Aavishkar Katti

List of Publications by Year
in descending order

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24	167	1040056 9	1125743 13
papers	citations	h-index	g-index

27	27	27	35
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial solitons in biased photovoltaic photorefractive materials with the pyroelectric effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 166-170.	2.1	24
2	Bright optical spatial solitons in photorefractive waveguides having both the linear and quadratic electro-optic effect. Wave Motion, 2018, 77, 64-76.	2.0	17
3	Theoretical investigation of incoherently coupled solitons in centrosymmetric photorefractive crystals. Optik, 2017, 136, 89-106.	2.9	13
4	Incoherently coupled photorefractive spatial solitons supported by pyroelectric effects. Journal of Nonlinear Optical Physics and Materials, 2017, 26, 1750002.	1.8	13
5	Bright pyroelectric quasi-solitons in a photorefractive waveguide. Optik, 2018, 156, 433-438.	2.9	13
6	Coupling effects for grey separate spatial solitons in a biased series photorefractive crystal circuit with both the linear and quadratic electro-optic effects. Optical and Quantum Electronics, 2017, 49, 1.	3.3	12
7	Coherently coupled solitons in photorefractive media due to pyroelectric effect. Journal of Nonlinear Optical Physics and Materials, 2017, 26, 1750044.	1.8	9
8	Incoherently coupled Gaussian soliton pairs in biased photorefractive crystal having both the linear and quadratic electro-optic effect. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	9
9	Bright screening solitons in a photorefractive waveguide. Optical and Quantum Electronics, 2018, 50, 1.	3.3	9
10	Temporal behaviour of bright solitons in photorefractive crystals having both the linear and quadratic electro-optic effect. Chaos, Solitons and Fractals, 2019, 126, 23-31.	5.1	9
11	Coupling of optical spatial solitons in photorefractive multiple quantum well planar waveguide. Optik, 2019, 183, 1048-1060.	2.9	8
12	Gaussian soliton pairs in an unbiased photorefractive crystal due to the pyroelectric effect. European Physical Journal Plus, 2019, 134, 1.	2.6	6
13	Coupling of separate solitons in a series circuit of two photon photorefractive crystals exhibiting simultaneous quadratic and linear nonlinearities. Optik, 2020, 206, 164212.	2.9	6
14	Improved and tunable optical absorption characteristics of MQW GaAs/AlGaAs nano-scale heterostructure. Optik, 2020, 208, 164544.	2.9	5
15	Coupling effects for separate spatial solitons in a biased series centrosymmetric photorefractive crystal circuit considering grey solitons. European Physical Journal D, 2018, 72, 1.	1.3	4
16	Modulation instability of broad optical beams in unbiased photorefractive pyroelectric crystals. Chaos, Solitons and Fractals, 2017, 101, 20-23.	5.1	3
17	Gap solitons supported by an optical lattice in biased photorefractive crystals having both the linear and quadratic electro-optic effect. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 749-756.	1.5	3
18	Incoherently coupled grey solitons in photorefractive multiple quantum well planar waveguides. AIP Conference Proceedings, 2019, , .	0.4	2

#	Article	IF	Citations
19	Coupled Spatial Solitons in Photorefractive Multiple Quantum Well Planar Waveguides. , 2016, , .		2
20	Photorefractive Crystal Circuits. Progress in Optical Science and Photonics, 2021, , 113-137.	0.5	0
21	Coupling of Photorefractive Solitons. Progress in Optical Science and Photonics, 2021, , 89-111.	0.5	0
22	Low power coherent grey soliton pair in photorefractive polymers. AIP Conference Proceedings, 2021, , .	0.4	0
23	Photovoltaic and Pyroelectric Solitons. Progress in Optical Science and Photonics, 2021, , 25-49.	0.5	0
24	Separate coupled solitons in biased series photorefractive semiconductor circuit. Laser Physics, 2021, 31, 085401.	1.2	0