWB Antenna Systems

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Book Group Author(s): IEEE

Source: 2015 INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION (ISAP) Published: 2015

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000380482800281

Liczba cytowań = 0

Record 60 of 75

Title: Input Match and Output Balance Improvement of Marchand Balun With Connecting Line

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Source: IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS Volume: 24 Issue: 10

Pages: 683-685 DOI: 10.1109/LMWC.2014.2342886 Published: OCT 2014

Times Cited in Web of Science Core Collection: 13

Total Times Cited: 14

Accession Number: WOS:000343611100011

ISSN: 1531-1309

IF za 2014 = 1.703

Liczba cytowań = 13

Record 61 of 75

Title: Broadband Magic-Ts with the Use of Coupled-Line Directional Couplers and Left-Handed Transmission Line Sections

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED
ENGINEERING Volume: 24 Issue: 4 Pages: 513-521 DOI: 10.1002/mmce.20793 Published:
JUL 2014

Times Cited in Web of Science Core Collection: 2

Total Times Cited: 2

Accession Number: WOS:000337749100013

ISSN: 1096-4290

IF za 2014 = 0.538

Liczba cytowań = 2

Record 62 of 75

Title: Directional couplers with reduced coupling requirements as connection of coupled-line
sections and left-handed transmission lines

Author(s): Sorocki, J (Sorocki, Jakub); Staszek, K (Staszek, Kamil); Piekarz, I (Piekarz, Ilona);
Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IET MICROWAVES ANTENNAS & PROPAGATION Volume: 8 Issue: 8 Pages: 580-588

DOI: 10.1049/iet-map.2013.0369 Published: JUN 4 2014

Times Cited in Web of Science Core Collection: 11

Total Times Cited: 11

Accession Number: WOS:000336957900006

ISSN: 1751-8725

IF za 2014 = 0.910

Liczba cytowań = 11

Record 63 of 75

Title: Bandwidth Improvement of Rat- Race Couplers Having Left- Handed Transmission- Line
Sections

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof);
Gruszczynski, S (Gruszczynski, Slawomir)

Source: INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED

ENGINEERING Volume: 24 Issue: 3 Pages: 341-347 DOI: 10.1002/mmce.20766 Published:
MAY 2014

Times Cited in Web of Science Core Collection: 6

Total Times Cited: 6

Accession Number: WOS:000334681400008

ISSN: 1096-4290

IF za 2014 = 0.538

Liczba cytowań = 6

Record 64 of 75

Title: Application of 'C' Section Based Left-Handed Transmission Lines for Coupling
Enhancement of Coupled-Line Directional Couplers

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Slomian, I (Slomian, Izabela);
Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Edited by: Bikonis A; Nyka K

Source: 2014 20TH INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR, AND WIRELESS COMMUNICATION (MIKON) Published: 2014

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000361018800029

Liczba cytowań = 0

Record 65 of 75

Title: Marchand Balun with Connecting Segment Designed with the Use of Multi-Technique Compensation

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Slomian, I (Slomian, Izabela); Staszek, K (Staszek, Kamil); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir)

Book Group Author(s): IEEE

Edited by: Essaaidi M

Source: PROCEEDINGS OF 2014 MEDITERRANEAN MICROWAVE SYMPOSIUM (MMS2014)

Pages: 73-76 Published: 2014

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000411559200018

Liczba cytowań = 0

Record 66 of 75

Title: Multi-Beam and Multi-Range Antenna Array For 24 GHz Radar Applications

Author(s): Slomian, I (Slomian, Izabela); Kaminski, P (Kaminski, Piotr); Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir)

Edited by: Bikonis A; Nyka K

Source: 2014 20TH INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR, AND WIRELESS COMMUNICATION (MIKON) DOI: 10.1109/MIKON.2014.6899867 Published: 2014

Times Cited in Web of Science Core Collection: 7

Total Times Cited: 7

Accession Number: WOS:000361018800040

Liczba cytowań = 7

Record 67 of 75

Title: Dual Polarized Two-Port Antenna Lattice

Author(s): Slomian, I (Slomian, Izabela); Staszek, K (Staszek, Kamil); Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Sławomir)

Book Group Author(s): IEEE

Edited by: Essaaidi M

Source: PROCEEDINGS OF 2014 MEDITERRANEAN MICROWAVE SYMPOSIUM (MMS2014)

Pages: 85-88 Published: 2014

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000411559200021

Liczba cytowań = 0

Record 68 of 75

Title: Single-Layer Coupled-Line Magic-Ts Utilizing LeftHanded Transmission Line Sections

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Slomian, I (Slomian, Izabela);

Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Edited by: Bikonis A; Nyka K

Source: 2014 20TH INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR, AND WIRELESS COMMUNICATION (MIKON) Published: 2014

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000361018800027

Liczba cytowań = 0

Record 69 of 75

Title: Bandwidth-Enhanced Single-Layer 3-dB Tandem Directional Coupler as Magic-T Network

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Slomian, I (Slomian, Izabela);

Staszek, K (Staszek, Kamil); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Edited by: Essaaidi M

Source: PROCEEDINGS OF 2014 MEDITERRANEAN MICROWAVE SYMPOSIUM (MMS2014)

Pages: 77-80 Published: 2014

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000411559200019

Liczba cytowań = 0

Record 70 of 75

Title: Wide-Beam Microstrip Antenna for Application in 24 GHz Short-Range Doppler Sensors

Author(s): Wincza, K (Wincza, Krzysztof); Rydosz, A (Rydosz, Artur); Sorocki, J (Sorocki,

Jakub); Piekarz, I (Piekarz, Ilona); Slomian, I (Slomian, Izabela); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2014 INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION (ISAP)

Pages: 543-544 Published: 2014

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000380478700267

Liczba cytowań = 0

Record 71 of 75

Title: Miniaturized quasi-lumped coupled-line single-section directional coupler designed in multilayer LTCC technology

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Muller, J (Muller, Jens); Welker, T (Welker, Tilo)

Source: MICROWAVE AND OPTICAL TECHNOLOGY LETTERS Volume: 55 Issue: 6 Pages: 1401-1405 DOI: 10.1002/mop.27582 Published: JUN 2013

Times Cited in Web of Science Core Collection: 9

Total Times Cited: 9

Accession Number: WOS:000316966600059

ISSN: 0895-2477

IF za 2013 = 0.623

Liczba cytowań = 9

Record 72 of 75

Title: Meandered Coupled-Line Single-Section Directional Coupler Designed in Multilayer LTCC Technology

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Muller, J (Muller, Jens); Welker, T (Welker, Tilo)

Book Group Author(s): IEEE

Source: 2012 20TH TELECOMMUNICATIONS FORUM (TELFOR) Pages: 983-986 Published: 2012

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000316626800233

Liczba cytowań = 1

Record 73 of 75

Title: Microstrip Antenna Array With Series Feeding Network Designed With the Use of Slot-Coupled Three-Way Power Divider

Author(s): Slomian, I (Slomian, Izabela); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS Volume: 11 Pages: 667-670 DOI: 10.1109/LAWP.2012.2204397 Published: 2012

Times Cited in Web of Science Core Collection: 14

Total Times Cited: 14

Accession Number: WOS:000305839200005

ISSN: 1536-1225

IF za 2012 = 1.667

Liczba cytowań = 14

Record 74 of 75

Title: Series-Fed Linear Antenna Array with Slot Coupler as Power Divider and 180 degrees Phase Shifter

Author(s): Slomian, L (Slomian, Lzabela); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Book Group Author(s): IEEE

Source: 2012 19th International Conference on Microwave Radar and Wireless Communications (MIKON), Vols 1 and 2 Pages: 182-185 Published: 2012

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000392845700034

Liczba cytowań = 0

Record 75 of 75

Title: Asymmetric Coupled-Line Directional Coupler for Application in 4 x 4 Butler Matrix

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona)

Book Group Author(s): IEEE

Source: 2012 20TH TELECOMMUNICATIONS FORUM (TELFOR) Pages: 1747-1750 Published: 2012

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000316626800411

Liczba cytowań = 0

c) Sumaryczny Impact Factor według listy JCR = 106.11

d) łączna liczba cytowań publikacji w Web of Science Core Collection = 316 ; Liczba cytowań publikacji w Web of Science Core Collection z wyłączeniem autocytowań = 223

e) Indeks Hirscha z bazy Web of Science Core Collection = 11

Raport został wykonany przez pracowników Oddziału Informacji Naukowej Biblioteki Głównej AGH

Akademia Górniczo-Hutnicza
im. Stanisława Staszica
BIBLIOTEKA GŁÓWNA
30-059 Kraków, al. Mickiewicza 30
tel. (0-12) 617-32-08, tel./fax 012 634-14-04
18.11.2022 *Helu*

**Raport oceny bibliometrycznej publikacji dr inż. Ilony PIEKARZ
(ORCID ID 0000-0001-9862-5794; Scopus Author ID55266556700)
opracowany na podstawie bazy Scopus wg opcji Search
(stan na dzień 16.11.2022)**

a) Liczba dokumentów indeksowanych w bazie Scopus: 81

b) Wykaz publikacji indeksowanych w bazie Scopus wraz z liczbą cytowań:

1.

Piekarz, I., Sorocki, J., Delmonte, N., Silvestri, L., Marconi, S., Alaimo, G., Auricchio, F., Bozzi, M.

Wideband Microstrip to 3-D-Printed Air-Filled Waveguide Transition Using a Radiation Probe (2022) IEEE Microwave and Wireless Components Letters, 32 (10), pp. 1179-1182.

Liczba cytowań = 0

2.

Piekarz, I., Sorocki, J., Bozzi, M.

Test tube dedicated microwave liquid dielectric sensor for non-contact properties change monitoring and material characterization with tube exchange capability (2022) Measurement: Journal of the International Measurement Confederation, 198, art. no. 111397.

Liczba cytowań = 0

3.

Piekarz, I., Górską, S., Razim, A., Sorocki, J., Wincza, K., Drab, M., Gruszczyński, S.

Planar single and dual-resonant microwave biosensors for label-free bacteria detection (2022) Sensors and Actuators B: Chemical, 351, art. no. 130899. Cited 1 time.

Liczba cytowań = 1

4.

Delmonte, N., Silvestri, L., Tomassoni, C., Piekarz, I., Sorocki, J., Perregini, L., Bozzi, M.

Design and Manufacturing of Microwave Components by 3D Printing

(2022) Mediterranean Microwave Symposium, 2022-May.

Liczba cytowań = 0

5.

Sorocki, J., Piekarz, I., Samulak, A., Delmonte, N., Silvestri, L., Marconi, S., Alaimo, G., Auricchio, F., Bozzi, M.

Additively Fabricated Air-Filled Waveguide Integrated with Printed Circuit Board Using a Through-Patch Transition

(2021) IEEE Microwave and Wireless Components Letters, 31 (11), pp. 1207-1210. Cited 2 times.

Liczba cytowań = 2

6.

Sorocki, J., Piekarz, I., Bozzi, M.

Broadband Permittivity and Permeability Extraction of 3-D-Printed Magneto-Dielectric Substrates

(2021) IEEE Microwave and Wireless Components Letters, 31 (10), pp. 1174-1177. Cited 5 times.

Liczba cytowań = 5

7.

Piekarz, I., Sorocki, J., Delmonte, N., Silvestri, L., Marconi, S., Alaimo, G., Auricchio, F., Bozzi, M.

Microwave-Microfluidic Sensor in Hybrid 3-D Printing and Laminate Technology for Chemicals Monitoring from Differential Reflection

(2021) IEEE MTT-S International Microwave Symposium Digest, 2021-June, pp. 400-403. Cited 2 times.

Liczba cytowań = 2

8.

Sorocki, J., Wincza, K., Gruszczynski, S., Piekarz, I.

Direct Broadband Dielectric Spectroscopy of Liquid Chemicals Using Microwave-Fluidic Two-Wire Transmission Line Sensor

(2021) IEEE Transactions on Microwave Theory and Techniques, 69 (5), art. no. 9363631, pp. 2569-2578.

Liczba cytowań = 0

9.

Piekarz, I., Wincza, K., Gruszczynski, S., Sorocki, J.

Detection of methanol contamination in ethyl alcohol employing a purpose-designed high-sensitivity microwave sensor

(2021) Measurement: Journal of the International Measurement Confederation, 174, art. no. 108993, . Cited 5 times.

Liczba cytowań = 5

10.

Piekarz, I., Sorocki, J., Smolarz, R., Gruszczynski, S., Wincza, K.

Four-Node Antenna Feeding Network for Interfacing with Differential Front-End Electronics

(2021) IEEE Access, 9, art. no. 9468631, pp. 103728-103736. Cited 1 time.

Liczba cytowań = 1

11.

Kruk, A., Sorocki, J., Piekarz, I., Madej, D., Kolenderski, P.

A novel method for ceramic characterisation by high frequency microwave energy absorption

(2021) Measurement: Journal of the International Measurement Confederation, 167, art. no. 108160, . Cited 1 time.

Liczba cytowań = 1

12.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S., Papapolymerou, J.
Broadband Microwave Microfluidic Coupled-Line Sensor with 3-D-Printed Channel for Industrial Applications
(2020) IEEE Transactions on Microwave Theory and Techniques, 68 (7), art. no. 9005412, pp. 2808-2822. Cited 11 times.

Liczba cytowań = 11

13.

Sorocki, J., Piekarz, I.
Low-Cost Microwave Components' Fabrication in Hybrid Technology of Laminates and Additive Manufacturing on an Example of Miniaturized Suspended Directional Coupler
(2020) IEEE Access, 8, art. no. 9139503, pp. 128766-128775. Cited 3 times.

Liczba cytowań = 3

14.

Piekarz, I., Górka, S., Odrobina, S., Drab, M., Wincza, K., Gamian, A., Gruszczynski, S.
A microwave matrix sensor for multipoint label-free Escherichia coli detection
(2020) Biosensors and Bioelectronics, 147, art. no. 111784, . Cited 15 times.

Liczba cytowań = 15

15.

Sorocki, J., Staszek, K., Piekarz, I., Gruszczynski, S., Wincza, K.
Selectivity improved directional filters using cross-coupling introduced transmission zeros
(2019) Journal of Electromagnetic Waves and Applications, 33 (16), pp. 2126-2141.

Liczba cytowań = 0

16.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S., Papapolymerou, J.
High-performance differentially fed coupled-line directional couplers realised in inhomogeneous medium
(2019) IET Microwaves, Antennas and Propagation, 13 (12), pp. 2005-2012. Cited 2 times.

Liczba cytowań = 2

17.

Piekarz, I., Sorocki, J., Craton, M.T., Wincza, K., Gruszczynski, S., Papapolymerou, J.
Application of aerosol jet 3-d printing with conductive and nonconductive inks for manufacturing mm-wave circuits
(2019) IEEE Transactions on Components, Packaging and Manufacturing Technology, 9 (3), art. no. 8589025, pp. 586-595. Cited 9 times.

Liczba cytowań = 9

18.

Janisz, K., Piekarz, I., Staszek, K., Wincza, K., Gruszczynski, S.
Differentially fed impedance-transforming directional coupler
(2019) Electronics Letters, 55 (1), pp. 34-36.

Liczba cytowań = 0

19.

Craton, M.T., Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K., Papapolymerou, J.
Realization of Fully 3D Printed W-Band Bandpass Filters Using Aerosol Jet Printing
Technology
(2018) 2018 48th European Microwave Conference, EuMC 2018, art. no. 8541416, pp. 1013-1016. Cited 13 times.

Liczba cytowań = 13

20.

Sorocki, J., Piekarz, I., Slomian, I., Gruszczynski, S., Wincza, K.
Realization of Compact Patch Antennas on Magneto-Dielectric Substrate Using 3D Printing
Technology with Iron-Enhanced PLA Filament
(2018) Proceedings of the 2018 20th International Conference on Electromagnetics in
Advanced Applications, ICEAA 2018, art. no. 8520472, pp. 185-188. Cited 3 times.

Liczba cytowań = 3

21.

Janisz, K., Piekarz, I., Rydosz, A., Wincza, K., Gruszczynski, S.
Three-section asymmetric differentially-fed broadband coupled-line directional coupler
(2018) Proceedings of the 2018 20th International Conference on Electromagnetics in
Advanced Applications, ICEAA 2018, art. no. 8520485, pp. 19-21. Cited 4 times.

Liczba cytowań = 4

22.

Slomian, I., Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.
Aperture-Coupled Microstrip Antenna Integrated with a PET-G Dielectric Lens
(2018) Proceedings of the 2018 20th International Conference on Electromagnetics in
Advanced Applications, ICEAA 2018, art. no. 8520448, pp. 388-391.

Liczba cytowań = 0

23.

Piekarz, I., Sorocki, J., Slomian, I., Wincza, K., Gruszczynski, S.
Experimental Verification of 3D Printed Low-Conductivity Graphene-Enhanced PLA
Absorbers for Back Lobe Suppression in Aperture-Coupled Antennas

(2018) Proceedings of the 2018 8th IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications, APWC 2018, art. no. 8503752, pp. 780-782. Cited 8 times.

Liczba cytowań = 8

24.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Low-Loss Wideband Bandpass Filters Using Semi-Distributed Unit Cells

(2018) Mediterranean Microwave Symposium, 2017-November, art. no. 8497160.

Liczba cytowań = 0

25.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Liquids Permittivity Measurement Using Two-Wire Transmission Line Sensor

(2018) IEEE Sensors Journal, 18 (18), art. no. 8412541, pp. 7458-7466. Cited 10 times.

Liczba cytowań = 10

26.

Janisz, K., Piekarz, I., Staszek, K., Wincza, K., Gruszczynski, S.

Differentially Fed Directional Couplers With Coupled-Conductors of Unequal Widths

(2018) IEEE Microwave and Wireless Components Letters, 28 (9), art. no. 8418804, pp. 759-761. Cited 14 times.

Liczba cytowań = 14

27.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S., Papapolymerou, J.

Suspended microstrip low-pass filter realized using FDM Type 3D printing with conductive copper-based filament

(2018) Proceedings - Electronic Components and Technology Conference, 2018-May, art. no. 8429885, pp. 2470-2476. Cited 3 times.

Liczba cytowań = 3

28.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K., Papapolymerou, J.

Application of additive manufacturing technologies for realization of multilayer microstrip directional filter

(2018) Proceedings - Electronic Components and Technology Conference, 2018-May, art. no. 8429872, pp. 2382-2388. Cited 3 times.

Liczba cytowań = 3

29.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Coupled-line sensor setup with liquids and solids permittivity sensing capability developed with the use of 3D printing technology

(2018) MIKON 2018 - 22nd International Microwave and Radar Conference, pp. 19-23. Cited 1 time.

Liczba cytowań = 1

30.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Low-loss pseudo-highpass filters using distributed-element unit cells

(2018) MIKON 2018 - 22nd International Microwave and Radar Conference, pp. 483-486.

Liczba cytowań = 0

31.

Sorocki, J., Piekarz, I., Janisz, K., Gruszczynski, S., Wincza, K.

Frequency Multiplexer with Improved Selectivity Using Asymmetric Response Directional Filters

(2018) IEEE Microwave and Wireless Components Letters, 28 (6), pp. 491-493. Cited 3 times.

Liczba cytowań = 3

32.

Piekarz, I., Sorocki, J., Janisz, K., Wincza, K., Gruszczynski, S.

Wideband Three-Section Symmetrical Coupled-Line Directional Coupler Operating in Differential Mode

(2018) IEEE Microwave and Wireless Components Letters, 28 (6), pp. 488-490. Cited 14 times.

Liczba cytowań = 14

33.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Low-Loss Directional Filters Based on Differential Band-Reject Filters with Improved Isolation Using Phase Inverter

(2018) IEEE Microwave and Wireless Components Letters, 28 (4), pp. 314-316. Cited 7 times.

Liczba cytowań = 7

34.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Multi-coupled-line microwave sensors for dielectric sample permittivity change detection

(2018) 2017 International Conference on Electrical, Electronics and System Engineering, ICEESE 2017, 2018-January, pp. 52-56.

Liczba cytowań = 0

35.

Sorocki, J., Koryciak, S., Piekarz, I., Gruszczynski, S., Wincza, K.

Investigation on additive manufacturing with conductive PLA filament for realisation of low-loss suspended microstrip microwave circuits

(2018) 2017 International Conference on Electrical, Electronics and System Engineering, ICEESE 2017, 2018-January, pp. 48-51. Cited 5 times.

Liczba cytowań = 5

36.

Piekarz, I., Janisz, K., Sorocki, J., Wincza, K., Gruszczynski, S.

Low-cost planar coupled-line sensor for permittivity measurement of low-loss dielectric materials in a wide frequency range

(2017) 2017 Conference on Microwave Techniques, COMITE 2017, art. no. 7932363.

Liczba cytowań = 0

37.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Two-port measurement system with coupled-line sensor for detection of material permittivity change

(2017) 2017 Conference on Microwave Techniques, COMITE 2017, art. no. 7932362.

Liczba cytowań = 0

38.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Approach to the design of wideband antenna arrays with reduced coupling between elements

(2017) 2017 Conference on Microwave Techniques, COMITE 2017, art. no. 7932361, . Cited 3 times.

Liczba cytowań = 3

39.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Microwave Sensors for Dielectric Sample Measurement Based on Coupled-Line Section

(2017) IEEE Transactions on Microwave Theory and Techniques, 65 (5), art. no. 7815418, pp. 1615-1631. Cited 25 times.

Liczba cytowań = 25

40.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Rat-race directional couplers operating in differential mode

(2017) IEEE Radio and Wireless Symposium, RWS, art. no. 7885982, pp. 184-186. Cited 2 times.

Liczba cytowań = 2

41.

Staszek, K., Piekarz, I., Sorocki, J., Koryciak, S., Wincza, K., Gruszczynski, S.

Low-cost microwave vector system for liquid properties monitoring

(2017) IEEE Transactions on Industrial Electronics, 65 (2), art. no. 2733423, pp. 1665-1674.
Cited 36 times.

Liczba cytowań = 36

42.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Miniaturized microstrip Marchand balun and coupled-line section as microwave sensor for dielectric material detection

(2016) 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016, art. no. 7538018, . Cited 1 time.

Liczba cytowań = 1

43.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Compact microstrip coupled-line directional coupler realized in thick-film technology

(2016) 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016, art. no. 7538005.

Liczba cytowań = 0

44.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Calibration method of microwave measurement system for dielectric samples detection

(2016) 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016, art. no. 7538017. Cited 1 time.

Liczba cytowań = 1

45.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Simplified three-strip coupled-line section as microwave sensor for dielectric materials measurement

(2016) 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016, art. no. 7538015. Cited 2 times.

Liczba cytowań = 2

46.

Piekarz, I., Sorocki, J., Gruszczynski, S., Wincza, K.

Sensitivity investigation of coupled-line microwave sensor on dielectric material-under-test

(2016) 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016, art. no. 7537994. Cited 1 time.

Liczba cytowań = 1

47.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Differentially excited coupled-line sensor for small dielectric samples detection

(2016) 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016, art. no. 7538016, . Cited 1 time.

Liczba cytowań = 1

48.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Miniaturized compensated quasi-lumped wideband Marchand balun

(2016) 2016 21st International Conference on Microwave, Radar and Wireless Communications, MIKON 2016, art. no. 7491970, . Cited 1 time.

Liczba cytowań = 1

49.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Cascaded loops directional filter with transmission zeroes for multiplexing applications

(2016) 2016 21st International Conference on Microwave, Radar and Wireless Communications, MIKON 2016, art. no. 7492043, . Cited 4 times.

Liczba cytowań = 4

50.

Sorocki, J., Staszek, K., Piekarz, I., Wincza, K., Gruszczynski, S.

Application of RH and LH sections for reduction of coupling coefficients in two-section asymmetric directional couplers

(2016) International Journal of Microwave and Wireless Technologies, 8 (3), pp. 559-565. Cited 1 time.

Liczba cytowań = 1

51.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Impedance transforming directional couplers with increased achievable transformation ratio

(2016) International Journal of Microwave and Wireless Technologies, 9 (3), pp. 509-513. Cited 1 time.

Liczba cytowań = 1

52.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Miniaturized directional filter multiplexer for band separation in UWB antenna systems

(2016) 2015 International Symposium on Antennas and Propagation, ISAP 2015, art. no. 7447551. Cited 3 times.

Liczba cytowań = 3

53.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Wideband Marchand balun and bow-tie antenna for sensor applications

(2016) 2015 International Symposium on Antennas and Propagation, ISAP 2015, art. no. 7447563. Cited 1 time.

Liczba cytowań = 1

54.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Effective permittivity measurement with the use of coupled-line section sensor

(2016) IEEE Radio and Wireless Symposium, RWS, 2016-March, art. no. 7444394, pp. 165-168. Cited 11 times.

Liczba cytowań = 11

55.

Sorocki, J., Piekarz, I., Gruszczynski, S., Wincza, K.

Low-cost impedance tuner utilizing quadrature coupled-line coupler for load and source pull transistor measurement applications

(2016) IEEE Radio and Wireless Symposium, RWS, 2016-March, art. no. 7444395, pp. 169-171.

Liczba cytowań = 0

56.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Coupled-Line Sensor With Marchand Balun as RF System for Dielectric Sample Detection

(2016) IEEE Sensors Journal, 16 (1), art. no. 7243302, pp. 88-96. Cited 26 times.

Liczba cytowań = 26

57.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Semi-Distributed Approach to Dual-Composite Right/Left-Handed Transmission Lines and Their Application to Bandstop Filters

(2015) IEEE Microwave and Wireless Components Letters, 25 (12), art. no. 7317605, pp. 784-786. Cited 9 times.

Liczba cytowań = 9

58.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Pseudo-highpass filters based on semi-distributed balanced composite right/left-handed unit cells

(2015) Journal of Electromagnetic Waves and Applications, 29 (16), pp. 2171-2177. Cited 2 times.

Liczba cytowań = 2

59.

Piekarz, I., Sorocki, J., Slomian, I., Wincza, K., Gruszczynski, S.

Compact single-layer microstrip Marchand type balun

(2015) 2015 IEEE 16th Annual Wireless and Microwave Technology Conference, WAMICON 2015, art. no. 7120384, . Cited 1 time.

Liczba cytowań = 1

60.

Sorocki, J., Piekarz, I., Slomian, I., Wincza, K., Gruszczynski, S.

Approach to the design of slot-coupled-line directional couplers

(2015) 2015 IEEE 16th Annual Wireless and Microwave Technology Conference, WAMICON 2015, art. no. 7120395.

Liczba cytowań = 1

61.

Piekarz, I., Sorocki, J., Slomian, I., Staszek, K., Wincza, K., Gruszczynski, S.

Marchand balun with connecting segment designed with the use of multi-technique compensation

(2015) Mediterranean Microwave Symposium, 2015-April, art. no. 7088959.

Liczba cytowań = 0

62.

Slomian, I., Staszek, K., Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Dual polarized two-port antenna lattice

(2015) Mediterranean Microwave Symposium, 2015-April, art. no. 7088962.

Liczba cytowań = 0

63.

Sorocki, J., Piekarz, I., Slomian, I., Staszek, K., Wincza, K., Gruszczynski, S.

Bandwidth-enhanced single-layer 3-dB tandem directional coupler as magic-T network

(2015) Mediterranean Microwave Symposium, 2015-April, art. no. 7088960.

Liczba cytowań = 0

64.

Wincza, K., Piekarz, I., Gruszczynski, S.

Two-section asymmetric coupled-line impedance transforming directional couplers

(2015) IET Microwaves, Antennas and Propagation, 9 (4), pp. 343-350. Cited 5 times.

Liczba cytowań = 5

65.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Right/left-handed transmission lines based on coupled transmission line sections and their application towards bandpass filters

(2015) IEEE Transactions on Microwave Theory and Techniques, 63 (2), art. no. 6985681, pp. 384-396. Cited 19 times.

Liczba cytowań = 19

66.

Wincza, K., Rydosz, A., Sorocki, J., Piekarz, I., Slomian, I., Gruszczynski, S.

Wide-beam microstrip antenna for application in 24 GHz short-range Doppler sensors
(2015) ISAP 2014 - 2014 International Symposium on Antennas and Propagation, Conference Proceedings, art. no. 7026766, pp. 543-544. Cited 4 times.

Liczba cytowań = 4

67.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S.

Modeling and performance improvement of folded coupled lines in miniaturized quasi-lumped directional couplers

(2015) International Journal of RF and Microwave Computer-Aided Engineering, 25 (1), pp. 1-9. Cited 10 times.

Liczba cytowań = 10

68.

Piekarz, I., Sorocki, J., Gruszczynski, S., Wincza, K.

Input match and output balance improvement of Marchand Balun with connecting line
(2014) IEEE Microwave and Wireless Components Letters, 24 (10), art. no. 6870669, pp. 683-685. Cited 14 times.

Liczba cytowań = 14

69.

Sorocki, J., Piekarz, I., Slomian, I., Gruszczynski, S., Wincza, K.

Single-layer coupled-line magic-Ts utilizing left-handed transmission line sections
(2014) 2014 20th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2014, art. no. 6899853. Cited 1 time.

Liczba cytowań = 1

70.

Slomian, I., Kaminski, P., Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Multi-beam and multi-range antenna array for 24 GHz radar applications
(2014) 2014 20th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2014, art. no. 6899867, . Cited 7 times.

Liczba cytowań = 7

71.

Piekarz, I., Sorocki, J., Slomian, I., Gruszczynski, S., Wincza, K.

Application of 'C' section based left-handed transmission lines for coupling enhancement of coupled-line directional couplers

(2014) 2014 20th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2014, art. no. 6899855.

Liczba cytowań = 0

72.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Broadband magic-Ts with the use of coupled-line directional couplers and left-handed transmission line sections

(2014) International Journal of RF and Microwave Computer-Aided Engineering, 24 (4), pp. 513-521. Cited 5 times.

Liczba cytowań = 5

73.

Sorocki, J., Staszek, K., Piekarz, I., Wincza, K., Gruszczynski, S.

Directional couplers with reduced coupling requirements as connection of coupled-line sections and left-handed transmission lines

(2014) IET Microwaves, Antennas and Propagation, 8 (8), pp. 580-588. Cited 13 times.

Liczba cytowań = 13

74.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczynski, S.

Bandwidth improvement of rat-race couplers having left-handed transmission-line sections

(2014) International Journal of RF and Microwave Computer-Aided Engineering, 24 (3), pp. 341-347. Cited 7 times.

Liczba cytowań = 7

75.

Piekarz, I., Sorocki, J., Slomian, I., Sloma, M., Kaminski, P., Wincza, K., Gruszczynski, S.

Miniaturized coupled-line directional coupler designed with the use of photoimageable Thick-Film technology

(2013) CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings, art. no. 6653023, pp. 705-707.

Liczba cytowań = 0

76.

Sanz, P., Slomian, I., Piekarz, I., Sorocki, J., Kaminski, P., Wincza, K., Gruszczynski, S.

Four-beam antenna array for 24 GHz applications fed by 4×4 Butler matrix

(2013) CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings, art. no. 6652953, pp. 559-561.

Liczba cytowań = 0

77.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S., Muller, J., Welker, T.

Miniaturized quasi-lumped coupled-line single-section directional coupler designed in multilayer LTCC technology

(2013) Microwave and Optical Technology Letters, 55 (6), pp. 1401-1405. Cited 10 times.

Liczba cytowań = 10

78.

Sorocki, J., Piekarz, I.

Asymmetric coupled-line directional coupler for application in 4 × 4 Butler matrix

(2012) 2012 20th Telecommunications Forum, TELFOR 2012 - Proceedings, art. no. 6419566, pp. 1747-1750. Cited 2 times.

Liczba cytowań = 2

79.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczynski, S., Muller, J., Welker, T.

Meandered coupled-line single-section directional coupler designed in multilayer LTCC technology

(2012) 2012 20th Telecommunications Forum, TELFOR 2012 - Proceedings, art. no. 6419374, pp. 983-986. Cited 1 time.

Liczba cytowań = 1

80.

Slomian, I., Piekarz, I., Wincza, K., Gruszczynski, S.

Series-fed linear antenna array with slot coupler as power divider and 180° phase shifter

(2012) 2012 19th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2012, 1, art. no. 6233495, pp. 182-185.

Liczba cytowań = 0

81.

Slomian, I., Piekarz, I., Wincza, K., Gruszczynski, S.

Microstrip antenna array with series feeding network designed with the use of slot-coupled three-way power divider

(2012) IEEE Antennas and Wireless Propagation Letters, 11, art. no. 6216399, pp. 667-670. Cited 16 times.

Liczba cytowań = 16

c) łączna liczba cytowań publikacji w bazie Scopus = 392;

Liczba cytowań publikacji w bazie Scopus z wyłączeniem autocytowań wszystkich współautorów = 215

d) Indeks Hirscha = 11

e) Indeks Hirscha po wyłączeniu autocytowań wszystkich współautorów = 8

Raport został wykonany przez pracowników Oddziału Informacji Naukowej Biblioteki Głównej AGH

**Raport oceny bibliometrycznej osiągnięć naukowych dr inż. Ilony PIEKARZ
(ORCID ID 0000-0001-9862-5794; Scopus Author ID 55266556700)
opracowany na podstawie bazy Scopus wg opcji Search
(stan na dzień 16.11.2022)**

a) Liczba dokumentów indeksowanych w bazie Scopus: 9

b) Wykaz publikacji indeksowanych w bazie Scopus wraz z liczbą cytowań:

1.

Piekarz, I., Sorocki, J., Bozzi, M.

Test tube dedicated microwave liquid dielectric sensor for non-contact properties change monitoring and material characterization with tube exchange capability

(2022) Measurement: Journal of the International Measurement Confederation, 198, art. no. 111397.

Liczba cytowań = 0

2.

Piekarz, I., Górka, S., Razim, A., Sorocki, J., Wincza, K., Drab, M., Gruszczyński, S.

Planar single and dual-resonant microwave biosensors for label-free bacteria detection

(2022) Sensors and Actuators B: Chemical, 351, art. no. 130899. Cited 1 time.

Liczba cytowań = 1

3.

Piekarz, I., Sorocki, J., Delmonte, N., Silvestri, L., Marconi, S., Alaimo, G., Auricchio, F., Bozzi, M.

Microwave-Microfluidic Sensor in Hybrid 3-D Printing and Laminate Technology for Chemicals Monitoring from Differential Reflection

(2021) IEEE MTT-S International Microwave Symposium Digest, 2021-June, pp. 400-403. Cited 2 times.

Liczba cytowań = 2

4.

Sorocki, J., Wincza, K., Gruszczyński, S., Piekarz, I.

Direct Broadband Dielectric Spectroscopy of Liquid Chemicals Using Microwave-Fluidic Two-Wire Transmission Line Sensor

(2021) IEEE Transactions on Microwave Theory and Techniques, 69 (5), art. no. 9363631, pp. 2569-2578.

Liczba cytowań = 0

5.

Piekarz, I., Wincza, K., Gruszczyński, S., Sorocki, J.

Detection of methanol contamination in ethyl alcohol employing a purpose-designed high-sensitivity microwave sensor

(2021) Measurement: Journal of the International Measurement Confederation, 174, art. no. 108993. Cited 5 times.

Liczba cytowań = 5

6.

Piekarz, I., Sorocki, J., Smolarz, R., Gruszczyński, S., Wincza, K.

Four-Node Antenna Feeding Network for Interfacing with Differential Front-End Electronics (2021) IEEE Access, 9, art. no. 9468631, pp. 103728-103736. Cited 1 time.

Liczba cytowań = 1

7.

Sorocki, J., Piekarz, I., Wincza, K., Gruszczyński, S., Papapolymerou, J.

Broadband Microwave Microfluidic Coupled-Line Sensor with 3-D-Printed Channel for Industrial Applications

(2020) IEEE Transactions on Microwave Theory and Techniques, 68 (7), art. no. 9005412, pp. 2808-2822. Cited 11 times.

Liczba cytowań = 11

8.

Piekarz, I., Górka, S., Odrobina, S., Drab, M., Wincza, K., Gamian, A., Gruszczyński, S.

A microwave matrix sensor for multipoint label-free Escherichia coli detection

(2020) Biosensors and Bioelectronics, 147, art. no. 111784, . Cited 15 times.

Liczba cytowań = 15

9.

Piekarz, I., Sorocki, J., Wincza, K., Gruszczyński, S.

Liquids Permittivity Measurement Using Two-Wire Transmission Line Sensor

(2018) IEEE Sensors Journal, 18 (18), art. no. 8412541, pp. 7458-7466. Cited 10 times.

Liczba cytowań = 10

c) łączna liczba cytowań publikacji w bazie Scopus = 45;

Liczba cytowań publikacji w bazie Scopus z wyłączeniem autocytowań wszystkich współautorów = 29;

d) Indeks Hirscha = 4

e) Indeks Hirscha po wyłączeniu autocytowań wszystkich współautorów = 4

Raport został wykonany przez pracowników Oddziału Informacji Naukowej Biblioteki Głównej AGH

**Raport oceny bibliometrycznej osiągnięć naukowych dr inż. Ilony PIEKARZ
(ResearcherID: S-3635-2017, ORCID ID 0000-0001-9862-5794) opracowany na podstawie
bazy Web of Science Core Collection wg opcji Search
(stan na dzień 16.11.2022)**

a) Liczba publikacji indeksowanych w bazie Web of Science Core Collection: 9, w tym 8 publikacji w czasopismach z listy Journal Citation Reports (JCR), posiadające Impact Factor (IF).

b) Wykaz publikacji indeksowanych w bazie Web of Science Core Collection wraz z wartością IF dla poszczególnych publikacji naukowych według listy Journal Citation Reports (JCR) wraz z liczbą cytowań

Record 1 of 9

Title: Test tube dedicated microwave liquid dielectric sensor for non-contact properties change monitoring and material characterization with tube exchange capability

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Bozzi, M (Bozzi, Maurizio)

Source: MEASUREMENT Volume: 198 Article Number: 111397 DOI:

10.1016/j.measurement.2022.111397 Published: JUL 2022

Times Cited in Web of Science Core Collection: 0

Total Times Cited: 0

Accession Number: WOS:000807735800003

ISSN: 0263-2241

IF za 2021 = 5.131

Liczba cytowań = 0

Record 2 of 9

Title: Planar single and dual-resonant microwave biosensors for label-free bacteria detection

Author(s): Piekarz, I (Piekarz, Ilona); Gorska, S (Gorska, Sabina); Razim, A (Razim, Agnieszka); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Drab, M (Drab, Marek);

Gruszczyński, S (Gruszczyński, Sławomir)

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 351 Article Number: 130899 DOI:

10.1016/j.snb.2021.130899 Early Access Date: OCT 2021 Published: JAN 15 2022

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000721806600004

eISSN: 0925-4005

IF za 2021 = 9.221

Liczba cytowań = 1

Record 3 of 9

Title: Four-Node Antenna Feeding Network for Interfacing With Differential Front-End Electronics

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Smolarz, R (Smolarz, Robert); Gruszczynski, S (Gruszczynski, Slawomir); Wincza, K (Wincza, Krzysztof)

Source: IEEE ACCESS Volume: 9 Pages: 103728-103736 DOI:

10.1109/ACCESS.2021.3093656 Published: 2021

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000678314400001

eISSN: 2169-3536

IF za 2021 = 3.476

Liczba cytowań = 1

Record 4 of 9

Title: Detection of methanol contamination in ethyl alcohol employing a purpose-designed high-sensitivity microwave sensor

Author(s): Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Sorocki, J (Sorocki, Jakub)

Source: MEASUREMENT Volume: 174 Article Number: 108993 DOI:

10.1016/j.measurement.2021.108993 Early Access Date: JAN 2021 Published: APR 2021

Times Cited in Web of Science Core Collection: 5

Total Times Cited: 5

Accession Number: WOS:000634798600003

ISSN: 0263-2241

IF za 2021 = 5.131

Liczba cytowań = 5

Record 5 of 9

Title: Direct Broadband Dielectric Spectroscopy of Liquid Chemicals Using Microwave-Fluidic Two-Wire Transmission Line Sensor

Author(s): Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Piekarz, I (Piekarz, Ilona)

Source: IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 69 Issue: 5 Pages: 2569-2578 DOI: 10.1109/TMTT.2021.3059646 Published: MAY 2021

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000662675000014

ISSN: 0018-9480

IF za 2021 = 4.381

Liczba cytowań = 1

Record 6 of 9

Title: Broadband Microwave Microfluidic Coupled-Line Sensor With 3-D-Printed Channel for Industrial Applications

Author(s): Sorocki, J (Sorocki, Jakub); Piekarz, I (Piekarz, Ilona); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir); Papapolymerou, J (Papapolymerou, John)

Source: IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES Volume: 68 Issue: 7 Pages: 2808-2822 DOI: 10.1109/TMTT.2020.2972525 Published: JUL 2020

Times Cited in Web of Science Core Collection: 9

Total Times Cited: 10

Accession Number: WOS:000544916000032

ISSN: 0018-9480

IF za 2020 = 3.599

Liczba cytowań = 9

Record 7 of 9

Title: A microwave matrix sensor for multipoint label-free Escherichia coli detection

Author(s): Piekarz, I (Piekarz, Ilona); Gorska, S (Gorska, Sabina); Odrobina, S (Odrobina, Szczepan); Drab, M (Drab, Marek); Wincza, K (Wincza, Krzysztof); Gamian, A (Gamian, Andrzej); Gruszczynski, S (Gruszczynski, Slawomir)

Source: BIOSENSORS & BIOELECTRONICS Volume: 147 Article Number: 111784 DOI: 10.1016/j.bios.2019.111784 Published: JAN 1 2020

Times Cited in Web of Science Core Collection: 14

Total Times Cited: 14

Accession Number: WOS:000498753800011

ISSN: 0956-5663

IF za 2020 = 10.618

Liczba cytowań = 14

Record 8 of 9

Title: Liquids Permittivity Measurement Using Two-Wire Transmission Line Sensor

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Wincza, K (Wincza, Krzysztof); Gruszczynski, S (Gruszczynski, Slawomir)

Source: IEEE SENSORS JOURNAL Volume: 18 Issue: 18 Pages: 7458-7466 DOI: 10.1109/JSEN.2018.2856889 Published: SEP 15 2018

Times Cited in Web of Science Core Collection: 10

Total Times Cited: 10

Accession Number: WOS:000443017200015

ISSN: 1530-437X

IF za 2018 = 3.076

Liczba cytowań = 10

Record 9 of 9

Title: Microwave-Microfluidic Sensor in Hybrid 3-D Printing and Laminate Technology for Chemicals Monitoring from Differential Reflection

Author(s): Piekarz, I (Piekarz, Ilona); Sorocki, J (Sorocki, Jakub); Delmonte, N (Delmonte, Nicolo); Silvestri, L (Silvestri, Lorenzo); Marconi, S (Marconi, Stefania); Alaimo, G (Alaimo, Gianluca); Auricchio, F (Auricchio, Ferdinando); Bozzi, M (Bozzi, Maurizio)

Book Group Author(s): IEEE

Source: 2021 IEEE MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM (IMS) Book Series: IEEE MTT-S International Microwave Symposium Pages: 400-403 DOI:

10.1109/IMS19712.2021.9574915 Published: 2021

Times Cited in Web of Science Core Collection: 1

Total Times Cited: 1

Accession Number: WOS:000852934400107

Liczba cytowań = 1

c) Sumaryczny Impact Factor według listy JCR = 44.633 (tu należy dodać wartości IF)

d) Łączna liczba cytowań publikacji w Web of Science Core Collection = 42 ; Liczba cytowań publikacji w Web of Science Core Collection z wyłączeniem autocytowań = 28

e) Indeks Hirscha z bazy Web of Science Core Collection = 4

Raport został wykonany przez pracowników Oddziału Informacji Naukowej Biblioteki Głównej AGH

Akademia Górniczo-Hutnicza
im. Stanisława Staszica
BIBLIOTEKA GŁÓWNA
30-059 Kraków, al. Mickiewicza 30
tel. (0-12) 617-32-08, tel./fax 012 634-14-04
18.11.2022 *Helu3*

