Tan Qu

List of Publications by Year
in descending order

35 papers	370 citations	840776 11 h-index	794594 19 g-index
36 all docs	36 docs citations	36 times ranked	268 citing authors

#	Article	IF	Citations
1	Integrated Physical Optics for Calculating Electric-Large Metallic Sphere Scattering Irradiated by Vortex Wave in Microwave Frequency Band. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1288-1292.	4.0	4
2	Inverse Synthetic Aperture LiDAR Imaging of Rough Targets under Small Rotation Angles. Remote Sensing, 2022, 14, 2694.	4.0	0
3	A novel AFNCS algorithm for super-resolution SAR in curve trajectory. Multimedia Systems, 2021, 27, 837-844.	4.7	2
4	Focusing highly squinted missile-borne SAR data using azimuth frequency nonlinear chirp scaling algorithm. Journal of Real-Time Image Processing, 2021, 18, 1301-1308.	3.5	3
5	A generic, cluster-centred lossless compression framework for joint auroral data. Journal of Visual Communication and Image Representation, 2021, 78, 103185.	2.8	0
6	Generation of Multiple High-Order Bessel Beams Carrying Different Orbital-Angular-Momentum Modes through an Anisotropic Holographic Impedance Metasurface. Physical Review Applied, 2021, 16, .	3.8	11
7	Study on 340 GHz Wave Scintillation Characteristics Based on Experimental Data. , 2021, , .		0
8	Behavior from Phase Factor Approximate Upon the Beam Propagation in Bessel Beam Angular Spectrum Expansion. , 2021, , .		0
9	THz wave background radiation at upper troposphere. Multimedia Tools and Applications, 2020, 79, 8767-8780.	3.9	0
10	Deep learning for inversion of significant wave height based on actual sea surface backscattering coefficient model. Multimedia Tools and Applications, 2020, 79, 34173-34193.	3.9	4
11	A Comparative Study of Estimating Auroral Electron Energy from Ground-Based Hyperspectral Imagery and DMSP-SSJ5 Particle Data. Remote Sensing, 2020, 12, 2259.	4.0	5
12	Scattering of Electromagnetic Waves With Orbital Angular Momentum on Metallic Sphere. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1365-1369.	4.0	8
13	Scattering of aerosol by a high-order Bessel vortex beam for multimedia information transmission in atmosphere. Multimedia Tools and Applications, 2020, 79, 34159-34171.	3.9	5
14	Scattering of Plane Waves From an Infinite Dielectric Periodic Surface. Radio Science, 2019, 54, 758-769.	1.6	1
15	A CA-NCS algorithm in curve trajectory for smart global village. Sustainable Cities and Society, 2019, 51, 101687.	10.4	0
16	Scattering from a multilayered chiral sphere: Internal and near fields. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 232, 156-164.	2.3	0
17	Generating dual-polarization beams carrying dual orbital angular momentum modes based on anisotropic holographic metasurfaces. Journal Physics D: Applied Physics, 2019, 52, 305002.	2.8	18
18	Generation of multiple beams carrying different orbital angular momentum modes based on anisotropic holographic metasurfaces in the radio-frequency domain. Applied Physics Letters, 2019, 114, .	3.3	41

#	Article	IF	Citations
19	Design, fabrication, and measurement of an anisotropic holographic metasurface for generating vortex beams carrying orbital angular momentum. Optics Letters, 2019, 44, 1452.	3.3	23
20	Scattering and propagation of a Laguerreâ€“Gaussian vortex beam by uniaxial anisotropic bispheres. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 209, 1-9.	2.3	9
21	Design of Multiple-Polarization Reflectarray for Orbital Angular Momentum Wave in Radio Frequency. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2269-2273.	4.0	18
22	Modified model of equivalent height for predicting atmospheric attenuation at frequencies below 350 GHz. IET Microwaves, Antennas and Propagation, 2018, 12, 1420-1427.	1.4	3
23	Interactions of high-order Bessel vortex beam with a multilayered chiral sphere: Scattering and orbital angular momentum spectrum analysis. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 363-372.	2.3	13
24	Dual-polarized reflectarray for generating dual beams with two different orbital angular momentum modes based on independent feeds in C- and X-bands. Optics Express, 2018, 26, 23185.	3.4	30
25	Scattering of a uniaxial anisotropic sphere incident by a Laguerre-Gaussian vortex beam. , 2016, , .		1
26	Scattering from a multilayered chiral sphere using an iterative method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 173, 72-82.	2.3	15
27	Scattering of an anisotropic sphere by an arbitrarily incident Hermiteâ€“Gaussian beam. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 170, 117-130.	2.3	7
28	Light scattering of a Laguerreâ€“Gaussian vortex beam by a chiral sphere. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 475.	1.5	31
29	Scattering of Plasma Anisotropic Spherical Particle Incident by a High-order Bessel Beam. Procedia Engineering, 2015, 102, 167-173.	1.2	0
30	Analysis of the radiation force of a Laguerre Gaussian vortex beam exerted on an uniaxial anisotropic sphere. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 162, 103-113.	2.3	18
31	Radiation torque exerted on a uniaxial anisotropic sphere: Effects of various parameters. Optics and Laser Technology, 2014, 64, 269-277.	4.6	5
32	Analysis of the radiation force and torque exerted on a chiral sphere by a Gaussian beam. Optics Express, 2013, 21, 8677.	3.4	51
33	Analysis of rainbow scattering by a chiral sphere. Optics Express, 2013, 21, 21879.	3.4	12
34	Electromagnetic scattering by a uniaxial anisotropic sphere located in an off-axis Bessel beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1661.	1.5	28
35	Scattering Properties of the Higher-Order Hermite Gaussian Beam. Advanced Materials Research, 0, 571, 357-361.	0.3	0