Shubo Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3624096/publications.pdf

Version: 2024-02-01

37 papers	607 citations	623734 14 h-index	610901 24 g-index
37 all docs	37 docs citations	37 times ranked	338 citing authors

#	Article	IF	Citations
1	Autofocusing Airy beams carrying a new kind of power-exponent-phase vortices. Optics Communications, 2022, 507, 127635.	2.1	9
2	Self-healing of the bored helico-conical beam. Optics Express, 2022, 30, 9924.	3.4	12
3	Spoon-like Beams Generated with Exponential Phases. Coatings, 2022, 12, 322.	2.6	2
4	A Polygon-Like Light-Arm Zone Plate. IEEE Photonics Technology Letters, 2022, 34, 355-358.	2.5	0
5	Triple-band perfect absorber based on the gold-Al2O3-grating structure in visible and near-infrared wavelength range. Optical and Quantum Electronics, 2022, 54, 1.	3.3	9
6	Tailorable polygon-like beams generated by modified spiral petal-like zone plates. Results in Physics, 2021, 21, 103823.	4.1	4
7	Three tailorable optical vortices generated by a modified fractal spiral forked plate. Journal of Optics (United Kingdom), 2021, 23, 045603.	2.2	2
8	A Tunable â€œAncient Coinâ€•Type Perfect Absorber with High Refractive Index Sensitivity and Good Angular Polarization Tolerance. Coatings, 2021, 11, 814.	2.6	7
9	Two polygon-like beams generated by a modified interfering vortex spiral zone plate. Results in Physics, 2021, 29, 104762.	4.1	2
10	A modified multiplexed vortex helico-conical petal-like zone plate. Physica Scripta, 2021, 96, 125529.	2.5	0
11	A four-band and polarization-independent BDS-based tunable absorber with high refractive index sensitivity. Physical Chemistry Chemical Physics, 2021, 23, 26864-26873.	2.8	189
12	A spiral-like curve with an adjustable opening generated by a modified helico-conical beam. Optics Communications, 2020, 458, 124824.	2.1	16
13	Two tailorable two-arms-cross patterns with equal intensity generated by a composite square zone plate. Modern Physics Letters B, 2020, 34, 2050072.	1.9	1
14	Twin equal-intensity foci with the same resolution generated by a modified precious mean zone plate. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1067.	1.5	4
15	An annular beam with segmented phase gradients generated by a modified spiral zone plate. Journal of Optics (United Kingdom), 2019, 21, 115602.	2.2	5
16	Ring-broken optical vortices with an adjustable opening. Results in Physics, 2019, 15, 102689.	4.1	6
17	Power-exponent helico-conical optical beams. Optics and Laser Technology, 2019, 117, 288-292.	4.6	25
18	A general n-fractal aperiodic zone plate. Journal of Modern Optics, 2019, 66, 1179-1189.	1.3	6

#	Article	IF	Citations
19	An arbitrarily designed main focus with high intensity generated by a composite fractional fractal zone plate. Optics Communications, 2019, 430, 348-351.	2.1	11
20	Optical manipulation of microparticles with the momentum flux transverse to the optical axis. Optics and Laser Technology, 2019, 113, 266-272.	4.6	26
21	Composite Spiral Zone Plate. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	6
22	Free-space information transfer using the elliptic vortex beam with fractional topological charge. Optics Communications, 2019, 431, 238-244.	2.1	31
23	The generalized mean zone plate. Laser Physics, 2018, 28, 066201.	1.2	11
24	Generation of three equal-intensity foci based on a modified composite zone plate. Optik, 2018, 159, 150-156.	2.9	20
25	Two high-intensity foci with the generalized mean generated by a kinoform generalized mean lens. Optik, 2018, 175, 99-104.	2.9	10
26	Fe-doped Bi₄O₅Br₂visible light photocatalyst: A first principles investigation. Journal of Theoretical and Computational Chemistry, 2018, 17, 1850031.	1.8	5
27	Modified Thueâ€“Morse zone plates with arbitrarily designed high-intensity twin main foci. Laser Physics, 2017, 27, 125001.	1.2	14
28	Polychromatic focusing properties of Rudin-Shapiro zone plates. , 2017, , .		1
29	Annular beam with segmented phase gradients. AIP Advances, 2016, 6, .	1.3	17
30	Optical Tweezers With Fractional Fractal Zone Plate. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	16
31	Composite Thue-Morse zone plates. Optics Express, 2016, 24, 12740.	3.4	20
32	Vortex-based line beam optical tweezers. Journal of Optics (United Kingdom), 2016, 18, 105603.	2.2	16
33	Fractal zone plate beam based optical tweezers. Scientific Reports, 2016, 6, 34492.	3.3	26
34	Simultaneous shaping of amplitude and phase of light in the entire output plane with a phase-only hologram. Scientific Reports, 2015, 5, 15426.	3.3	46
35	Investigation of the dynamic bending properties of MoS2 thin films by interference colours. Scientific Reports, 2015, 5, 18441.	3.3	10
36	Optical trapping of a dielectric-covered metallic microsphere. Journal of Optics (United Kingdom), 2015, 17, 105613.	2.2	15

#	Article	IF	Citations
37	Complex amplitudes reconstructed in multiple output planes with a phase-only hologram. Journal of Optics (United Kingdom), 2015, 17, 125603.	2.2	7