# Yi-Jun Feng

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 189 papers | 4,652 citations | 35 h-index | 63 g-index |
| 268 ext. papers | 6,016 ext. citations | 4 avg, IF | 5.89 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 189 | Kirigami Reconfigurable Gradient Metasurface (Adv. Funct. Mater. 5/2022). *Advanced Functional Materials*, **2022**, 32, 2270033 | 15.6 | |
| 188 | Wideband Dual-Feed Dual-Polarized Reflectarray Antenna Using Anisotropic Metasurface. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 21, 129-133 | 3.8 | 1 |
| 187 | An Active Metamaterial Absorber With Ultrawideband Continuous Tunability. *IEEE Access*, **2022**, 10, 25290-25295 | 3.5 | 2 |
| 186 | Arbitrary and Dynamic Poincaré Sphere Polarization Converter with a Time-Varying Metasurface. *Advanced Optical Materials*, **2022**, 10, 2101915 | 8.1 | 14 |
| 185 | Four-Channel Kaleidoscopic Metasurfaces Enabled by a Single-Layered Single-Cell Quad-Band Meta-Atom. *Advanced Theory and Simulations*, **2022**, 5, 2100301 | 3.5 | 1 |
| 184 | A Dual-polarized Reconfigurable Reflectarray Antenna Based on Dual-channel Programmable Metasurface. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1 | 4.9 | 3 |
| 183 | Polarization-Selective Bifunctional Metasurface for High-Efficiency Millimeter-wave Folded Transmitarray Antenna with Circular Polarization. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1 | 4.9 | 2 |
| 182 | Transmissive Metasurface with Independent Amplitude/Phase Control and Its Application to Low-Side-Lobe Metalens Antenna. *IEEE Transactions on Antennas and Propagation*, **2022**, 1-1 | 4.9 | 0 |
| 181 | Controlling Conical Beam Carrying Orbital Angular Momentum with Transmissive Metasurface. *International Journal of Antennas and Propagation*, **2021**, 2021, 1-10 | 1.2 | |
| 180 | Quad-channel independent wavefront encoding with dual-band multitasking metasurface. *Optics Express*, **2021**, 29, 15678-15688 | 3.3 | 3 |
| 179 | Active Cylindrical Metasurface With Spatial Reconfigurability for Tunable Backward Scattering Reduction. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 3332-3340 | 4.9 | 8 |
| 178 | Independent Dual-beam Control based on Programmable Coding Metasurface. *Wuli Xuebao/Acta Physica Sinica*, **2021**, 0-0 | 0.6 | 0 |
| 177 | Switchable metasurface for nearly perfect reflection, transmission, and absorption using PIN diodes. *Optics Express*, **2021**, 29, 29320-29328 | 3.3 | 5 |
| 176 | Angular-Adaptive Reconfigurable Spin-Locked Metasurface Retroreflector. *Advanced Science*, **2021**, 8, e2100885 | 13.6 | 9 |
| 175 | Dual-Phase Hybrid Metasurface for Independent Amplitude and Phase Control of Circularly Polarized Wave. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 7705-7710 | 4.9 | 12 |
| 174 | Graphene-enabled tunable multifunctional metamaterial for dynamical polarization manipulation of broadband terahertz wave. *Carbon*, **2020**, 163, 244-252 | 10.4 | 27 |
| 173 | Differential Signal Propagation in Spoof Plasmonic Structure and its Application in Microwave Filtering Balun. *IEEE Access*, **2020**, 8, 109009-109014 | 3.5 | 6 |

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| 172 | Ultrathin Single Layer Metasurfaces with Ultra-Wideband Operation for Both Transmission and Reflection. *Advanced Materials*, **2020**, 32, e1907308 | 24 | 108 |
| 171 | Ultrawideband Spin-Decoupled Coding Metasurface for Independent Dual-Channel Wavefront Tailoring. *Annalen Der Physik*, **2020**, 532, 1900472 | 2.6 | 8 |
| 170 | Programmable Coding Metasurface for Dual-Band Independent Real-Time Beam Control. *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, **2020**, 10, 20-28 | 5.2 | 24 |
| 169 | Filtering microwave differential signals through odd-mode spoof surface plasmon polariton propagation. *Journal Physics D: Applied Physics*, **2020**, 53, 165105 | 3 | 2 |
| 168 | Broadband Spin-Decoupled Metasurface for Dual-Circularly Polarized Reflector Antenna Design. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 3534-3543 | 4.9 | 25 |
| 167 | Low-RCS Holographic Antenna With Enhanced Gain Based on Frequency-Selective Absorber. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 6516-6526 | 4.9 | 8 |
| 166 | Binary geometric phase metasurface for ultra-wideband microwave diffuse scatterings with optical transparency. *Optics Express*, **2020**, 28, 12638-12649 | 3.3 | 12 |
| 165 | Direct routing of intensity-editable multi-beams by dual geometric phase interference in metasurface. *Nanophotonics*, **2020**, 9, 2977-2987 | 6.3 | 11 |
| 164 | Graphene-enabled active metamaterial for dynamical manipulation of terahertz reflection/transmission/absorption. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126840 | 2.3 | 4 |
| 163 | Transmission-Reflection-Selective Metasurface and Its Application to RCS Reduction of High-Gain Reflector Antenna. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1426-1435 | 4.9 | 16 |
| 162 | Active Anisotropic Coding Metasurface with Independent Real-Time Reconfigurability for Dual Polarized Waves. *Advanced Materials Technologies*, **2020**, 5, 1900930 | 6.8 | 30 |
| 161 | Directional Janus Metasurface. *Advanced Materials*, **2020**, 32, e1906352 | 24 | 111 |
| 160 | Dynamic Scattering Steering with Graphene-Based Coding Metamirror. *Advanced Optical Materials*, **2020**, 8, 2000683 | 8.1 | 46 |
| 159 | Ultra-broadband microwave absorption by ultra-thin metamaterial with stepped structure induced multi-resonances. *Results in Physics*, **2020**, 18, 103320 | 3.7 | 13 |
| 158 | Airy Beam Generation: Approaching Ideal Efficiency and Ultra Wideband with Reflective and Transmissive Metasurfaces. *Advanced Optical Materials*, **2020**, 8, 2000860 | 8.1 | 21 |
| 157 | Independent Energy Allocation of Dual-Helical Multi-Beams with Spin-Selective Transmissive Metasurface. *Advanced Optical Materials*, **2020**, 8, 2000342 | 8.1 | 17 |
| 156 | Ultrathin L-band Microwave Tunable Metamaterial Absorber **2019**, | | 1 |
| 155 | Broadband microwave metamaterial absorber with lumped resistor loading. *EPJ Applied Metamaterials*, **2019**, 6, 1 | 0.8 | 12 |

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| 154 | Multi-octave microwave absorption via conformal metamaterial absorber with optical transparency. *Journal Physics D: Applied Physics*, **2019**, 52, 335101 | 3 | 20 |
| 153 | Dual-Helicity Decoupled Coding Metasurface for Independent Spin-to-Orbital Angular Momentum Conversion. *Physical Review Applied*, **2019**, 11, | 4.3 | 74 |
| 152 | Achieving Directive Radiation and Broadband Microwave Absorption by an Anisotropic Metasurface. *IEEE Access*, **2019**, 7, 93919-93926 | 3.5 | 5 |
| 151 | Broadband Polarization-Conversion Metasurface for a Cassegrain Antenna with High Polarization Purity. *Physical Review Applied*, **2019**, 12, | 4.3 | 28 |
| 150 | Switchable Broadband Dual-Polarized Frequency-Selective Rasorber/Absorber. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 2508-2512 | 3.8 | 26 |
| 149 | Electromagnetic polarization conversion based on HuygensSmetasurfaces with coupled electric and magnetic resonances. *Optics Express*, **2019**, 27, 11006-11017 | 3.3 | 13 |
| 148 | Multi-functional coding metasurface for dual-band independent electromagnetic wave control. *Optics Express*, **2019**, 27, 19196-19211 | 3.3 | 16 |
| 147 | Electromagnetic properties of magnetic epsilon-near-zero medium with dielectric dopants. *Optics Express*, **2019**, 27, 20073-20083 | 3.3 | 7 |
| 146 | Understanding Genotypes and Phenotypes of the Mutations in Voltage- Gated Sodium Channel □ Subunits in Epilepsy. *CNS and Neurological Disorders - Drug Targets*, **2019**, 18, 266-272 | 2.6 | 3 |
| 145 | Broadband Microwave Absorber by direct drawing Metamaterial on Paper **2019**, | | 1 |
| 144 | Composite Strategy for Backward-Scattering Reduction of a Wavelength-Scale Cylindrical Object by an Ultrathin Metasurface. *Physical Review Applied*, **2019**, 12, | 4.3 | 1 |
| 143 | Tunable broadband polarization rotator in terahertz frequency based on graphene metamaterial. *Carbon*, **2018**, 133, 170-175 | 10.4 | 63 |
| 142 | Broadband microwave absorption utilizing water-based metamaterial structures. *Optics Express*, **2018**, 26, 8522-8531 | 3.3 | 55 |
| 141 | Full control of conical beam carrying orbital angular momentum by reflective metasurface. *Optics Express*, **2018**, 26, 20990-21002 | 3.3 | 21 |
| 140 | Generation of conical beam by reflective metasurface **2018**, | | 2 |
| 139 | Optically transparent metasurface Salisbury screen with wideband microwave absorption. *Optics Express*, **2018**, 26, 34384-34395 | 3.3 | 38 |
| 138 | The Yin and Yang of BK Channels in Epilepsy. *CNS and Neurological Disorders - Drug Targets*, **2018**, 17, 272-279 | 2.6 | 15 |
| 137 | Broadband Tunable Metamaterial Absorber with Active Lumped Diodes **2018**, | | 1 |

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| 136 | Optically Transparent Metasurfaces for Controlling Microwave Scattering and Absorption **2018**, | | 2 |
| 135 | Combining Frequency-Selective Scattering and Specular Reflection Through Phase-Dispersion Tailoring of a Metasurface. *Physical Review Applied*, **2018**, 10, | 4.3 | 25 |
| 134 | Broadening the Bandwidth of the Electromagnetic Metamaterial Absorber **2018**, | | 1 |
| 133 | A Broadband Metamaterial Microwave Absorber Utilizing Both Magnetic and Electric Resonances **2018**, | | 2 |
| 132 | Ultra-Wideband Microwave Absorption by Design and Optimization of Metasurface Salisbury Screen. *IEEE Access*, **2018**, 6, 26843-26853 | 3.5 | 24 |
| 131 | A Reconfigurable Active HuygensSMetalens. *Advanced Materials*, **2017**, 29, 1606422 | 24 | 301 |
| 130 | Dynamic control of asymmetric electromagnetic wave transmission by active chiral metamaterial. *Scientific Reports*, **2017**, 7, 42802 | 4.9 | 49 |
| 129 | Terahertz beam switching by electrical control of graphene-enabled tunable metasurface. *Scientific Reports*, **2017**, 7, 14147 | 4.9 | 12 |
| 128 | A broadband reflective-type half-wave plate employing optical feedbacks. *Scientific Reports*, **2017**, 7, 9103 | 4.9 | 3 |
| 127 | Polarization-dependent bi-functional metasurface for directive radiation and diffusion-like scattering. *AIP Advances*, **2017**, 7, 115214 | 1.5 | 8 |
| 126 | Selective wave-transmitting electromagnetic absorber through composite metasurface. *AIP Advances*, **2017**, 7, 115017 | 1.5 | 6 |
| 125 | Coding metasurface for broadband microwave scattering reduction with optical transparency. *Optics Express*, **2017**, 25, 5571-5579 | 3.3 | 101 |
| 124 | Metasurface Salisbury screen: achieving ultra-wideband microwave absorption. *Optics Express*, **2017** , 25, 30241-30252 | 3.3 | 40 |
| 123 | Tunable ultra-thin P-band absorber based on permeability-near-zero metamaterial **2017**, | | 1 |
| 122 | Spoof surface plasmon-based bandpass filter with extremely wide upper stopband. *Chinese Physics B*, **2016**, 25, 034101 | 1.2 | 12 |
| 121 | Broadband microwave metamaterial absorber made of randomly distributed metallic loops **2016**, | | 2 |
| 120 | Broadband diffuse terahertz wave scattering by flexible metasurface with randomized phase distribution. *Scientific Reports*, **2016**, 6, 26875 | 4.9 | 43 |
| 119 | Backward spoof surface wave in plasmonic metamaterial of ultrathin metallic structure. *Scientific Reports*, **2016**, 6, 20448 | 4.9 | 28 |

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| 118 | Achieving flexible low-scattering metasurface based on randomly distribution of meta-elements. *Optics Express*, **2016**, 24, 27849-27857 | 3.3 | 36 |
| 117 | Water droplets: Toward broadband metamaterial microwave absorber **2016**, | | 2 |
| 116 | Geometric phase coded metasurface: from polarization dependent directive electromagnetic wave scattering to diffusion-like scattering. *Scientific Reports*, **2016**, 6, 35968 | 4.9 | 77 |
| 115 | An ultralow-profile lens antenna based on all-dielectric metasurfaces **2016**, | | 2 |
| 114 | Design of transmission-type coding metasurface and its application of beam forming. *Applied Physics Letters*, **2016**, 109, 121103 | 3.4 | 27 |
| 113 | A frequency and bandwidth tunable metamaterial absorber in x-band. *Journal of Applied Physics*, **2015**, 117, 173103 | 2.5 | 52 |
| 112 | Passive Metasurface for Reflectionless and Arbitary Control of Electromagnetic Wave Transmission. *IEEE Transactions on Antennas and Propagation*, **2015**, 63, 5500-5511 | 4.9 | 58 |
| 111 | Improving microwave antenna gain and bandwidth with phase compensation metasurface. *AIP Advances*, **2015**, 5, 067152 | 1.5 | 31 |
| 110 | Metamaterials: Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials (Advanced Optical Materials 10/2015). *Advanced Optical Materials*, **2015**, 3, 1373-1373 | 8.1 | 5 |
| 109 | Highly-confined and low-loss spoof surface plasmon polaritons structure with periodic loading of trapezoidal grooves. *AIP Advances*, **2015**, 5, 077123 | 1.5 | 35 |
| 108 | A Wide-angle Multi-Octave Broadband Waveplate Based on Field Transformation Approach. *Scientific Reports*, **2015**, 5, 17532 | 4.9 | 15 |
| 107 | Allosteric interactions between receptor site 3 and 4 of voltage-gated sodium channels: a novel perspective for the underlying mechanism of scorpion sting-induced pain. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, **2015**, 21, 42 | 2.2 | 3 |
| 106 | Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials. *Advanced Optical Materials*, **2015**, 3, 1374-1380 | 8.1 | 131 |
| 105 | Switchable quarter-wave plate with graphene based metamaterial for broadband terahertz wave manipulation. *Optics Express*, **2015**, 23, 27230-9 | 3.3 | 54 |
| 104 | Microwave absorber based on permeability-near-zero metamaterial made of Swiss roll structures. *Journal Physics D: Applied Physics*, **2015**, 48, 455304 | 3 | 10 |
| 103 | An ultrathin microwave HuygensSmetasurface lens **2015**, | | 4 |
| 102 | One-way absorber for linearly polarized electromagnetic wave utilizing composite metamaterial. *Optics Express*, **2015**, 23, 4658-65 | 3.3 | 8 |
| 101 | Dynamic control of electromagnetic wave propagation with the equivalent principle inspired tunable metasurface. *Scientific Reports*, **2015**, 4, | 4.9 | 69 |

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|---|---|---|---|
| 100 | Lipid bilayer modification alters the gating properties and pharmacological sensitivity of voltage-gated sodium channel. *Acta Physiologica Sinica*, **2015**, 67, 271-82 | 1.3 | 3 |
| 99 | Ultrathin microwave absorber in wireless communication band made of Swiss roll metamaterial structure **2014**, | | 3 |
| 98 | Dual-band asymmetric electromagnetic wave transmission for dual polarizations in chiral metamaterial structure. *Applied Physics B: Lasers and Optics*, **2014**, 117, 527-531 | 1.9 | 16 |
| 97 | Graphene based tunable metamaterial absorber and polarization modulation in terahertz frequency. *Optics Express*, **2014**, 22, 22743-52 | 3.3 | 262 |
| 96 | Electromagnetic wave deflection and backward scattering reduction by flat meta-surfaces **2014**, | | 4 |
| 95 | Dynamic control of electromagnetic wave polarization and phase through active metasurfaces **2014**, | | 2 |
| 94 | Planar surface plasmonic waveguide devices based on symmetric corrugated thin film structures. *Optics Express*, **2014**, 22, 20107-16 | 3.3 | 94 |
| 93 | Frequency-selective microwave polarization rotator using substrate-integrated waveguide cavities. *Chinese Physics B*, **2014**, 23, 034101 | 1.2 | 15 |
| 92 | Effect of loss and coupling on the resonance of metamaterial: An equivalent circuit approach. *Science China Information Sciences*, **2014**, 57, 1-8 | 3.4 | 2 |
| 91 | Coupling surface plasmon waves across gaps in a dielectric/metal interface by transformation optics. *Applied Physics B: Lasers and Optics*, **2013**, 112, 1-6 | 1.9 | 3 |
| 90 | Analog study of near-field focusing and subwavelength imaging with nonlinear transmission-line metamaterial. *Science China Information Sciences*, **2013**, 56, 1-8 | 3.4 | |
| 89 | Controllable metamaterial absorbers **2013**, | | 1 |
| 88 | Designing retrodirective reflector on a planar surface by transformation optics. *AIP Advances*, **2013**, 3, 012113 | 1.5 | 3 |
| 87 | Manipulating surface plasmon waves by transformation optics: Design examples of a beam squeezer, bend, and omnidirectional absorber. *Chinese Physics B*, **2013**, 22, 034102 | 1.2 | 7 |
| 86 | High-order modes of spoof surface plasmonic wave transmission on thin metal film structure. *Optics Express*, **2013**, 21, 31155-65 | 3.3 | 81 |
| 85 | Active impedance metasurface with full 360° reflection phase tuning. *Scientific Reports*, **2013**, 3, 3059 | 4.9 | 91 |
| 84 | Improved $\pi/4$ phase-shifted DFB semiconductor laser with spatial hole burning compensation using grating chirp. *Optics and Laser Technology*, **2012**, 44, 2443-2448 | 4.2 | 2 |
| 83 | Asymmetric Transmission Of Linearly Polarized Electromagnetic Wave Through Chiral Metamaterial Structure. *Journal of Electromagnetic Waves and Applications*, **2012**, 26, 1192-1202 | 1.3 | 19 |

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|---|---|---|---|
| 82 | Assembling optically active and nonactive metamaterials with chiral units. *AIP Advances*, **2012**, 2, 041413 | 1.5 | 6 |
| 81 | Diode-like asymmetric transmission of linearly polarized waves through twisted split-ring metamaterial structure **2012**, | | 1 |
| 80 | Asymmetric electromagnetic wave transmission of linear polarization via polarization conversion through chiral metamaterial structures. *Physical Review B*, **2012**, 85, | 3.3 | 225 |
| 79 | Design of Dual-Polarized Frequency Selective Structure With Quasi-Elliptic Bandpass Response. *IEEE Antennas and Wireless Propagation Letters*, **2012**, 11, 297-300 | 3.8 | 8 |
| 78 | Bandwidth enhanced metamaterial absorber at terahertz frequency **2012**, | | 2 |
| 77 | Experimental demonstration of the three phase shifted DFB semiconductor laser based on Reconstruction-Equivalent-Chirp technique. *Optics Express*, **2012**, 20, 17374-9 | 3.3 | 18 |
| 76 | Experimental demonstration of eight-wavelength distributed feedback semiconductor laser array using equivalent phase shift. *Optics Letters*, **2012**, 37, 3315-7 | 3 | 52 |
| 75 | Manipulating electromagnetic wave propagation, absorption and polarization with metamaterials **2012**, | | 1 |
| 74 | Fabry-Perot cavity antenna with beam switching **2012**, | | 2 |
| 73 | Optimized cylindrical invisibility cloak with minimum layers of non-magnetic isotropic materials. *Journal Physics D: Applied Physics*, **2011**, 44, 185102 | 3 | 29 |
| 72 | Broad band invisibility cloak made of normal dielectric multilayer. *Applied Physics Letters*, **2011**, 99, 154104 | 3.4 | 27 |
| 71 | Slow-light propagation in a cylindrical dielectric waveguide with metamaterial cladding. *Journal Physics D: Applied Physics*, **2011**, 44, 475103 | 3 | 12 |
| 70 | Effects of GeO2 on the thermal stability and optical properties of Er3+/Yb3+-codoped oxyfluoride tellurite glasses. *Materials Chemistry and Physics*, **2011**, 126, 786-790 | 4.4 | 27 |
| 69 | Explicit expression of the pseudo-Brewster angle for anisotropic metamaterials. *Optics Communications*, **2011**, 284, 2678-2682 | 2 | 2 |
| 68 | An Anti-Symmetric-Sample Grating Structure for Improving the Reconstruction-Equivalent-Chirp Technology. *IEEE Photonics Technology Letters*, **2011**, 23, 1337-1339 | 2.2 | 4 |
| 67 | DUAL BAND SWITCHABLE METAMATERIAL ELECTROMAGNETIC ABSORBER. *Progress in Electromagnetics Research B*, **2010**, 24, 121-129 | 0.7 | 58 |
| 66 | Polarization modulation by tunable electromagnetic metamaterial reflector/absorber. *Optics Express*, **2010**, 18, 23196-203 | 3.3 | 68 |
| 65 | Simplified ground plane invisibility cloak by multilayer dielectrics. *Optics Express*, **2010**, 18, 24477-85 | 3.3 | 15 |

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|---|---|---|---|
| 64 | Dark Schrödinger solitons and harmonic generation in left-handed nonlinear transmission line. *Journal of Applied Physics*, **2010**, 107, 094907 | 2.5 | 26 |
| 63 | Switchable metamaterial reflector/absorber for different polarized electromagnetic waves. *Applied Physics Letters*, **2010**, 97, 051906 | 3.4 | 185 |
| 62 | POLARIZATION INSENSITIVE METAMATERIAL ABSORBER WITH WIDE INCIDENT ANGLE. *Progress in Electromagnetics Research*, **2010**, 101, 231-239 | 3.8 | 142 |
| 61 | Compensated Anisotropic Metamaterials: Manipulating Sub-wavelength Images **2010**, 155-181 | | |
| 60 | Slow wave propagation in a dielectric cylindrical waveguide with anisotropic metamaterial cladding **2009**, | | 3 |
| 59 | Infrared carpet cloak designed with uniform silicon grating structure. *Applied Physics Letters*, **2009**, 95, 184102 | 3.4 | 38 |
| 58 | Schrödinger solitons and harmonic generation in short left-handed nonlinear transmission line metamaterial **2009**, | | 2 |
| 57 | Achieving both wideband mitigation of ground bounce noise and good signal integrity by novel period structure. *Electronics Letters*, **2009**, 45, 158 | 1.1 | 2 |
| 56 | Planar Metamaterial Microwave Absorber for all Wave Polarizations. *Chinese Physics Letters*, **2009**, 26, 114102 | 1.8 | 27 |
| 55 | Compensating loss with gain in slow-light propagation along slab waveguide with anisotropic metamaterial cladding. *Optics Letters*, **2009**, 34, 3869-71 | 3 | 11 |
| 54 | Stopping light by an air waveguide with anisotropic metamaterial cladding. *Optics Express*, **2009**, 17, 1703 | 3.3 | 63 |
| 53 | Extraordinary transmission in planar waveguide loaded with anisotropic metamaterials. *Journal of Applied Physics*, **2009**, 105, 034912 | 2.5 | 6 |
| 52 | Spherical cloaking with homogeneous isotropic multilayered structures. *Physical Review E*, **2009**, 79, 047602 | 2.4 | 103 |
| 51 | Polarization beam splitting through an anisotropic metamaterial slab realized by a layered metal-dielectric structure. *Applied Physics Letters*, **2008**, 92, 071114 | 3.4 | 38 |
| 50 | Microwave absorption properties of anisotropic materials realized by multi-layered film structures **2008**, | | 1 |
| 49 | Sub-wavelength image manipulating through compensated anisotropic metamaterial prisms. *Optics Express*, **2008**, 16, 18057-66 | 3.3 | 12 |
| 48 | Designing the coordinate transformation function for non-magnetic invisibility cloaking. *Journal Physics D: Applied Physics*, **2008**, 41, 215504 | 3 | 14 |
| 47 | Extraordinary transmission with evanescent wave enhancement in planar waveguide loaded with anisotropic metamaterials **2008**, | | 1 |

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|---|---|---|---|
| 46 | Electromagnetic beam modulation through transformation optical structures. *New Journal of Physics*, **2008**, 10, 115027 | 2.9 | 14 |
| 45 | Ultra-wideband bandpass filter using simplified left-handed transmission line structure. *Microwave and Optical Technology Letters*, **2008**, 50, 2758-2762 | 1.2 | 16 |
| 44 | A self-similar fractal electromagnetic band-gap structure in the power plane with broadband suppression of ground bounce noise. *Microwave and Optical Technology Letters*, **2007**, 49, 190-192 | 1.2 | 5 |
| 43 | Planar sub-wavelength cavity resonator containing a bilayer of anisotropic metamaterials. *Journal Physics D: Applied Physics*, **2007**, 40, 1821-1826 | 3 | 6 |
| 42 | Subwavelength imaging with compensated anisotropic bilayers realized by transmission-line metamaterials. *Physical Review B*, **2007**, 75, | 3.3 | 12 |
| 41 | A Novel Electromagnetic Band-gap Structure for Ultra-Wide Band Suppression of Ground Bounce Noise **2007**, | | 1 |
| 40 | Electromagnetic cloaking by layered structure of homogeneous isotropic materials. *Optics Express*, **2007**, 15, 11133-41 | 3.3 | 196 |
| 39 | Negative refraction and partial focusing in an anisotropic metamaterial realized by a loaded transmission line network. *Journal Physics D: Applied Physics*, **2006**, 39, 213-219 | 3 | 7 |
| 38 | Anomalous reflection and refraction in anisotropic metamaterial realized by periodically loaded transmission line network. *Journal of Applied Physics*, **2006**, 100, 114901 | 2.5 | 8 |
| 37 | Subwavelength rectangular cavity partially filled with left-handed materials. *Chinese Physics B*, **2006** , 15, 1154-1160 | | 12 |
| 36 | Loss and retardation effect on subwavelength imaging by compensated bilayer of anisotropic metamaterials. *Journal of Applied Physics*, **2006**, 100, 124910 | 2.5 | 3 |
| 35 | Omni-Directional Microstrip Ring Antenna Based On a Simplified Left-Handed Transmission Line Structure **2006**, | | 1 |
| 34 | Transmission line realization of subwavelength resonator formed by a pair of conventional and LHM slabs. *Journal of Zhejiang University: Science A*, **2006**, 7, 76-80 | 2.1 | 1 |
| 33 | Temperature-dependent local electromagnetic characterization of electronic materials by scanning microwave near-field technique. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 122, 49-54 | 3.1 | |
| 32 | Directive electromagnetic radiation of a line source scattered by a conducting cylinder coated with left-handed metamaterial. *Microwave and Optical Technology Letters*, **2005**, 47, 274-279 | 1.2 | 16 |
| 31 | Electromagnetic wave propagation in anisotropic metamaterials created by a set of periodic inductor-capacitor circuit networks. *Physical Review B*, **2005**, 72, | 3.3 | 20 |
| 30 | Electromagnetic wave localization using a left-handed transmission-line superlens. *Physical Review B*, **2005**, 72, | 3.3 | 18 |
| 29 | Characterization and modelling of MOSFET operating at cryogenic temperature for hybrid superconductor-CMOS circuits. *Semiconductor Science and Technology*, **2004**, 19, 1381-1385 | 1.8 | 14 |

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|---|---|---|---|
| 28 | Implementation and low speed test of ultra-fast interface circuits for Josephson-CMOS hybrid memories. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 1467-1471 | 1.3 | 1 |
| 27 | Spatially resolved characterization of the microwave properties of superconducting thin films by low temperature microwave scanning near-field microscopy. *IEEE Transactions on Applied Superconductivity*, **2003**, 13, 2901-2904 | 1.8 | 4 |
| 26 | . *IEEE Transactions on Applied Superconductivity*, **2003**, 13, 467-470 | 1.8 | 15 |
| 25 | Hybrid Josephson-CMOS memory: a solution for the Josephson memory problem. *Superconductor Science and Technology*, **2002**, 15, 1669-1674 | 3.1 | 8 |
| 24 | Probing the local microwave properties of superconducting thin films by a scanning microwave near-field microscope. *Superconductor Science and Technology*, **2002**, 15, 1771-1774 | 3.1 | 1 |
| 23 | Experimental Study of the Plasma Fluorination of Y-Ba-Cu-O Thin Films. *Chinese Physics Letters*, **2002**, 19, 1340-1343 | 1.8 | |
| 22 | Epitaxial growth of YBa2Cu3O7/CeO2/YSZ thin films on silicon-on-insulator substrates. *Superconductor Science and Technology*, **2002**, 15, 320-323 | 3.1 | 10 |
| 21 | Nondestructive evaluation of the dielectric properties of the substrate materials for high-Tcsuperconducting microwave devices. *Superconductor Science and Technology*, **2002**, 15, 390-394 | 3.1 | 3 |
| 20 | Rapid single flux quantum pseudo random generator. *Science Bulletin*, **2001**, 46, 170-173 | | |
| 19 | Local microwave characterization of metal films using a scanning microwave near-field microscope. *Solid State Communications*, **2001**, 119, 133-135 | 1.6 | 7 |
| 18 | Local microwave surface resistance variations of the YBaCuO thin films patterned by selective laser irradiation and plasma fluorination. *IEEE Transactions on Applied Superconductivity*, **2001**, 11, 123-126 | 1.8 | 1 |
| 17 | Simulation of the sub-harmonic SIS mixer. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 2717-2718 | 1.3 | |
| 16 | Nondestructive imaging of the microwave properties of superconducting thin film devices with a scanning microwave near-field microscope. *Physica C: Superconductivity and Its Applications*, **2000**, 341-348, 2651-2652 | 1.3 | 2 |
| 15 | C -Axis Current-voltage Characteristics of Mesa Structures on Bi 2 Sr 2 CaCu 2 O 8+□Single Crystals Fabricated by a Simple Technique Without Photolithography. *Chinese Physics Letters*, **1999**, 16, 686-688 | 1.8 | 2 |
| 14 | HTS microwave devices and subsystems with pulse tube refrigerators. *IEEE Transactions on Applied Superconductivity*, **1999**, 9, 3569-3572 | 1.8 | |
| 13 | Bi/sub 2/Sr/sub 2/CaCu/sub 2/O/sub 8+/spl delta// intrinsic Josephson junctions fabricated by a simple technique without photolithography. *IEEE Transactions on Applied Superconductivity*, **1999**, 9, 4527-4529 | 1.8 | 1 |
| 12 | Optical properties of an ionic-type phononic crystal. *Science*, **1999**, 284, 1822-4 | 33.3 | 123 |
| 11 | Harmonic mixing of Bi2Sr2CaCu2O8+x intrinsic junction at millimeter waveband. *Science Bulletin*, **1999**, 44, 1191-1194 | | |

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|---|---|---|---|
| 10 | . *IEEE Transactions on Applied Superconductivity*, **1995**, 5, 2798-2800 | 1.8 | 1 |
| 9 | The critical current density distribution in a TIBaCaCuO thin film ring resonator. *Physica C: Superconductivity and Its Applications*, **1994**, 235-240, 3073-3074 | 1.3 | |
| 8 | The critical current density distribution in a TlBaCaCuO thin film ring resonator. *Solid State Communications*, **1994**, 92, 375-376 | 1.6 | |
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