

Tan Qu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Analysis of the radiation force and torque exerted on a chiral sphere by a Gaussian beam. <i>Optics Express</i> , 2013, 21, 8677.	3.4	51
2	Generation of multiple beams carrying different orbital angular momentum modes based on anisotropic holographic metasurfaces in the radio-frequency domain. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	41
3	Light scattering of a Laguerreâ€“Gaussian vortex beam by a chiral sphere. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, 475.	1.5	31
4	Dual-polarized reflectarray for generating dual beams with two different orbital angular momentum modes based on independent feeds in C- and X-bands. <i>Optics Express</i> , 2018, 26, 23185.	3.4	30
5	Electromagnetic scattering by a uniaxial anisotropic sphere located in an off-axis Bessel beam. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 1661.	1.5	28
6	Design, fabrication, and measurement of an anisotropic holographic metasurface for generating vortex beams carrying orbital angular momentum. <i>Optics Letters</i> , 2019, 44, 1452.	3.3	23
7	Analysis of the radiation force of a Laguerre Gaussian vortex beam exerted on an uniaxial anisotropic sphere. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 162, 103-113.	2.3	18
8	Design of Multiple-Polarization Reflectarray for Orbital Angular Momentum Wave in Radio Frequency. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018, 17, 2269-2273.	4.0	18
9	Generating dual-polarization beams carrying dual orbital angular momentum modes based on anisotropic holographic metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 305002.	2.8	18
10	Scattering from a multilayered chiral sphere using an iterative method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 173, 72-82.	2.3	15
11	Interactions of high-order Bessel vortex beam with a multilayered chiral sphere: Scattering and orbital angular momentum spectrum analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 363-372.	2.3	13
12	Analysis of rainbow scattering by a chiral sphere. <i>Optics Express</i> , 2013, 21, 21879.	3.4	12
13	Generation of Multiple High-Order Bessel Beams Carrying Different Orbital-Angular-Momentum Modes through an Anisotropic Holographic Impedance Metasurface. <i>Physical Review Applied</i> , 2021, 16, .	3.8	11
14	Scattering and propagation of a Laguerreâ€“Gaussian vortex beam by uniaxial anisotropic bispheres. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 209, 1-9.	2.3	9
15	Scattering of Electromagnetic Waves With Orbital Angular Momentum on Metallic Sphere. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1365-1369.	4.0	8
16	Scattering of an anisotropic sphere by an arbitrarily incident Hermiteâ€“Gaussian beam. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 170, 117-130.	2.3	7
17	Radiation torque exerted on a uniaxial anisotropic sphere: Effects of various parameters. <i>Optics and Laser Technology</i> , 2014, 64, 269-277.	4.6	5
18	A Comparative Study of Estimating Auroral Electron Energy from Ground-Based Hyperspectral Imagery and DMSP-SSJ5 Particle Data. <i>Remote Sensing</i> , 2020, 12, 2259.	4.0	5

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
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	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
24	A novel AFNCS algorithm for super-resolution SAR in curve trajectory. Multimedia Systems, 2021, 27, 837-844.	4.7	2
25	Scattering of a uniaxial anisotropic sphere incident by a Laguerre-Gaussian vortex beam. , 2016, , .		1
26	Scattering of Plane Waves From an Infinite Dielectric Periodic Surface. Radio Science, 2019, 54, 758-769.	1.6	1
27	Scattering Properties of the Higher-Order Hermite Gaussian Beam. Advanced Materials Research, 0, 571, 357-361.	0.3	0
28	Scattering of Plasma Anisotropic Spherical Particle Incident by a High-order Bessel Beam. Procedia Engineering, 2015, 102, 167-173.	1.2	0
29	A CA-NCS algorithm in curve trajectory for smart global village. Sustainable Cities and Society, 2019, 51, 101687.	10.4	0
30	Scattering from a multilayered chiral sphere: Internal and near fields. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 232, 156-164.	2.3	0
31	THz wave background radiation at upper troposphere. Multimedia Tools and Applications, 2020, 79, 8767-8780.	3.9	0
32	A generic, cluster-centred lossless compression framework for joint auroral data. Journal of Visual Communication and Image Representation, 2021, 78, 103185.	2.8	0
33	Study on 340 GHz Wave Scintillation Characteristics Based on Experimental Data. , 2021, , .		0
34	Behavior from Phase Factor Approximate Upon the Beam Propagation in Bessel Beam Angular Spectrum Expansion. , 2021, , .		0
35	Inverse Synthetic Aperture LiDAR Imaging of Rough Targets under Small Rotation Angles. Remote Sensing, 2022, 14, 2694.	4.0	0