Sushanta Kumar Pal

List of Publications by Year
in descending order

27 papers	415 citations	840776 11 h-index	752698 20 g-index
27 all docs	27 docs citations	27 times ranked	150 citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Singularities to Polarization Singularities. International Journal of Optics, 2020, 2020, 1-33.	1.4	59
2	C-point and V-point singularity lattice formation and index sign conversion methods. Optics Communications, 2017, 393, 156-168.	2.1	53
3	Generation of V-point polarization singularity lattices. Optics Express, 2017, 25, 19326.	3.4	48
4	Polarization singularity index sign inversion by a half-wave plate. Applied Optics, 2017, 56, 6181.	1.8	40
5	Cultivation of lemon fields. Optics Express, 2016, 24, 28008.	3.4	38
6	Non-interferometric technique to realize vector beams embedded with polarization singularities. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1043.	1.5	30
7	Lattice of C points at intensity nulls. Optics Letters, 2018, 43, 1259.	3.3	27
8	Synthesis of Stokes vortices. Optics Letters, 2019, 44, 130.	3.3	22
9	Singularities in cylindrical vector beams. Journal of Modern Optics, 2015, 62, 1068-1075.	1.3	14
10	Reconfigurable Optical Magnetometer for Static and Dynamic Fields. Advanced Optical Materials, 2021, 9, 2001574.	7.3	14
11	Phase engineering methods in polarization singularity lattice generation. OSA Continuum, 2018, 1, 193.	1.8	12
12	Index polarity inversion by helicity inversion in Stokes vortices. Applied Physics Letters, 2020, 117, .	3.3	7
13	Generation of orthogonal lattice fields. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 853.	1.5	7
14	Use of q-plate as a coupler. Applied Optics, 2020, 59, 4933.	1.8	6
15	Hexagonal vector field of polarization singularities with a gradient basis structure. Optics Letters, 2019, 44, 2093.	3.3	6
16	Separation of spin and orbital angular momentum states from cylindrical vector beams. Optik, 2017, 132, 121-126.	2.9	5
17	Basis construction using generic orthogonal C-points. Journal of Optics (United Kingdom), 2019, 21, 085603.	2.2	5
18	Formation of polarization singularity lattice through dual-phase modulation. Journal of Optics (United Kingdom), 2020, 22, 115701.	2.2	4

#	Article	IF	Citations
19	Spatially varying lattice of C points. OSA Continuum, 2019, 2, 416.	1.8	4
20	Focal intensity landscapes of tightly focused spatially varying bright ellipse fields. Journal of Optics (United Kingdom), 2022, 24, 044013.	2.2	4
21	Full PoincarÃ© beam delineation based on the Stokes vortex ring. Journal of Optics (United Kingdom), 2021, 23, 105201.	2.2	3
22	Tailoring polarization singularity lattices by phase engineering of three-beam interference. Optik, 2022, 255, 168680.	2.9	3
23	Conversion of a basis-dependent superposition of orbital-angular-momentum states using a q plate. Physical Review A, 2021, 104, .	2.5	2
24	Handedness control in polarization lattice fields by using spiral phase filters. Applied Physics Letters, 2021, 119, .	3.3	2
25	Corrigendum to â€œPhase Singularities to Polarization Singularitiesâ€. International Journal of Optics, 2021, 2021, 1-1.	1.4	0
26	Helicity inversion and generation of orthogonal, degenerate index states of generic C points. Journal of Optics (United Kingdom), 0, , .	2.2	0
27	Non-interferometric technique to realize vector beams embedded with polarization singularities: publisherâ€™s note. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 1905.	1.5	0