Shubo Cheng

List of Publications by Year
in descending order

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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	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
2	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
3	Free-space information transfer using the elliptic vortex beam with fractional topological charge. Optics Communications, 2019, 431, 238-244.	2.1	31
4	Fractal zone plate beam based optical tweezers. Scientific Reports, 2016, 6, 34492.	3.3	26
5	Optical manipulation of microparticles with the momentum flux transverse to the optical axis. Optics and Laser Technology, 2019, 113, 266-272.	4.6	26
6	Power-exponent helico-conical optical beams. Optics and Laser Technology, 2019, 117, 288-292.	4.6	25
7	Composite Thue-Morse zone plates. Optics Express, 2016, 24, 12740.	3.4	20
8	Generation of three equal-intensity foci based on a modified composite zone plate. Optik, 2018, 159, 150-156.	2.9	20
9	Annular beam with segmented phase gradients. AIP Advances, 2016, 6, .	1.3	17
10	Optical Tweezers With Fractional Fractal Zone Plate. IEEE Photonics Journal, 2016, 8, 1-7.	2.0	16
11	Vortex-based line beam optical tweezers. Journal of Optics (United Kingdom), 2016, 18, 105603.	2.2	16
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	Optical trapping of a dielectric-covered metallic microsphere. Journal of Optics (United Kingdom), 2015, 17, 105613.	2.2	15
14	Modified Thueâ€“Morse zone plates with arbitrarily designed high-intensity twin main foci. Laser Physics, 2017, 27, 125001.	1.2	14
15	Self-healing of the bored helico-conical beam. Optics Express, 2022, 30, 9924.	3.4	12
16	The generalized mean zone plate. Laser Physics, 2018, 28, 066201.	1.2	11
17	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
18	Investigation of the dynamic bending properties of MoS2 thin films by interference colours. Scientific Reports, 2015, 5, 18441.	3.3	10

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19	Two high-intensity foci with the generalized mean generated by a kinoform generalized mean lens. Optik, 2018, 175, 99-104.	2.9	10
20	Autofocusing Airy beams carrying a new kind of power-exponent-phase vortices. Optics Communications, 2022, 507, 127635.	2.1	9
21	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
22	Complex amplitudes reconstructed in multiple output planes with a phase-only hologram. Journal of Optics (United Kingdom), 2015, 17, 125603.	2.2	7
23	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
24	Ring-broken optical vortices with an adjustable opening. Results in Physics, 2019, 15, 102689.	4.1	6
25	A general n-fractal aperiodic zone plate. Journal of Modern Optics, 2019, 66, 1179-1189.	1.3	6
26	Composite Spiral Zone Plate. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	6
27	Fe-doped Bi₄O₅Br₂visible light photocatalyst: A first principles investigation. Journal of Theoretical and Computational Chemistry, 2018, 17, 1850031.	1.8	5
28	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
29	Tailorable polygon-like beams generated by modified spiral petal-like zone plates. Results in Physics, 2021, 21, 103823.	4.1	4
30	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
31	Three tailorable optical vortices generated by a modified fractal spiral forked plate. Journal of Optics (United Kingdom), 2021, 23, 045603.	2.2	2
32	Two polygon-like beams generated by a modified interfering vortex spiral zone plate. Results in Physics, 2021, 29, 104762.	4.1	2
33	Spoon-like Beams Generated with Exponential Phases. Coatings, 2022, 12, 322.	2.6	2
34	Polychromatic focusing properties of Rudin-Shapiro zone plates. , 2017, , .		1
35	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
36	A modified multiplexed vortex helico-conical petal-like zone plate. Physica Scripta, 2021, 96, 125529.	2.5	0

#	Article	IF	Citations
37	A Polygon-Like Light-Arm Zone Plate. IEEE Photonics Technology Letters, 2022, 34, 355-358.	2.5	0