

# Yuehe Ge

## List of Publications by Year in descending order

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95  
papers

1,235  
citations

471509

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377865

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96  
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96  
docs citations

96  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband High-Efficiency Ultrathin Metasurfaces With Simultaneous Independent Control of Transmission and Reflection Amplitudes and Phases. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 254-263.	4.6	38
2	A broadband circularly polarized multi-beam folded transmitarray antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	2
3	Analytic solution for double optical metasurface beam scanners. Scientific Reports, 2022, 12, 5912.	3.3	1
4	A Broadband High-efficiency Multifunctional Ultrathin Metasurfaces. , 2022, , .		0
5	A Compact Multibeam Folded Transmitarray Antenna at Ku-Band. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 808-812.	4.0	31
6	Gain Enhancement of Partially Reflective Surface Antennas using a Phase-Correcting Metasurface. , 2021, , .		2
7	Grating Lobe Reduction in Sparse Arrays with a Metasurface Lens. , 2021, , .		2
8	On the Paraxial Approximation and Phase-Gradient Methods for Risley Prism Inspired Beam-Steering Metasurface Antennas. , 2021, , .		2
9	A Circularly-Polarized Mechanically Beam-Steerable Antenna. , 2021, , .		0
10	Low-Profile High-Gain Leaky-Wave Antenna With a Phase-Correcting Metasurface. , 2021, , .		2
11	Electromagnetic Cloak Using Phase Gradient Metasurfaces. , 2021, , .		0
12	A metasurface-enabled wideband high-gain dual-circularly-polarized Fabry-Perot resonator antenna. Microwave and Optical Technology Letters, 2020, 62, 3195-3202.	1.4	6
13	1 Bit Electronically Reconfigurable Folded Reflectarray Antenna Based on p-i-n Diodes for Wide-Angle Beam-Scanning Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6806-6810.	5.1	74
14	Design of a Low-Sidelobe Pyramidal Horn Antenna based on the Image Theory. , 2020, , .		0
15	Circularly Polarized Folded Transmitarray Antenna for Multi-beam Applications. , 2020, , .		5
16	A High-Gain Dual Circularly-Polarized Antenna based on Metasurface Polarizer. , 2020, , .		1
17	High-Gain Low-Sidelobe Transmitarray Antennas. , 2020, , .		0
18	Low Profile Folded Transmitarray Antenna with Quadruple Planar Feeds at Ka-Band. , 2020, , .		0

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19	A Circularly Polarized Transmissive Metasurface with Pancharatnam-Berry Phases. , 2020, , .		0
20	Wideband High-Gain Circularly-Polarized Antenna based on Reflective Metasurface with Cross-Polarization Conversion. , 2020, , .		0
21	Compact Folded Transmitarray Antenna with a Planar Feeder. , 2019, , .		7
22	Multibeam Folded Transmitarray Antenna for Massive MIMO Applications. , 2019, , .		5
23	A Compact Wideband High-Gain Metasurface-Lens-Corrected Conical Horn Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 457-461.	4.0	27
24	A 1-Bit Electronically Reconfigurable Reflectarray Antenna in X Band. IEEE Access, 2019, 7, 66567-66575.	4.2	52
25	High-efficiency cross and linear-to-circular polarization converters based on novel frequency selective surfaces. Microwave and Optical Technology Letters, 2019, 61, 2410-2419.	1.4	16
26	A Wideband High-Gain Conical Short Horn based on a Metasurface-corrected Lens. , 2019, , .		0
27	Circularly Polarized Horns Based on Standard Horns and a Metasurface Polarizer. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 480-484.	4.0	47
28	A Metasurfaced Pyramidal Horn Antenna for Circularly-Polarized Applications. , 2018, , .		0
29	Wideband high-gain circularly polarized feedhorn antenna feeding a conical short-horn. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21430.	1.2	7
30	Design of Folded Reflectarray Antennas Using Pancharatnam-Berry Phase Reflectors. IEEE Access, 2018, 6, 28818-28824.	4.2	16
31	Broadband Folded Transmitarray Antenna Based on an Ultrathin Transmission Polarizer. IEEE Transactions on Antennas and Propagation, 2018, 66, 5974-5981.	5.1	104
32	A 14 × 14 electronically reconfigurable reflectarray using 1-bit reflective element. , 2018, , .		1
33	A folded reflectarray antenna at Ka band. , 2018, , .		1
34	Enhancing the Radiation Performance of a Pyramidal Horn Antenna by Loading a Subwavelength Metasurface. IEEE Access, 2017, 5, 20164-20170.	4.2	22
35	Improved design of a low sidelobe pyramidal horn antenna loaded with a metasurface lens. , 2017, , .		1
36	Design of a folded fresnel reflector (FFR) with jerusalem-cross-shape element. , 2017, , .		1

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37	Polarization-Reconfigurable Flat Transmitarray Based on Square Frame and Crossed Dipole Elements. IEICE Transactions on Communications, 2017, E100.B, 1904-1910.	0.7	9
38	A K-BAND FLAT TRANSMITARRAY ANTENNA WITH A PLANAR MICROSTRIP SLOT-FED PATCH ANTENNA FEEDER. Progress in Electromagnetics Research C, 2016, 64, 97-104.	0.9	3
39	Designs of flat reflectarray and transmitarray antennas using the Fresnel zone principle. , 2016, , .		2
40	Design of a compact dual-band filter with controllable frequency for WLAN applications. , 2016, , .		1
41	A K-band flat lens antenna with a slot-fed antenna feeder. , 2016, , .		1
42	Ultrathin flat microwave transmitarray antenna for dual-polarised operations. Electronics Letters, 2016, 52, 1653-1654.	1.0	17
43	Reduction of sidelobe radiations of the standard pyramidal horn using a thin metamaterial lens. Electronics Letters, 2016, 52, 1973-1974.	1.0	17
44	A High-Gain Wideband Low-Profile Fabry-Perot Resonator Antenna With a Conical Short Horn. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1889-1892.	4.0	33
45	An Offset Reflectarray Antenna for Multipolarization Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1353-1356.	4.0	32
46	Wideband printed fresnel reflectarray antennas using dual-printed-dipole elements. , 2015, , .		0
47	Design of a novel circularly polarized reflectarray with a linearly polarized feeder. , 2015, , .		2
48	Design of a broadband circularly-polarized lens antenna with a linearly polarized feeder. , 2015, , .		1
49	Design of high efficiency broadband fresnel zone lens antenna at K band. , 2015, , .		0
50	A MILLIMETER-WAVE WIDEBAND HIGH-GAIN ANTENNA BASED ON THE FABRY-PEROT RESONATOR ANTENNA CONCEPT. Progress in Electromagnetics Research C, 2014, 50, 103-111.	0.9	10
51	A Novel Broadband Printed Dipole Antenna and Its Application for TD-LTE Communications. International Journal of Antennas and Propagation, 2014, 2014, 1-7.	1.2	7
52	Broadband printed dipole antenna with T-shape loadings. , 2014, , .		2
53	Design of a compact wideband high-gain MMW antenna based on Fabry-Perot antenna concept. , 2014, , .		5
54	Equivalent transmission network method for the characterization of Fabry-Perot resonator antennas. , 2012, , .		1

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55	Design of compact UWB dielectric resonator antennas. , 2012, , .		6
56	A single-layer thin partially reflecting surface for tri-band directivity enhancement. , 2012, , .		2
57	Size-reduced dielectric resonator antenna for UWB applications. , 2012, , .		1
58	A Simple Dual-Band Electromagnetic Band Gap Resonator Antenna Based on Inverted Reflection Phase Gradient. IEEE Transactions on Antennas and Propagation, 2012, 60, 4522-4529.	5.1	70
59	Investigation of millimeter-wave Fabry-Perot resonator antennas based on substrate integrated waveguide slot antennas. , 2012, , .		0
60	Stacked compact dielectric resonator antennas for broadband applications. , 2012, , .		1
61	The Use of Simple Thin Partially Reflective Surfaces With Positive Reflection Phase Gradients to Design Wideband, Low-Profile EBG Resonator Antennas. IEEE Transactions on Antennas and Propagation, 2012, 60, 743-750.	5.1	207
62	Methods to improve the bandwidth performance for compact dielectric resonator antennas. Microwave and Optical Technology Letters, 2012, 54, 2252-2256.	1.4	3
63	A new technique to design 1-D dual-band EBG resonator antennas. , 2011, , .		6
64	Compact Dielectric Resonator Antennas With Ultrawide 60%~110% Bandwidth. IEEE Transactions on Antennas and Propagation, 2011, 59, 3445-3448.	5.1	65
65	Experimental demonstration of a dual-band electromagnetic band-gap resonator antenna made out of a simple, single-layer frequency selective surface. Microwave and Optical Technology Letters, 2011, 53, 1867-1869.	1.4	8
66	A METHOD TO DESIGN DUAL-BAND, HIGH-DIRECTIVITY EBG RESONATOR ANTENNAS USING SINGLE-RESONANT, SINGLE-LAYER PARTIALLY REFLECTIVE SURFACES. Progress in Electromagnetics Research C, 2010, 13, 245-257.	0.9	34
67	Low-profile resonant cavity antenna based on an in-phase metamaterial surface. Microwave and Optical Technology Letters, 2009, 51, 731-733.	1.4	8
68	Designing a partially reflective surface with increasing reflection phase for wide-band ebg resonator antennas. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	5
69	A resonant cavity antenna based on an optimized thin superstrate. Microwave and Optical Technology Letters, 2008, 50, 3057-3059.	1.4	12
70	Analysis and design of low-profile high-gain resonant cavity antennas with single-layer superstrates. , 2008, , .		1
71	Design of Low-Profile High-Gain EBG Resonator Antennas Using a Genetic Algorithm. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 480-483.	4.0	65
72	Designing high gain microwave antennas by optimising a FSS superstrate. , 2007, , .		1

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73	A high-gain low-profile EBG resonator antenna. , 2007, , .		1
74	Wideband Stacked Dielectric Resonator Antennas. , 2007, , .		2
75	Compact microstrip and CPW duplexers using complementary and conventional logarithmic spiral resonators. , 2007, , .		1
76	Design of Single-Band and Dual-Band AMC Surfaces by combining a Micro-genetic Algorithm with the Spectral FDTD Method. , 2006, , .		0
77	A Spiral-Shaped Printed Monopole Antenna for Mobile Communications. , 2006, , .		5
78	A wideband probe-fed stacked dielectric resonator antenna. Microwave and Optical Technology Letters, 2006, 48, 1630-1633.	1.4	23
79	A printed triangular-ring antenna with a 2:1 bandwidth. Microwave and Optical Technology Letters, 2005, 44, 51-53.	1.4	14
80	A broadband E-shaped patch antenna with a microstrip-compatible feed. Microwave and Optical Technology Letters, 2004, 42, 111-112.	1.4	13
81	Microstrip-fed E-shaped patch antennas and diversity pairs for wireless communications. , 2004, , .		1
82	Broadband printed monopole antennas. , 2004, , .		0
83	A closed-form analysis of printed wide-slot antennas. International Journal of RF and Microwave Computer-Aided Engineering, 2003, 13, 389-397.	1.2	1
84	Efficient analysis of arbitrarily shaped microstrip structures. Microwave and Optical Technology Letters, 2003, 37, 246-248.	1.4	1
85	Applications of G-E closed-form Green's functions for modelling substrate based antennas. , 2003, , .		0
86	New closed-form Green's functions for microstrip structures - theory and results. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1556-1560.	4.6	37
87	A new, closed-form, spatial-domain Green's function for layered structures and its application to the method of moments. Microwave and Optical Technology Letters, 2002, 32, 229-231.	1.4	9
88	A fast and general complex image method for evaluating the Sommerfeld integrals. Microwave and Optical Technology Letters, 2001, 30, 24-26.	1.4	4
89	Computation of the radiation patterns of a rectangular dielectric-resonator antenna using the method of moments. Microwave and Optical Technology Letters, 2000, 27, 382-384.	1.4	1
90	The analysis of a rectangular dielectric resonator antenna using the method of moments. , 0, , .		0

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91	A fast method of moments based on a new closed-form Green's function for microstrip structures. , 0, , .		0
92	Application of an Extended Spectral FDTD Method for the Analysis of Periodic Structures with Lumped Elements. , 0, , .		1
93	A Dual-Band Monopole Antenna for Mobile Communications. , 0, , .		0
94	Small quad-band WLAN antenna. , 0, , .		6
95	Compact Triple-Arm Multi-Band Monopole Antenna. , 0, , .		4