# Cumali Sabah

List of Publications by Year
in descending order



| 180 | 3,788 | 109137 35 | 189595 50 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 182 | 182 | 182 | 1787 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | MULTILAYER SYSTEM OF LORENTZ/DRUDE TYPE METAMATERIALS WITH DIELECTRIC SLABS AND ITS APPLICATION TO ELECTROMAGNETIC FILTERS. Progress in Electromagnetics Research, 2009, 91, 349-364. | 1.6 | 113 |
| 2 | Dual-band perfect metamaterial absorber for solar cell applications. Vacuum, 2015, 120, 68-74. | 1.6 | 95 |
| 3 | POLARIZATION ANGLE INDEPENDENT PERFECT METAMATERIAL ABSORBERS FOR SOLAR CELL APPLICATIONS IN THE MICROWAVE, INFRARED, AND VISIBLE REGIME. Progress in Electromagnetics Research, 2014, 144, 93-101. | 1.6 | 94 |
| 4 | Perfect metamaterial absorber with polarization and incident angle independencies based on ring and cross-wire resonators for shielding and a sensor application. Optics Communications, 2014, 322, 137-142. | 1.0 | 94 |
| 5 | Microwave metamaterial absorber for sensing applications. Opto-electronics Review, 2017, 25, 318-325. | 2.4 | 92 |
| 6 | Microwave energy harvesting based on metamaterial absorbers with multi-layered square split rings for wireless communications. Optics Communications, 2017, 392, 31-38. | 1.0 | 78 |
| 7 | Solar energy harvesting with ultra-broadband metamaterial absorber. International Journal of Modern Physics B, 2019, 33, 1950056. | 1.0 | 78 |
| 8 | Multiband Metamaterial Absorber Design Based on Plasmonic Resonances for Solar Energy Harvesting. Plasmonics, 2016, 11, 1313-1321. | 1.8 | 77 |
| 9 | Design and characterization of a dual-band perfect metamaterial absorber for solar cell applications. Journal of Alloys and Compounds, 2016, 671, 43-50. | 2.8 | 74 |
| 10 | DESIGN OF POLARIZATION AND INCIDENT ANGLE INSENSITIVE DUAL-BAND METAMATERIAL ABSORBER BASED ON ISOTROPIC RESONATORS. Progress in Electromagnetics Research, 2014, 144, 123-132. | 1.6 | 71 |
| 11 | Wide-band polarization independent perfect metamaterial absorber based on concentric rings topology for solar cells application. Journal of Alloys and Compounds, 2016, 680, 473-479. | 2.8 | 71 |
| 12 | Design and study of a metamaterial based sensor for the application of liquid chemicals detection. Journal of Materials Research and Technology, 2020, 9, 10291-10304. | 2.6 | 60 |
| 13 | Stepwise technique for accurate and unique retrieval of electromagnetic properties of bianisotropic metamaterials. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1058. | 0.9 | 59 |
| 14 | Perfect metamaterial absorber design for solar cell applications. Waves in Random and Complex Media, 2015, 25, 382-392. | 1.6 | 58 |
| 15 | Wideband Microwave Absorber Comprising Metallic Split-Ring Resonators Surrounded With E-Shaped Fractal Metamaterial. IEEE Access, 2021, 9, 5670-5677. | 2.6 | 57 |
| 16 | DESIGN OF A TERAHERTZ POLARIZATION ROTATOR BASED ON A PERIODIC SEQUENCE OF CHIRAL-METAMATERIAL AND DIELECTRIC SLABS. Progress in Electromagnetics Research, 2012, 124, 301-314. | 1.6 | 55 |
| 17 | Tunable perfect metamaterial absorber and sensor applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 12091-12099. | 1.1 | 55 |
| 18 | TUNABLE METAMATERIAL DESIGN COMPOSED OF TRIANGULAR SPLIT RING RESONATOR AND WIRE STRIP FOR S- AND C- MICROWAVE BANDS. Progress in Electromagnetics Research B, 2010, 22, 341-357. | 0.7 | 53 |

| # | Article | IF | Citations |
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| 19 | Broad-band polarization-independent metamaterial absorber for solar energy harvesting applications. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 90, 1-6. | 1.3 | 51 |
| 20 | Fishnet based metamaterial loaded THz patch antenna. Optical and Quantum Electronics, 2016, 48, 1. | 1.5 | 50 |
| 21 | Design of metasurface polarization converter from linearly polarized signal to circularly polarized signal. Optik, 2018, 161, 12-19. | 1.4 | 47 |
| 22 | DUAL-BAND POLARIZATION INDEPENDENT METAMATERIAL ABSORBER BASED ON OMEGA RESOANATOR AND OCTA-STAR STRIP CONFIGURATION. Progress in Electromagnetics Research, 2013, 141, 219-231. | 1.6 | 46 |
| 23 | Fluid, Strain and Rotation Sensing Applications by Using Metamaterial Based Sensor. Journal of the Electrochemical Society, 2017, 164, B567-B573. | 1.3 | 46 |
| 24 | Microfluidic and Fuel Adulteration Sensing by Using Chiral Metamaterial Sensor. Journal of the Electrochemical Society, 2018, 165, B475-B483. | 1.3 | 46 |
| 25 | Terahertz sensing application by using planar split-ring-resonator structures. Microsystem Technologies, 2012, 18, 2071-2076. | 1.2 | 43 |
| 26 | ASYMMETRIC TRANSMISSION OF LINEARLY POLARIZED WAVES AND DYNAMICALLY WAVE ROTATION USING CHIRAL METAMATERIAL. Progress in Electromagnetics Research, 2013, 140, 227-239. | 1.6 | 43 |
| 27 | A Tunable Metamaterial Resonator Using Varactor Diodes to Facilitate the Design of Reconfigurable Microwave Circuits. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 89-93. | 2.2 | 43 |
| 28 | The analysis on sun tracking and cooling systems for photovoltaic panels. Renewable and Sustainable Energy Reviews, 2013, 22, 598-603. | 8.2 | 42 |
| 29 | Design of Polarization- and Incident Angle-Independent Perfect Metamaterial Absorber with Interference Theory. Journal of Electronic Materials, 2014, 43, 3949-3953. | 1.0 | 42 |
| 30 | Polarization-insensitive FSS-based perfect metamaterial absorbers for GHz and THz frequencies. Radio Science, 2014, 49, 306-314. | 0.8 | 42 |
| 31 | Cross-like terahertz metamaterial absorber for sensing applications. Pramana - Journal of Physics, 2018, 91, 1. | 0.9 | 42 |
| 32 | Enhancement of image quality by using metamaterial inspired energy harvester. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126041. | 0.9 | 41 |
| 33 | Multiband Metamaterials Based on Multiple Concentric Open-Ring Resonators Topology. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8500808-8500808. | 1.9 | 40 |
| 34 | Tunable perfect metamaterial absorber design using the golden ratio and energy harvesting and sensor applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 9735-9740. | 1.1 | 40 |
| 35 | Graphene-based wideband metamaterial absorber for solar cells application. Journal of Nanophotonics, 2017, 11, 036008. | 0.4 | 40 |
| 36 | Electromagnetic wave propagation through frequency-dispersive and lossy double-negative slab. Opto-electronics Review, 2007, 15, . | 2.4 | 39 |

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| 37 | Multi-band metamaterial absorber topology for infrared frequency regime. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 44-51. | 1.3 | 37 |
| 38 | Broad band metamaterial absorber based on wheel resonators with lumped elements for microwave energy harvesting. Optical and Quantum Electronics, 2018, 50, 1. | 1.5 | 37 |
| 39 | Design and analysis of perfect metamaterial absorber in GHz and THz frequencies. Journal of Electromagnetic Waves and Applications, 2015, 29, 2492-2500. | 1.0 | 34 |
| 40 | Antenna-based microwave absorber for imaging in the frequencies of 1.8, 2.45, and 5.8ÂGHz. Optical Engineering, 2018, 57, 1. | 0.5 | 34 |
| 41 | Dual-band polarization-independent sub-terahertz fishnet metamaterial. Current Applied Physics, 2012, 12, 443-450. | 1.1 | 33 |
| 42 | Polarization and angle independent perfect metamaterial absorber based on discontinuous cross-wire-strips. Journal of Electromagnetic Waves and Applications, 2014, 28, 741-751. | 1.0 | 33 |
| 43 | Uâ€shaped frequency selective surfaces for singleâ€and dualâ€band applications together with absorber and sensor configurations. IET Microwaves, Antennas and Propagation, 2016, 10, 293-300. | 0.7 | 33 |
| 44 | NOVEL, DUAL BAND, SINGLE AND DOUBLE NEGATIVE METAMATERIALS: NONCONCENTRIC DELTA LOOP RESONATORS. Progress in Electromagnetics Research B, 2010, 25, 225-239. | 0.7 | 31 |
| 45 | TRANSMISSION TUNNELING THROUGH THE MULTILAYER DOUBLE-NEGATIVE AND DOUBLE-POSITIVE SLABS. Progress in Electromagnetics Research, 2013, 138, 293-306. | 1.6 | 31 |
| 46 | Perfect metamaterial absorber-based energy harvesting and sensor applications in the industrial, scientific, and medical band. Optical Engineering, 2015, 54, 097102. | 0.5 | 31 |
| 47 | Design of a wide band metasurface as a linear to circular polarization converter. Modern Physics Letters B, 2017, 31, 1750274. | 1.0 | 31 |
| 48 | Biosensor applications of chiral metamaterials for marrowbone temperature sensing. Journal of Electromagnetic Waves and Applications, 2015, 29, 2393-2403. | 1.0 | 30 |
| 49 | Dual-band high-frequency metamaterial absorber based on patch resonator for solar cell applications and its enhancement with graphene layers. Journal of Alloys and Compounds, 2016, 687, 514-520. | 2.8 | 30 |
| 50 | Sensory applications of resonator based metamaterial absorber. Optik, 2018, 168, 741-746. | 1.4 | 29 |
| 51 | Improvement in dye sensitized solar cells from past to present. Optical and Quantum Electronics, 2018, 50, 1. | 1.5 | 27 |
| 52 | RESOLVING PHASE AMBIGUITY IN THE INVERSE PROBLEM OF REFLECTION-ONLY MEASUREMENT METHODS. Progress in Electromagnetics Research, 2012, 129, 405-420. | 1.6 | 26 |
| 53 | Design and characterization of a resonator-based metamaterial and its sensor application using microstrip technology. Optical Engineering, 2016, 55, 027107. | 0.5 | 26 |
| 54 | Transmission Line Integrated Metamaterial Based Liquid Sensor. Journal of the Electrochemical Society, 2018, 165, B251-B257. | 1.3 | 26 |

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| 55 | A Comprehensive Study on Fuel Adulteration Sensing by Using Triple Ring Resonator Type Metamaterial. Journal of the Electrochemical Society, 2019, 166, B1044-B1052. | 1.3 | 26 |
| 56 | Numerical and experimental investigation of fishnet-based metamaterial in a X-band waveguide. Journal Physics D: Applied Physics, 2011, 44, 255101. | 1.3 | 25 |
| 57 | Multiband planar metamaterials. Microwave and Optical Technology Letters, 2011, 53, 2255-2258. | 0.9 | 25 |
| 58 | New-Generation Chiral Metamaterials Based on Rectangular Split Ring Resonators With Small and Constant Chirality Over a Certain Frequency Band. IEEE Transactions on Antennas and Propagation, 2014, 62, 5745-5751. | 3.1 | 25 |
| 59 | Multi-band polarization independent cylindrical metamaterial absorber and sensor application. Modern Physics Letters B, 2016, 30, 1650095. | 1.0 | 25 |
| 60 | Strong absorption of solar energy by using wide band metamaterial absorber designed with plus-shaped resonators. International Journal of Modern Physics B, 2018, 32, 1850275. | 1.0 | 25 |
| 61 | Experimental analysis of Î›-shaped magnetic resonator for mu-negative metamaterials. Optics Communications, 2013, 294, 409-413. | 1.0 | 24 |
| 62 | Electromagnetic energy harvesting and density sensor application based on perfect metamaterial absorber. International Journal of Modern Physics B, 2016, 30, 1650133. | 1.0 | 24 |
| 63 | Extremely-broad band metamaterial absorber for solar energy harvesting based on star shaped resonator. Optical and Quantum Electronics, 2017, 49, 1. | 1.5 | 24 |
| 64 | Metamaterial absorber-based multisensor applications using a meander-line resonator. Optical Engineering, 2017, 56, 1. | 0.5 | 24 |
| 65 | Microwave response of octagon-shaped parallel plates: Low-loss metamaterial. Optics Communications, 2012, 285, 4549-4552. | 1.0 | 23 |
| 66 | Polarisation insensitive tunable metamaterial perfect absorber for solar cells applications. IET Optoelectronics, 2016, 10, 211-216. | 1.8 | 23 |
| 67 | Sensitive Metamaterial Sensor for Distinction of Authentic and Inauthentic Fuel Samples. Journal of Electronic Materials, 2017, 46, 4955-4962. | 1.0 | 23 |
| 68 | Transmission measurements of a new metamaterial sample with negative refraction index. Physica B: Condensed Matter, 2010, 405, 2955-2958. | 1.3 | 22 |
| 69 | Broadside-coupled triangular split-ring-resonators for terahertz sensing. EPJ Applied Physics, 2013, 61, 30402. | 0.3 | 22 |
| 70 | Metamaterial absorberâ€based sensor embedded into Xâ€band waveguide. Electronics Letters, 2014, 50, 1074-1076. | 0.5 | 22 |
| 71 | Polarization angle independent perfect multiband metamaterial absorber and energy harvesting application. Journal of Computational Electronics, 2016, 15, 228-238. | 1.3 | 22 |
| 72 | Multi-Resonant Metamaterial Design Based On Concentric V-Shaped Magnetic Resonators. Journal of Electromagnetic Waves and Applications, 2012, 26, 1105-1115. | 1.0 | 20 |

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| 73 | Metamaterial-based energy harvesting for GSM and satellite communication frequency bands. Optical Engineering, 2018, 57, 1. | 0.5 | 20 |
| 74 | RETRIEVAL OF EFFECTIVE ELECTROMAGNETIC PARAMETERS OF ISOTROPIC METAMATERIALS USING REFERENCE-PLANE INVARIANT EXPRESSIONS. Progress in Electromagnetics Research, 2012, 132, 425-441. | 1.6 | 19 |
| 75 | Differential uncertainty analysis for evaluating the accuracy of S-parameter retrieval methods for electromagnetic properties of metamaterial slabs. Optics Express, 2012, 20, 29002. | 1.7 | 18 |
| 76 | Metamaterial characterization by applying different boundary conditions on triangular split ring resonator type metamaterials. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2188. | 1.2 | 18 |
| 77 | Chiral metamaterial structures with strong optical activity and their applications. Optical Engineering, 2014, 53, 107101. | 0.5 | 16 |
| 78 | Zinc oxideâ€“tungstenâ€based pyramids in construction of ultraâ€broadband metamaterial absorber for solar energy harvesting. IET Optoelectronics, 2017, 11, 114-120. | 1.8 | 16 |
| 79 | Electromagnetic simulations of polarization-insensitive and wide-angle multiband metamaterial absorber by incorporating double asterisk resonator. Bulletin of Materials Science, 2020, 43, 1. | 0.8 | 16 |
| 80 | Microwave power imaging detector based on metamaterial absorber. Optical Engineering, 2020, 59, . | 0.5 | 16 |
| 81 | Terahertz propagation properties of free-standing woven-steel-mesh metamaterials: Pass-bands and signatures of abnormal group velocities. Journal of Applied Physics, 2011, 110, . | 1.1 | 15 |
| 82 | Electric and magnetic excitations in anisotropic broadside-coupled triangular-split-ring resonators. Applied Physics A: Materials Science and Processing, 2012, 108, 457-463. | 1.1 | 15 |
| 83 | Electromagnetic absorbance properties of a textile material coated using filtered arc-physical vapor deposition method. Journal of Industrial Textiles, 2015, 45, 298-309. | 1.1 | 15 |
| 84 | Implementation of a perfect metamaterial absorber into multi-functional sensor applications. Modern Physics Letters B, 2017, 31, 1750176. | 1.0 | 15 |
| 85 | Metamaterial-based high efficiency portable sensor application for determining branded and unbranded fuel oil. Bulletin of Materials Science, 2018, 41, 1. | 0.8 | 15 |
| 86 | Terahertz metamaterial absorber comprised of H-shaped resonator within split-square ring and its sensory application. Optik, 2019, 192, 162976. | 1.4 | 15 |
| 87 | Multi-band (9,4) chiral single-walled carbon nanotube based metamaterial absorber for solar cells. Optics and Laser Technology, 2021, 134, 106623. | 2.2 | 15 |
| 88 | Perfect metamaterial absorber for applications in sustainable and high-efficiency solar cells. Journal of Nanophotonics, 2018, 12, 1. | 0.4 | 15 |
| 89 | Left-handed chiral metamaterials. Open Physics, 2008, 6, . | 0.8 | 14 |
| 90 | Wideband Negative Permittivity and Double Negative Fishnet-Mushroom-Like Metamaterial in X-Band Waveguide. Advances in Condensed Matter Physics, 2017, 2017, 1-7. | 0.4 | 14 |

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| 91 | Reflection and transmission coefficients of multiple chiral layers. Science in China Series D: Earth Sciences, 2006, 49, 457-467. | 0.9 | 13 |
| 92 | Polarization angle insensitive dual-band perfect metamaterial absorber for solar cell applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1241-1245. | 0.8 | 13 |
| 93 | Metamaterial-based fluid sensor for identifying different types of fuel oil samples. Chinese Journal of Physics, 2018, 56, 1872-1878. | 2.0 | 13 |
| 94 | Metamaterial sensor application concrete material reinforced with carbon steel fiber. Modern Physics Letters B, 2020, 34, 2050097. | 1.0 | 13 |
| 95 | Diamond-shaped hole array in double-layer metal sheets for negative index of refraction. Journal of Electromagnetic Waves and Applications, 2013, 27, 413-420. | 1.0 | 12 |
| 96 | Power analysis of multilayer structures composed of conventional materials and bi-anisotropic metamaterial slabs. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 939. | 0.9 | 12 |
| 97 | Investigation of microwave metamaterial based on H-shaped resonator in a waveguide configuration and its sensor and absorber applications. Journal of Electromagnetic Waves and Applications, 2015, 29, 819-831. | 1.0 | 12 |
| 98 | Multifunctional metamaterial sensor applications based on chiral nihility. Optical and Quantum Electronics, 2017, 49, 1. | 1.5 | 12 |
| 99 | Effect of the Metallization on the Resonances of THz Fishnet Metamaterials. Journal of the European Optical Society-Rapid Publications, 0, 7, . | 0.9 | 11 |
| 100 | Asymmetric transmission of linearly polarized electromagnetic waves using chiral metamaterials with constant chirality over a certain frequency band. Modern Physics Letters B, 2014, 28, 1450250. | 1.0 | 11 |
| 101 | Fourcross shaped metamaterial filters fabricated from high temperature superconducting YBCO and Au thin films for terahertz waves. Superconductor Science and Technology, 2017, 30, 074006. | 1.8 | 11 |
| 102 | Some aspects of mass-energy equivalence which appears in left-handed metamaterials. EPJ Applied Metamaterials, 2019, 6, 16. | 0.8 | 11 |
| 103 | Microfluidic sensor applications by using chiral metamaterial. Modern Physics Letters B, 2020, 34, 2050031. | 1.0 | 11 |
| 104 | Operating Frequency Reconfiguration Study for a Split Ring Resonator Based Microfluidic Sensor. Journal of the Electrochemical Society, 2020, 167, 147512. | 1.3 | 11 |
| 105 | High Reflection Coatings with Negative and Positive Refractive Indexes. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2009, 5, 601-604. | 0.4 | 11 |
| 106 | APPLICATION OF A USEFUL UNCERTAINTY ANALYSIS AS A METRIC TOOL FOR ASSESSING THE PERFORMANCE OF ELECTROMAGNETIC PROPERTIES RETRIEVAL METHODS OF BIANISOTROPIC METAMATERIALS. Progress in Electromagnetics Research, 2012, 128, 365-380. | 1.6 | 10 |
| 107 | Theoretical and thermal characterization of a wideband perfect absorber for application in solar cells. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 1.1 | 10 |
| 108 | Realization of polarization-angle-independent fishnet-based waveguide metamaterial comprised of octagon shaped resonators with sensor and absorber applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 4777-4787. | 1.1 | 10 |

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| 109 | Metamaterial-based fuel sensor application with three rhombus slots. International Journal of Modern Physics B, 2019, 33, 1950276. | 1.0 | 10 |
| 110 | Absorber and sensor applications of complimentary H-shaped fishnet metamaterial for sub-terahertz frequency region. Optik, 2019, 177, 64-70. | 1.4 | 10 |
| 111 | Effects of Loss Factor on Plane Wave Propagation through a Left-Handed Material Slab. Acta Physica Polonica A, 2008, 113, 1589-1597. | 0.2 | 10 |
| 112 | Highly sensitive metamaterial-based microwave sensor for the application of milk and dairy products. Applied Optics, 2022, 61, 1972. | 0.9 | 10 |
| 113 | Metal mesh filters based on Ti, ITO and Cu thin films for terahertz waves. Optical and Quantum Electronics, 2016, 48, 1. | 1.5 | 9 |
| 114 | Metamaterial Absorber Based Multifunctional Sensors. Journal of the Electrochemical Society, 2016, 163, B319-B324. | 1.3 | 8 |
| 115 | Design and Fabrication of a Novel Wideband DNG Metamaterial with the Absorber Application in Microwave X-Band. Advances in Condensed Matter Physics, 2017, 2017, 1-8. | 0.4 | 8 |
| 116 | Characterization of chiral metamaterial sensor with high sensitivity. Optik, 2020, 202, 163673. | 1.4 | 8 |
| 117 | Alternative design of left-handed metamaterial based on circular resonator and wire strip for waveguide configurations with sensing and absorber applications. Optical Engineering, 2015, 54, 087101. | 0.5 | 7 |
| 118 | Single- and multi-walled carbon nanotubes for solar cell applications. International Journal of Modern Physics B, 2018, 32, 1830007. | 1.0 | 7 |
| 119 | Design of a linear to circular polarization converter integrated into a concrete construction for radome applications. International Journal of Microwave and Wireless Technologies, 2022, 14, 824-831. | 1.5 | 7 |
| 120 | Single- and double-sided sensor applications ofÂmetamaterials based on square-ring and diamond resonators for terahertz region. Modern Physics Letters B, 2017, 31, 1750072. | 1.0 | 6 |
| 121 | Bloch impedance analysis for a left handed transmission line. Journal of Electrical Engineering, 2012, 63, 310-315. | 0.4 | 6 |
| 122 | Thin film (6,5) semiconducting single-walled carbon nanotube metamaterial absorber for photovoltaic applications. Optical Engineering, 2017, 56, 1. | 0.5 | 5 |
| 123 | Scattering Characteristics of Stratified Double Negative Stacks Using the Frequency Dispersive Cold Plasma Medium. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2007, 62, 247-253. | 0.7 | 4 |
| 124 | Periodic array of chiral metamaterial-dielectric slabs for the application as terahertz polarization rotator. , 2011, , . | | 4 |
| 125 | A frequency tunable metamaterial resonator using varactor diodes. , 2016, , . | | 4 |
| 126 | Thermally and optically tunable sub-terahertz superconducting fishnet metamaterial. Physica C: Superconductivity and Its Applications, 2018, 544, 46-53. | 0.6 | 4 |

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| 127 | A numerically stable algorithm for scattering from several circular cylinders including metamaterials with different boundary conditions. Optik, 2018, 168, 667-676. | 1.4 | 4 |
| 128 | Polarization independent triple-band (5,4) semiconducting carbon nanotube metamaterial absorber design for visible and ultraviolet regions. Journal of Nanophotonics, 2017, 11, 1. | 0.4 | 4 |
| 129 | Frequency Response of Multilayer Media Comprised of Double-Negative and Double-Positive Slabs. Chinese Physics Letters, 2007, 24, 1242-1244. | 1.3 | 3 |
| 130 | Refraction Characteristics of Cold Plasma Thin Film as a Left-Handed Metamaterial. Chinese Physics Letters, 2011, 28, 064204. | 1.3 | 3 |
| 131 | Tuning the electric resonance of a metamaterial based single-sided S-Shaped resonator. , 2014, , . | | 3 |
| 132 | Photonic band gap engineering in two-dimensional photonic crystals and iso-frequency contours. Journal of Electromagnetic Waves and Applications, 2014, 28, 253-263. | 1.0 | 3 |
| 133 | Perfect metamaterial absorbers with polarization angle independencyÂin X-band waveguide. Modern Physics Letters B, 2016, 30, 1650186. | 1.0 | 3 |
| 134 | An indium tin oxide metasurface filter for terahertz applications: Design, fabrication, and characterization. Modern Physics Letters B, 2017, 31, 1750074. | 1.0 | 3 |
| 135 | Ultrathin thermally stable multiband metamaterial absorber design for solar energy applications. Journal of Nanophotonics, 2018, 12, 1. | 0.4 | 3 |
| 136 | High-pass filter characteristic of Bloch impedance in a left-handed transmission line. , 2007, , . | | 2 |
| 137 | Transmission line modelling method for planar boundaries containing positive and negative index media. , 2008, , . | | 2 |
| 138 | Composition of non-concentric triangular split ring resonators and wire strip for dual-band negative index metamaterials. , 2010, , . | | 2 |
| 139 | Transmission tunneling through the periodic sequence of double-negative and double-positive layers. , 2013, , . | | 2 |
| 140 | Ultra-sensitive dual-band metamaterial absorber based on symmetric resonators. , 2014, , . | | 2 |
| 141 | Electromagnetic energy harvesting by using tunable metamaterial absorbers. , 2015, , . | | 2 |
| 142 | 90Â° Polarization rotator and antireflector using meanderline chiral metamaterials: Analytical and numerical approach. Optik, 2015, 126, 5587-5592. | 1.4 | 2 |
| 143 | Flexible chiral metamaterials with dynamically optical activity and high negative refractive index. Modern Physics Letters B, 2015, 29, 1550087. | 1.0 | 2 |
| 144 | Investigation of graphene-integrated tunable metamaterials in THz regime. Pramana - Journal of Physics, 2018, 90, 1. | 0.9 | 2 |

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| 145 | Improvement of multiband absorption with different technics (graphene, ito, and hole) for metamaterial absorber at optical frequencies. Journal of Nanophotonics, 2018, 12, 1. | 0.4 | 2 |
| 146 | Perfect Metamaterial absorber based energy harvesting application in ISM Band. International Journal of Business & Technology, 2016, 4, . | 0.0 | 2 |
| 147 | Frequency dependence of Bloch impedance in left-handed transmission line. , 2007, , . | | 1 |
| 148 | Characterization and analysis of left-handed chiral materials. , 2008, , . | | 1 |
| 149 | Terahertz polarization rotator consists of chiral metamaterial and dielectric slabs. , 2011, , . | | 1 |
| 150 | Dual-band polarization-independent fishnet metamaterial for terahertz frequency range. , 2011, , . | | 1 |
| 151 | Zigzag metallic conductors as frequency selective surfaces. IET Microwaves, Antennas and Propagation, 2013, 7, 722-728. | 0.7 | 1 |
| 152 | Characterization of metamaterials using a new design and measurement technique for microstrip circuit applications. , 2014, , . | | 1 |
| 153 | A novel left-handed metamaterial based on circular resonator and wire strip for waveguide applications. , 2014, , . | | 1 |
| 154 | Energy harvesting through lumped elements located on metamaterial absorber particles. , 2015, , . | | 1 |
| 155 | New generation planar chiral metamaterials with small and constant chirality over a certain frequency band. Modern Physics Letters B, 2015, 29, 1450257. | 1.0 | 1 |
| 156 | Increasing bandwidth in antenna applications By using chiral metamaterials. , 2015, , . | | 1 |
| 157 | Dynamic and tunable chiral metamaterials with wideband constant chirality over a certain frequency band. Optik, 2015, 126, 4808-4812. | 1.4 | 1 |
| 158 | Design and analysis of a perfect metamaterial absorber for sub-terahertz frequencies. AIP Conference Proceedings, 2016, , . | 0.3 | 1 |
| 159 | A numerically stable algorithm for eccentrically metamaterial covered circular cylinders. , 2016, , . | | 1 |
| 160 | Plasmonic resonances in sub-terahertz fishnet metamaterial based on complementary hexagonal resonator. Optik, 2019, 178, 1062-1070. | 1.4 | 1 |
| 161 | Computer based algorithm to design metamaterials. , 2010, , . | | 0 |
| 162 | THz pulse propagation through woven-steel-mesh metamaterials. , 2010, , . | | 0 |

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|---|---|---|---|
| 163 | Wire-cloth-mesh metamaterials for GHz and THz frequency regime. , 2011, , . | | 0 |
| 164 | Multi-scale electromagnetic band gap structures and antenna applications. , 2011, , . | | 0 |
| 165 | Terahertz propagation through free-standing woven-steel-mesh metamaterials. , 2011, , . | | 0 |
| 166 | Diamond-shaped hole array as a fishnet metamaterial for negative refraction. , 2013, , . | | 0 |
| 167 | Chiral metamaterials with strong and dynamically optical activity. , 2013, , . | | 0 |
| 168 | Low-loss and multi-band metamaterials. , 2013, , . | | 0 |
| 169 | Giant circular dichroism in chiral metamaterials. , 2013, , . | | 0 |
| 170 | Polarization angle independent perfect metamaterial absorber. , 2014, , . | | 0 |
| 171 | Polarization angle independent metamaterial absorber based on circle-shaped resonators with interference theory. Modern Physics Letters B, 2015, 29, 1550188. | 1.0 | 0 |
| 172 | Design of tunable and dual/multi-band metamaterial based perfect microwave absorber. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 729-735. | 0.3 | 0 |
| 173 | Near-infrared embedded metamaterial composed of circular ring resonator with wire strip topology for free-space applications. , 2016, , . | | 0 |
| 174 | Silicon based metamaterial design with circular ring resonator topology as a near-infrared concentrator. , 2016, , . | | 0 |
| 175 | Cylindrical shell approach for an infrared embedded metamaterial composed of circular ring resonator with wire strip topology. , 2016, , . | | 0 |
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