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A broadband, background-free quarter-wave plate based on plasmonic metasurfaces

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627 626 625 624	High-efficiency broadband metasurface with silicon nanoantenna in visible spectrum. 2017,  Tunable wave plate based on active plasmonic metasurfaces. <i>Optics Express</i> , 2017, 25, 4216-4226  Coding metasurface for broadband microwave scattering reduction with optical transparency. <i>Optics Express</i> , 2017, 25, 5571-5579  Optical gears in a nanophotonic directional coupler. <i>Optics Express</i> , 2017, 25, 10972-10983  Third-order gap plasmon based metasurfaces for visible light. <i>Optics Express</i> , 2017, 25, 12508-12517  Metallic metasurface for high efficiency optical phase control in transmission mode. <i>Optics Express</i> ,	3·3 3·3	38 101 3 13

619	Highly efficient and broadband optical polarizers based on dielectric nanowires. <i>Optics Express</i> , <b>2017</b> , 25, 22897-22904	3.3	4
618	Metallic metasurfaces for high efficient polarization conversion control in transmission mode. <i>Optics Express</i> , <b>2017</b> , 25, 23597-23604	3.3	22
617	All-dielectric KTiOPO metasurfaces based on multipolar resonances in the terahertz region. <i>Optics Express</i> , <b>2017</b> , 25, 24068-24080	3.3	21
616	Local phase method for designing and optimizing metasurface devices. <i>Optics Express</i> , <b>2017</b> , 25, 24974	1-2 <del>49</del> 82	2 23
615	Continuous phase control of second harmonic generation from metasurfaces composed of complementary split ring resonators. <i>Optics Express</i> , <b>2017</b> , 25, 28363	3.3	4
614	Resonant cavity enhanced waveguide transmission for broadband and high efficiency quarter-wave plate. <i>Optics Express</i> , <b>2017</b> , 25, 29617-29626	3.3	6
613	Polarization-switchable and wavelength-controllable multi-functional metasurface for focusing and surface-plasmon-polariton wave excitation. <i>Optics Express</i> , <b>2017</b> , 25, 29812-29821	3.3	28
612	From parabolic-trough to metasurface-concentrator: assessing focusing in the wave-optics limit. <b>2017</b> , 42, 1520-1523		8
611	Wideband circular polarizer based on twisted double-layer spiral planar structure. 2017,		1
610	SURFACE IMPEDANCE SYNTHESIS USING PARALLEL PLANAR ELECTRIC METASURFACES. <b>2017</b> , 160, 41	1-50	1
610	SURFACE IMPEDANCE SYNTHESIS USING PARALLEL PLANAR ELECTRIC METASURFACES. <b>2017</b> , 160, 41  On-chip generation of broadband high-order Laguerre-Gaussian modes in a metasurface. <b>2017</b> , 42, 246		
609	On-chip generation of broadband high-order Laguerre-Gaussian modes in a metasurface. <b>2017</b> , 42, 246  Polarization Conversion Based on Mie-Type Electromagnetically Induced Transparency (EIT) Effect		5 14
609	On-chip generation of broadband high-order Laguerre-Gaussian modes in a metasurface. <b>2017</b> , 42, 246  Polarization Conversion Based on Mie-Type Electromagnetically Induced Transparency (EIT) Effect in All-Dielectric Metasurface. <b>2018</b> , 13, 1971-1976  Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz	63-2466	5 14 18
609 608 607	On-chip generation of broadband high-order Laguerre-Gaussian modes in a metasurface. <b>2017</b> , 42, 246  Polarization Conversion Based on Mie-Type Electromagnetically Induced Transparency (EIT) Effect in All-Dielectric Metasurface. <b>2018</b> , 13, 1971-1976  Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz Frequencies. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701204	63-2466	5 14 18 114
609 608 607	On-chip generation of broadband high-order Laguerre-Gaussian modes in a metasurface. 2017, 42, 246  Polarization Conversion Based on Mie-Type Electromagnetically Induced Transparency (EIT) Effect in All-Dielectric Metasurface. 2018, 13, 1971-1976  Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz Frequencies. Advanced Optical Materials, 2018, 6, 1701204  Wideband high-efficient linear polarization rotators. 2018, 13, 1	63-2466	5 14 18 114
609 608 607 606	On-chip generation of broadband high-order Laguerre-Gaussian modes in a metasurface. 2017, 42, 246  Polarization Conversion Based on Mie-Type Electromagnetically Induced Transparency (EIT) Effect in All-Dielectric Metasurface. 2018, 13, 1971-1976  Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz Frequencies. Advanced Optical Materials, 2018, 6, 1701204  Wideband high-efficient linear polarization rotators. 2018, 13, 1  Ultra-thin high-efficiency mid-infrared transmissive Huygens meta-optics. 2018, 9, 1481  Integrated Resonant Unit of Metasurfaces for Broadband Efficiency and Phase Manipulation.	8.1	5 14 18 114 14 78

601	Polarization Encoded Color Image Embedded in a Dielectric Metasurface. <b>2018</b> , 30, e1707499		137
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599	Near-field plasmonic beam engineering with complex amplitude modulation based on metasurface. <b>2018</b> , 112, 073104		20
598	A broadband cross-polarization conversion anisotropic metasurface based on multiple plasmon resonances. <b>2018</b> , 27, 014101		26
597	Broadband wave plates made by plasmonic metamaterials. <b>2018</b> , 8, 1051		4
596	Nonreciprocal Flat Optics with Silicon Metasurfaces. <i>Nano Letters</i> , <b>2018</b> , 18, 1104-1109	11.5	52
595	High-resolution grayscale image hidden in a laser beam. <b>2018</b> , 7, 17129		96
594	Interference Eraser Experiment Demonstrated with All-Plasmonic Which-Path Marker Based on Reverse Spin Hall Effect of Light. <b>2018</b> , 5, 1108-1114		9
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592	Research of the impact of coupling between unit cells on performance of linear-to-circular polarization conversion metamaterial with half transmission and half reflection. <b>2018</b> , 32, 1850124		
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590	Adjustable Subwavelength Metasurface-Inspired Resonator for Magnetic Resonance Imaging. <b>2018</b> , 215, 1700788		13
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588	Active metasurface for reconfigurable reflectors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	21
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585	Broadband tunable terahertz polarization converter based on graphene metamaterial. <i>Optics Communications</i> , <b>2018</b> , 413, 184-189	2	30
584	Selective Diffraction with Complex Amplitude Modulation by Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701181	8.1	36

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582	Innovations in biomedical nanoengineering: nanowell array biosensor. <b>2018</b> , 5, 9		18
581	Negative reflection and negative surface wave conversion from obliquely incident electromagnetic waves. <b>2018</b> , 7, 18008		42
580	Metasurface for multi-channel terahertz beam splitters and polarization rotators. 2018, 112, 171111		38
579	THz wavefront manipulation based on metal waveguides. <b>2018</b> , 65, 1416-1423		
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577	Diatomic Metasurface for Vectorial Holography. <i>Nano Letters</i> , <b>2018</b> , 18, 2885-2892	5	183
576	Design and Demonstration of Impedance-matched Dual-band Chiral Metasurfaces. 2018, 8, 3449		9
575	Twisting phase and intensity of light with plasmonic metasurfaces. <b>2018</b> , 8, 4884		11
574	Tunable Graphene Metasurface Reflectarray for Cloaking, Illusion, and Focusing. 2018, 9,		56
573	Wideband Cross Polarization Rotation Based on Reflective Anisotropic Surfaces. <b>2018</b> , 6, 15919-15925		17
572	Physical Explanation of Fabry <b>P</b> fot Cavity for Broadband Bilayer Metamaterials Polarization Converter. <b>2018</b> , 36, 2322-2327		45
571	Surface Plasmon Mediated Controllable Spin-Resolved Transmission in Meta-Hole Structures. <b>2018</b> , 530, 1700364		1
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566	Reflecting metallic metasurfaces designed with stochastic optimization as waveplates for manipulating light polarization. <i>Optics Communications</i> , <b>2018</b> , 410, 740-743		1

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564	All-Dielectric Meta-Reflectarray for Efficient Control of Visible Light. <b>2018</b> , 530, 1700418		13
563	Amplitude Modulation of Anomalously Refracted Terahertz Waves with Gated-Graphene Metasurfaces. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1700507	8.1	75
562	. 2018,		
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560	Reconfigurable Metasurface as Microwave Reflectors and Polarization Converters. 2018,		1
559	Enhanced High Performance of a Metasurface Polarizer Through Numerical Analysis of the Degradation Characteristics. <b>2018</b> , 13, 225		2
558	Broadband achromatic dielectric metalenses. <b>2018</b> , 7, 85		229
557	Metamaterials and metasurfaces for designing metadevices: Perfect absorbers and microstrip patch antennas. <b>2018</b> , 27, 117805		2
556	Combining Frequency-Selective Scattering and Specular Reflection Through Phase-Dispersion Tailoring of a Metasurface. <b>2018</b> , 10,		25
555	Planar Metasurface for Reconfigurable Reflector Antennas. 2018,		
554	Tunable Polarization Converter Based on Graphene Metasurfaces. 2018,		2
553	Multi-Focus Imaging Utilizing Huygens Metasurface. 2018,		О
552	Superfocusing plate of terahertz waves based on a gradient refractive index metasurface. <b>2018</b> , 124, 204902		12
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549	Metasurface-Based Polarimeters. <b>2018</b> , 8, 594		23
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544	Liquid crystal metasurfaces on micropatterned polymer substrates. <i>Optics Express</i> , <b>2018</b> , 26, 20258-202	16 <del>9</del> 3	17
543	Metalenses Based on Symmetric Slab Waveguide and c-TiOEEfficient Polarization-Insensitive Focusing at Visible Wavelengths. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	9
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537	A review of gap-surface plasmon metasurfaces: fundamentals and applications. <i>Nanophotonics</i> , <b>2018</b> , 7, 1129-1156	6.3	155
536	Manipulation of visible-light polarization with dendritic cell-cluster metasurfaces. <b>2018</b> , 8, 9696		9
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532	Experimental demonstration of a flexible metamembrane. <b>2018</b> , 112, 251112		
531	Broadband Metasurface Carpet Cloak in the Near Infrared Region. <b>2018</b> , 30, 1281-1284		15

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519	Optical field manipulation by dual magnetic resonances of a silicon metasurface. <b>2018</b> , 43, 3782-3785		1
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516	Recent Progress on Circularly Polarized Luminescent Materials for Organic Optoelectronic Devices. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800538	8.1	263
515	High-Efficiency Metasurfaces: Principles, Realizations, and Applications. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800415	8.1	151
514	Carbon nanotube attached subwavelength grating for broadband terahertz polarization conversion and dispersion control. <b>2018</b> , 139, 801-807		12
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502	Anisotropic transmissive coding metamaterials based on dispersion modulation of spoof surface plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 245104	3	1
502		3	114
	plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 245104  Plasmonic- and dielectric-based structural coloring: from fundamentals to practical applications.	3	
501	plasmon polaritons. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 245104  Plasmonic- and dielectric-based structural coloring: from fundamentals to practical applications. <b>2018</b> , 5, 1	3.3	114
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501 500 499	Plasmonic- and dielectric-based structural coloring: from fundamentals to practical applications. <b>2018</b> , 5, 1  An ultra-wideband linear polarization conversion metasurface. <b>2018</b> , 57, 090311  Wide-angle optical half-wave plate from the field transformation approach and form-birefringence theory. <i>Optics Express</i> , <b>2018</b> , 26, 20132-20144  Generation of a plasmonic radially polarized vector beam with linearly polarized illumination. <b>2018</b> ,		114 10 9
501 500 499 498	Plasmonic- and dielectric-based structural coloring: from fundamentals to practical applications.  2018, 5, 1  An ultra-wideband linear polarization conversion metasurface. 2018, 57, 090311  Wide-angle optical half-wave plate from the field transformation approach and form-birefringence theory. Optics Express, 2018, 26, 20132-20144  Generation of a plasmonic radially polarized vector beam with linearly polarized illumination. 2018, 43, 4208-4211		114 10 9
501 500 499 498 497	Plasmonic- and dielectric-based structural coloring: from fundamentals to practical applications. 2018, 5, 1  An ultra-wideband linear polarization conversion metasurface. 2018, 57, 090311  Wide-angle optical half-wave plate from the field transformation approach and form-birefringence theory. Optics Express, 2018, 26, 20132-20144  Generation of a plasmonic radially polarized vector beam with linearly polarized illumination. 2018, 43, 4208-4211  0.2 Thick Adaptive Retroreflector Made of Spin-Locked Metasurface. 2018, 30, e1802721		114 10 9 11 47

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487	Light-emitting metasurfaces. <i>Nanophotonics</i> , <b>2019</b> , 8, 1151-1198	6.3	78
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470	On-line Auxiliary Input Signal Design for Active Fault Detection and Isolation Based on Set-membership and Moving Window Techniques. <b>2019</b> , 17, 2796-2806	1
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