

# Gaetano Assanto

## List of Publications by Year in descending order

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443  
papers

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20817

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458  
docs citations

458  
times ranked

4652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactions of Self-Localised Optical Wavepackets in Reorientational Soft Matter. Applied Sciences (Switzerland), 2022, 12, 2607.	2.5	2
2	Special Issue on Light Beams in Liquid Crystals. Applied Sciences (Switzerland), 2022, 12, 3668.	2.5	0
3	10.1063/5.0041198.1. , 2021, , .		0
4	Guiding light with singular beams in nanoplasmonic colloids. Applied Physics Letters, 2021, 118, .	3.3	7
5	Scalar and vector supermode solitons owing to competing nonlocal nonlinearities. Optics Express, 2021, 29, 8015.	3.4	9
6	Light Confinement with Structured Beams in Gold Nanoparticle Suspensions. Photonics, 2021, 8, 221.	2.0	3
7	Multihump thermo-reorientational solitary waves in nematic liquid crystals: Modulation theory solutions. Physical Review A, 2021, 104, .	2.5	8
8	Self-confined light waves in nematic liquid crystals. Physica D: Nonlinear Phenomena, 2020, 402, 132182.	2.8	20
9	Spin-optical solitons in liquid crystals. Physical Review A, 2020, 102, .	2.5	17
10	Vortex nematicons in planar cells. Optics Express, 2020, 28, 8282.	3.4	26
11	Optothermal vortex-solitons in liquid crystals. Optics Letters, 2020, 45, 2451.	3.3	15
12	Temperature control of nematicon trajectories. Physical Review E, 2019, 100, 062702.	2.1	7
13	Electro-optic quenching of nematicon fluctuations. Optics Letters, 2019, 44, 167.	3.3	9
14	Spatiospectral features of a soliton-assisted random laser in liquid crystals. Optics Letters, 2019, 44, 3574.	3.3	3
15	Nematicons: reorientational solitons from optics to photonics. Liquid Crystals Reviews, 2018, 6, 170-194.	4.1	30
16	Mechanical analogies for nonlinear light beams in nonlocal nematic liquid crystals. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850046.	1.8	3
17	Interplay of Thermo-Optic and Reorientational Responses in Nematicon Generation. Materials, 2018, 11, 1837.	2.9	12
18	Near-Infrared Switching of Light-Guided Random Laser. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	5

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19	Beaming random lasers with soliton control. Nature Communications, 2018, 9, 3863.	12.8	54
20	Magnetic steering of beam-confined random laser in liquid crystals. Applied Physics Letters, 2018, 113, .	3.3	10
21	Accelerated optical solitons in reorientational media with transverse invariance and longitudinally modulated birefringence. Physical Review A, 2018, 98, .	2.5	13
22	Thermo-optic soliton routing in nematic liquid crystals. Optics Letters, 2018, 43, 2296.	3.3	25
23	Spatial solitons to mold random lasers in nematic liquid crystals [Invited]. Optical Materials Express, 2018, 8, 3864.	3.0	10
24	Electro-optic steering of random laser emission in liquid crystals. Photonics Letters of Poland, 2018, 10, 103.	0.4	1
25	Directional random laser by combining cavity-less lasing and spatial solitons in liquid crystals. , 2018, , .		0
26	Magnetic routing of light-induced waveguides. Nature Communications, 2017, 8, 14452.	12.8	35
27	Interplay between diffraction and the Pancharatnam-Berry phase in inhomogeneously twisted anisotropic media. Physical Review A, 2017, 95, .	2.5	16
28	Molding Optical Waveguides with Nematicons. Advanced Optical Materials, 2017, 5, 1700199.	7.3	16
29	Waves in hyperbolic and double negative metamaterials including rogues and solitons. Nanotechnology, 2017, 28, 444001.	2.6	35
30	Bistable Beam Propagation in Liquid Crystals. IEEE Journal of Quantum Electronics, 2017, 53, 1-11.	1.9	1
31	Curved optical solitons subject to transverse acceleration in reorientational soft matter. Scientific Reports, 2017, 7, 12385.	3.3	24
32	Nematicon-enhanced spontaneous symmetry breaking. Molecular Crystals and Liquid Crystals, 2017, 649, 59-65.	0.9	0
33	Nonlinear continuous-wave optical propagation in nematic liquid crystals: Interplay between reorientational and thermal effects. Physical Review E, 2017, 96, 012703.	2.1	28
34	Reply to "Comment on "Spatial optical solitons in highly nonlocal media". Physical Review A, 2017, 95, .	2.5	0
35	Waveguiding based upon geometric phase. , 2017, , .		0
36	Freezing nematicons via photo-polymerization. , 2017, , .		0

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37	All-optical guided-wave random laser in nematic liquid crystals. <i>Optics Express</i> , 2017, 25, 4672.	3.4	17
38	Bending reorientational solitons with modulated alignment. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 2459.	2.1	15
39	Three-color vector nematicon. <i>Photonics Letters of Poland</i> , 2017, 9, 36.	0.4	5
40	Nematicons: fundamentals and advances. , 2017, , .		0
41	Nonlinear guided waves: Preface. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2016, 25, 1650041.	1.8	0
42	Highly nonlocal optical response: Benefit or drawback?. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2016, 25, 1650043.	1.8	11
43	Soliton-assisted random lasing in optically-pumped liquid crystals. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	15
44	Voltage-driven beam bistability in a reorientational uniaxial dielectric. <i>APL Photonics</i> , 2016, 1, 011302.	5.7	5
45	Nonlocal soliton scattering in random potentials. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 07LT01.	2.2	13
46	Phase-front curvature effects on nematicon generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 903.	2.1	6
47	Guiding light via geometric phases. <i>Nature Photonics</i> , 2016, 10, 571-575.	31.4	94
48	Anomalous diffraction in hyperbolic materials. <i>Physical Review A</i> , 2016, 94, .	2.5	6
49	Electromagnetic Confinement via Spin-Orbit Interaction in Anisotropic Dielectrics. <i>ACS Photonics</i> , 2016, 3, 2249-2254.	6.6	23
50	Breather solitons in highly nonlocal media. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 125501.	2.2	22
51	Quasi two-dimensional astigmatic solitons in soft chiral metastructures. <i>Scientific Reports</i> , 2016, 6, 22923.	3.3	6
52	Vortex stabilization by means of spatial solitons in nonlocal media. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 125501.	2.2	33
53	Light-Induced Waveguides in Nematic Liquid Crystals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 221-226.	2.9	7
54	Soliton-assisted random lasing in liquid crystals. , 2016, , .		0

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55	Nonperturbative Nonlinear Optics in Liquid Crystals. , 2016, , .		0
56	Nonlinear negative refraction in reorientational soft matter. Physical Review A, 2015, 92, .	2.5	5
57	Nonlinear competition in nematicon propagation. Optics Letters, 2015, 40, 5235.	3.3	24
58	Extraction of Schottky Barrier Parameters for Metal-Semiconductor Junctions on High Resistivity Inhomogeneous, Semiconductors. IEEE Transactions on Electron Devices, 2015, 62, 465-470.	3.0	4
59	Spatial optical solitons in highly nonlocal media. Physical Review A, 2015, 91, .	2.5	33
60	Diffraction-induced instability of coupled dark solitary waves. Optics Letters, 2015, 40, 1771.	3.3	5
61	Observation of Beam Self-Induced Transition from Positive to Negative Optical Refraction in Nematic Liquid Crystals. Molecular Crystals and Liquid Crystals, 2015, 619, 28-34.	0.9	0
62	Observation of stable-vector vortex solitons. Optics Letters, 2015, 40, 4182.	3.3	40
63	Soliton enhancement of spontaneous symmetry breaking. Optica, 2015, 2, 783.	9.3	32
64	On optical Airy beams in integrable and non-integrable systems. Wave Motion, 2015, 52, 183-193.	2.0	7
65	Soliton Aided Propagation and Routing of Vortex Beams in Nonlocal Media. Journal of Lasers, Optics & Photonics, 2014, 01, .	0.1	8
66	Nematic liquid crystals: An excellent playground for nonlocal nonlinear light localization in soft matter. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450046.	1.8	16
67	Steering of optical solitary waves by coplanar low power beams in reorientational media. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450045.	1.8	12
68	Vortex confinement and bending with nonlocal solitons. Optics Letters, 2014, 39, 509.	3.3	23
69	Beam hysteresis via reorientational self-focusing. Optics Letters, 2014, 39, 5830.	3.3	10
70	Backward frequency doubling of near infrared picosecond pulses. Optics Express, 2014, 22, 7544.	3.4	7
71	Nematicons in planar cells subject to the optical Fréedericksz threshold. Optics Express, 2014, 22, 30663.	3.4	4
72	Accessible solitons in diffusive media. Optics Letters, 2014, 39, 4317.	3.3	18

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73	Exact and approximate solutions for optical solitary waves in nematic liquid crystals. <i>Physica D: Nonlinear Phenomena</i> , 2014, 284, 1-15.	2.8	47
74	Bistability with Optical Beams Propagating in a Reorientational Medium. <i>Physical Review Letters</i> , 2014, 113, 023901.	7.8	32
75	Power-induced evolution and increased dimensionality of nonlinear modes in reorientational soft matter. <i>Optics Letters</i> , 2014, 39, 6399.	3.3	6
76	Power-controlled transition from standard to negative refraction in reorientational soft matter. <i>Nature Communications</i> , 2014, 5, 5533.	12.8	22
77	Spatial routing with light-induced waveguides in uniaxial nematic liquid crystals. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450047.	1.8	7
78	??-symmetric nonlocal gap solitons in optical lattices. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450041.	1.8	6
79	Design and simulation of optically controlled field effect transistors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 81-84.	0.8	19
80	Deflection of nematicon-vortex vector solitons in liquid crystals. <i>Physical Review A</i> , 2014, 89, .	2.5	17
81	Comments on "Nonlinear refractive index induced collision and propagation of nematicons" by L. Kavitha, M. Venkatesh, S. Dhamayanthi and D. Gopi. <i>Journal of Molecular Liquids</i> , 2014, 199, 481-482.	4.9	0
82	Comments on "Breather-like director reorientations in a nematic liquid crystal with nonlocal nonlinearity" by L. Kavitha, M. Venkatesh and D. Gopi. <i>Wave Motion</i> , 2014, 51, 865-866.	2.0	0
83	TCAD simulation of thermally evaporated germanium. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 69-72.	0.8	1
84	Spin- and dopant phosphorus diffusion in germanium thin films for near-infrared detectors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 57-60.	0.8	9
85	Bistable optical propagation in nematic liquid crystals. , 2014, , .		0
86	A near-infrared optoelectronic approach to detection of road conditions. <i>Optics and Lasers in Engineering</i> , 2013, 51, 633-636.	3.8	19
87	Modeling Nematicon Propagation. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 572, 2-12.	0.9	16
88	Interactions of accessible solitons with interfaces in anisotropic media: the case of uniaxial nematic liquid crystals. <i>New Journal of Physics</i> , 2013, 15, 043011.	2.9	8
89	Near-Infrared Photodetectors in Evaporated Ge: Characterization and TCAD Simulations. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 1995-2000.	3.0	6
90	Electro-optic routing of spatial solitons in Nematic Liquid Crystals. , 2013, , .		0

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91	Comment on "Solitons in highly nonlocal nematic liquid crystals: Variational approach". Physical Review A, 2013, 87, .	2.5	9
92	Frequency-Controlled Routing of Self-Confined Beams in Nematic Liquid Crystals. Molecular Crystals and Liquid Crystals, 2013, 573, 26-33.	0.9	2
93	Soliton self-routing in a finite photonic potential. Optics Letters, 2013, 38, 2071.	3.3	4
94	Deflection of nematicons through interaction with dielectric particles. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1432.	2.1	18
95	Germanium-on-Glass solar cells: fabrication and characterization. Optical Materials Express, 2013, 3, 216.	3.0	19
96	Optical vortices in antiguides. Optics Letters, 2013, 38, 1618.	3.3	5
97	Nematicons and Their Electro-Optic Control: Light Localization and Signal Readdressing via Reorientation in Liquid Crystals. International Journal of Molecular Sciences, 2013, 14, 19932-19950.	4.1	7
98	Optical roadblock detector operating in the near infrared. Electronics Letters, 2013, 49, 338-340.	1.0	0
99	Deflection and trapping of spatial solitons in linear photonic potentials. Optics Express, 2013, 21, 18646.	3.4	27
100	Light Self-Localization and Power-Dependent Steering in Anisotropic Dielectrics: Spatial Solitons in Uniaxial Nematic Liquid Crystals. Progress in Optical Science and Photonics, 2013, , 27-47.	0.5	0
101	All-optical switching of a signal by a pair of interacting nematicons. Optics Express, 2012, 20, 24701.	3.4	21
102	Tunable Nonlinearity in Nematicon Physics. Molecular Crystals and Liquid Crystals, 2012, 558, 2-11.	0.9	2
103	Self-guided beams in low-birefringence nematic liquid crystals. Physical Review A, 2012, 86, .	2.5	22
104	Scattering of reorientational optical solitary waves at dielectric perturbations. Physical Review A, 2012, 85, .	2.5	22
105	REFRACTION OF NONLINEAR LIGHT BEAMS IN NEMATIC LIQUID CRYSTALS. Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250033.	1.8	14
106	Frequency-controlled deflection of spatial solitons in nematic liquid crystals. Applied Physics Letters, 2012, 101, 081112.	3.3	11
107	Nematicon waveguides: self-confined beams and their electric control. Applied Physics B: Lasers and Optics, 2012, 108, 177-182.	2.2	7
108	Nematicons. Physics Reports, 2012, 516, 147-208.	25.6	223

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109	In-plane steering of nematicon waveguides across an electrically tuned interface. Applied Physics Letters, 2012, 100, .	3.3	26
110	Vortex Induction via Anisotropy Stabilized Light-Matter Interaction. Physical Review Letters, 2012, 109, 143901.	7.8	84
111	Electro-Optic Beam Steering with Nematicons. Molecular Crystals and Liquid Crystals, 2012, 558, 12-21.	0.9	6
112	Parametric Conversion in Micrometer and Submicrometer Structured Ferroelectric Crystals by Surface Poling. International Journal of Optics, 2012, 2012, 1-11.	1.4	9
113	Dark Spatial Solitons in Liquid Crystals. Molecular Crystals and Liquid Crystals, 2012, 558, 168-175.	0.9	0
114	Nematicons in Azobenzene Liquid Crystals. Molecular Crystals and Liquid Crystals, 2012, 559, 202-213.	0.9	9
115	Germanium-on-glass solar cells. , 2011, , .		1
116	Noise characterization of Ge/Si photodetectors. , 2011, , .		5
117	Nonparaxial solitary waves in anisotropic dielectrics. Physical Review A, 2011, 83, .	2.5	8
118	Nematicon Self-Steering. Molecular Crystals and Liquid Crystals, 2011, 549, 1-9.	0.9	2
119	Self-trapping of scalar and vector dipole solitary waves in Kerr media. Physical Review A, 2011, 83, .	2.5	52
120	Modulation analysis of nonlinear beam refraction at an interface in liquid crystals. Physical Review A, 2011, 84, .	2.5	21
121	Dipole azimuthons and vortex charge flipping in nematic liquid crystals. Optics Express, 2011, 19, 21457.	3.4	49
122	Features of randomized electric-field assisted domain inversion in lithium tantalate. Optics Express, 2011, 19, 25780.	3.4	4
123	Multimode nematicon waveguides. Optics Letters, 2011, 36, 184.	3.3	35
124	Nonparaxial (1+1)D spatial solitons in uniaxial media. Optics Letters, 2011, 36, 193.	3.3	14
125	On beam propagation in anisotropic media: one-dimensional analysis. Optics Letters, 2011, 36, 334.	3.3	7
126	Dark nematicons. Optics Letters, 2011, 36, 1356.	3.3	65



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127	Optical solitons and wave-particle duality. <i>Optics Letters</i> , 2011, 36, 1848.	3.3	36
128	Nematicon-nematicon interactions in a medium with tunable nonlinearity and fixed nonlocality. <i>Optics Letters</i> , 2011, 36, 2566.	3.3	19
129	Large electro-optic beam steering with nematicons. <i>Optics Letters</i> , 2011, 36, 2725.	3.3	30
130	Low-temperature germanium thin films on silicon. <i>Optical Materials Express</i> , 2011, 1, 856.	3.0	39
131	Light bullets in the spatiotemporal nonlinear Schrödinger equation with a variable negative diffraction coefficient. <i>Physical Review A</i> , 2011, 84, .	2.5	36
132	Thermally evaporated single-crystal Germanium on Silicon. <i>Thin Solid Films</i> , 2011, 519, 8037-8040.	1.8	15
133	Efficient pulse compression and frequency conversion of phase-modulated laser pulses in engineered quasi-phase-matching gratings. <i>Physics of Wave Phenomena</i> , 2011, 19, 107-111.	1.1	1
134	Nonlinear pulse compression by the second-harmonic generation in quasiphase and group-velocity matched samples. <i>Journal of Russian Laser Research</i> , 2011, 32, 41.	0.6	1
135	Trends and trade-offs in nematicon propagation. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 805-811.	2.2	16
136	Optical power monitors in Ge monolithically integrated on SOI chips. <i>Microelectronic Engineering</i> , 2011, 88, 514-517.	2.4	1
137	Thermal evaporation of Ge on Si for near infrared detectors: Material and device characterization. <i>Microelectronic Engineering</i> , 2011, 88, 526-529.	2.4	4
138	Micro-Raman characterization of Germanium thin films evaporated on various substrates. <i>Microelectronic Engineering</i> , 2011, 88, 492-495.	2.4	4
139	Lagrange solution for three wavelength solitary wave clusters in nematic liquid crystals. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1213-1219.	2.8	12
140	Tunable self-focusing and self-steering of nematicons. , 2011, , .		0
141	Solar cells by Germanium layer transfer on glass. , 2011, , .		0
142	Spatial solitons carrying phase singularities in nematic liquid crystals. , 2011, , .		0
143	Vortex solitons and charge flipping in nematic liquid crystals. , 2011, , .		0
144	Reorientational versus Kerr dark and gray solitary waves using modulation theory. <i>Physical Review E</i> , 2011, 84, 066602.	2.1	52

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145	Multimode waveguides in nematic liquid crystals. , 2011, , .		0
146	TRANSVERSE SELF-ACCELERATION OF NEMATICONS: CAN A SELF-CONFINED BEAM CHANGE ITS OWN PATH?. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 237-247.	1.8	2
147	Propagation of spatial optical solitons in a dielectric with adjustable nonlinearity. Physical Review A, 2010, 82, .	2.5	81
148	Solitary wave propagation and steering through light-induced refractive potentials. Physical Review A, 2010, 81, .	2.5	30
149	Germanium on Glass: A Novel Platform for Light-Sensing Devices. IEEE Photonics Journal, 2010, 2, 686-695.	2.0	3
150	Germanium on insulator near-infrared photodetectors fabricated by layer transfer. Thin Solid Films, 2010, 518, 2501-2504.	1.8	8
151	Continuous-wave backward frequency doubling in periodically poled lithium niobate. Applied Physics Letters, 2010, 96, .	3.3	26
152	Refraction of nonlinear beams by localized refractive index changes in nematic liquid crystals. Physical Review A, 2010, 82, .	2.5	34
153	Soliton self-deflection via power-dependent walk-off. Applied Physics Letters, 2010, 96, .	3.3	51
154	Nematicons in Liquid Crystal Light Valves. Molecular Crystals and Liquid Crystals, 2010, 527, 98/[254]-108/[264].	0.9	1
155	Integrated frequency shifter in periodically poled lithium tantalate waveguide. Electronics Letters, 2010, 46, 1686.	1.0	9
156	Sub-milliwatt dissipative nematicons and spontaneous light emission in dye-doped nematic liquid crystals. Electronics Letters, 2010, 46, 790.	1.0	7
157	Near-Infrared Ge-on-Si Power Monitors Monolithically Integrated on SOI Chips. IEEE Photonics Technology Letters, 2010, 22, 658-660.	2.5	10
158	Readdressable Interconnects With Spatial Soliton Waveguides in Liquid Crystal Light Valves. IEEE Photonics Technology Letters, 2010, 22, 694-696.	2.5	54
159	Counterpropagating nematicons in bias-free liquid crystals. Optics Express, 2010, 18, 3258.	3.4	40
160	Space-time bullet trains via modulation instability and nonlocal solitons. Optics Express, 2010, 18, 5934.	3.4	26
161	Widely tunable electro-optic distributed Bragg reflector in liquid crystal waveguide. Optics Express, 2010, 18, 11524.	3.4	28
162	Soft proton exchanged channel waveguides in congruent lithium tantalate for frequency doubling. Optics Express, 2010, 18, 25967.	3.4	4

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163	Random quasi-phase-matched second-harmonic generation in periodically poled lithium tantalate. Optics Letters, 2010, 35, 363.	3.3	25
164	Nematicon all-optical control in liquid crystal light valves. Optics Letters, 2010, 35, 390.	3.3	60
165	Nematicons beyond the perturbative regime. Optics Letters, 2010, 35, 2520.	3.3	23
166	Enhancement of third-harmonic generation in nonlocal spatial solitons. Optics Letters, 2010, 35, 3342.	3.3	20
167	Parametric self-trapping in the presence of randomized quasi phase matching. Optics Letters, 2010, 35, 3760.	3.3	20
168	Power-dependent nematicon steering via walk-off. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2398.	2.1	21
169	Nonlinear Disorder Mapping Through Three-Wave Mixing. IEEE Photonics Journal, 2010, 2, 18-28.	2.0	17
170	Soliton Steering by Longitudinal Modulation of the Nonlinearity in Waveguide Arrays. Physical Review Letters, 2010, 104, 053903.	7.8	27
171	Self-Turning Self-Confined Light Beams in Guest-Host Media. Physical Review Letters, 2010, 104, 213904.	7.8	41
172	Soliton gating and switching in liquid crystal light valve. Applied Physics Letters, 2010, 96, .	3.3	66
173	Nonlinear Optical Waves in Liquid Crystalline Lattices. Springer Series in Optical Sciences, 2010, , 21-35.	0.7	0
174	Accessible Light Bullets via Synergetic Nonlinearities. Physical Review Letters, 2009, 102, 203903.	7.8	85
175	Voltage-driven in-plane steering of nematicons. Applied Physics Letters, 2009, 94, .	3.3	49
176	Optical solitary waves escaping a wide trapping potential in nematic liquid crystals: Modulation theory. Physical Review A, 2009, 79, .	2.5	52
177	Modulation analysis of boundary-induced motion of optical solitary waves in a nematic liquid crystal. Physical Review A, 2009, 79, .	2.5	24
178	LIGHT SELF-LOCALIZATION IN NEMATIC LIQUID CRYSTALS: MODELLING SOLITONS IN NONLOCAL REORIENTATIONAL MEDIA. Journal of Nonlinear Optical Physics and Materials, 2009, 18, 657-691.	1.8	52
179	Germanium-on-glass near-infrared detectors. Electronics Letters, 2009, 45, 994.	1.0	5
180	Analysis of temperature dependence of Ge-on-Si photodetectors. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1086-1089.	2.7	11

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181	Guided-wave photodetectors in germanium on SOI optical chips. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1090-1093.	2.7	8
182	Spatial solitons in liquid-crystal light valves. <i>Optics Letters</i> , 2009, 34, 737.	3.3	39
183	Engineered quasi-phase matching for multiple parametric generation. <i>Optics Express</i> , 2009, 17, 3765.	3.4	12
184	Distributed feedback grating in liquid crystal waveguide: a novel approach. <i>Optics Express</i> , 2009, 17, 5251.	3.4	12
185	Interaction of self-trapped beams in high index glass. <i>Optics Express</i> , 2009, 17, 17150.	3.4	12
186	Nematicons: self-localised beams in nematic liquid crystals. <i>Liquid Crystals</i> , 2009, 36, 1161-1172.	2.2	79
187	A novel approach to distributed feedback in liquid crystals. , 2009, , .		0
188	Interacting solitons in a high index glass. , 2009, , .		0
189	Germanium on Silicon for Near-Infrared Light Sensing. <i>IEEE Photonics Journal</i> , 2009, 1, 69-79.	2.0	71
190	Second-harmonic generation in surface periodically poled lithium niobate waveguides: on the role of multiphoton absorption. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 559-565.	2.2	8
191	Discrete solitons in optics. <i>Physics Reports</i> , 2008, 463, 1-126.	25.6	990
192	Stable Proton Exchanged Waveguides in Lithium Tantalate. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 2126-2128.	2.5	4
193	All-optical isolation by directional coupling. <i>Optics Letters</i> , 2008, 33, 1641.	3.3	50
194	Temperature-Dependence of Ge on Si p-i-n Photodetectors. <i>Journal of Lightwave Technology</i> , 2008, 26, 2211-2214.	4.6	12
195	Near-Infrared p-i-n Ge-on-Si Photodiodes for Silicon Integrated Receivers. <i>Journal of Lightwave Technology</i> , 2008, 26, 2954-2959.	4.6	30
196	Efficient high-harmonic generation in engineered quasi-phase matching gratings. <i>Optics Express</i> , 2008, 16, 1.	3.4	26
197	Pulse shaping via Backward Second Harmonic Generation. <i>Optics Express</i> , 2008, 16, 2115.	3.4	16
198	Nonlinear bouncing of nematicons at the boundaries. , 2008, , .		0

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199	Non-linear control of soliton spiraling in nematic liquid crystals. , 2008, , .		0
200	Spatial solitons and their deflection in liquid crystals. , 2008, , .		0
201	All-optical steering of soliton waveguides in dye-doped liquid crystals. Applied Physics Letters, 2008, 93, .	3.3	71
202	Guiding and Routing Light with Nematicons. Molecular Crystals and Liquid Crystals, 2008, 488, 163-178.	0.9	6
203	Two-color, nonlocal vector solitary waves with angular momentum in nematic liquid crystals. Physical Review A, 2008, 78, .	2.5	52
204	Transverse nonlinear optics in heavy-metal-oxide glass. Physical Review A, 2008, 77, .	2.5	25
205	Collisionless shock resolution in nematic liquid crystals. Physical Review A, 2008, 78, .	2.5	24
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