Janusz Parka

List of Publications by Year
in descending order

92	960	471371 17	501076 28
papers	citations	h-index	g-index

93	93	93	670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anomalous resonance frequency shift in liquid crystal-loaded THz metamaterials. Nanophotonics, 2022, 11, 2341-2348.	2.9	2
2	Graphene-based tunable hyperbolic microcavity. Scientific Reports, 2021, 11, 74.	1.6	22
3	Graphene-based hyperbolic metamaterial as a switchable reflection modulator. Optics Express, 2020, 28, 6708.	1.7	40
4	Simulations of some physical parameters of homologous series of nBT and nCHBT at 0.3â€“20.0 THz. Liquid Crystals, 2019, 46, 1367-1372.	0.9	2
5	Investigations of dual-frequency nematic liquid crystals doped with dichroic dye. Liquid Crystals, 2019, 46, 1001-1012.	0.9	5
6	Recollections of Professor Yuriy Reznikov. Journal of Molecular Liquids, 2018, 267, 11-28.	2.3	1
7	Thermally induced tunability of a terahertz metamaterial by using a specially designed nematic liquid crystal mixture. Optics Express, 2018, 26, 2443.	1.7	28
8	Terahertz properties of liquid crystals doped with ferroelectric BaTiO3 nanoparticles. Liquid Crystals, 2017, 44, 1207-1215.	0.9	8
9	Liquid crystal phase shifter for THz radiation with cholesteric liquid crystal. Molecular Crystals and Liquid Crystals, 2017, 657, 51-55.	0.4	4
10	0.3â€“10.0 THz spectra for chosen liquid crystal molecules â€“ simulation and physical properties. Molecular Crystals and Liquid Crystals, 2017, 657, 66-71.	0.4	4
11	Experimental study on terahertz metamaterial embedded in nematic liquid crystal. Applied Physics Letters, 2015, 106, 092905.	1.5	35
12	Electromagnetic simulations of tunable terahertz metamaterial infiltrated with highly birefringent nematic liquid crystal. Liquid Crystals, 2015, 42, 430-434.	0.9	19
13	Properties of two-component nematic liquid crystal mixtures in the range of 0.3â€“3.0ÂTHz. Liquid Crystals, 2015, 42, 1243-1249.	0.9	7
14	Refractive indices and birefringence of hybrid liquid crystal - nanoparticles composite materials in the terahertz region. AIP Advances, 2015, 5, .	0.6	25
15	16th Topical Meeting on the Optics of liquid Crystals. Photonics Letters of Poland, 2015, 7, .	0.2	0
16	Liquid crystal materials with high birefringence for THz applications. , 2014, , .		1
17	Terahertz characterization of tunable metamaterial based on electrically controlled nematic liquid crystal. Applied Physics Letters, 2014, 105, .	1.5	60
18	Terahertz properties of fluorinated liquid crystals. Liquid Crystals, 2013, 40, 1586-1590.	0.9	21

#	Article	IF	Citations
19	Large birefringence liquid crystal in terahertz range with temperature tuning. , 2013, , .		1
20	Spectral and photorefractive properties of nematic liquid crystals from the CHBT family in the terahertz range. Liquid Crystals, 2013, 40, 1089-1094.	0.9	11
21	Dielectric Properties of Compounds Creating Dual-Frequency Nematic Liquid Crystals. Acta Physica Polonica A, 2013, 124, 940-945.	0.2	24
22	Microwave complex permittivity of voltage-tunable nematic liquid crystals measured in high resistivity silicon transducers. Applied Physics Letters, 2013, 102, .	1.5	26
23	Dielectric properties of highly anisotropic nematic liquid crystals for tunable microwave components. Applied Physics Letters, 2013, 103, .	1.5	34
24	Nematic liquid crystals in inverted microstrip structures. , 2013, , .		5
25	Spectral investigation of nematic liquid crystals with high optical anisotropy at THz frequency range. Phase Transitions, 2012, 85, 337-344.	0.6	14
26	Precise dielectric spectroscopy of a dual-frequency nematic mixture over a broad temperature range. Liquid Crystals, 2012, 39, 1237-1242.	0.9	22
27	Simulation of tunable metamaterial with nematic liquid crystal layers. , 2012, , .		1
28	Tunable negative index metamaterial employing in-plane switching mode at terahertz frequencies. Liquid Crystals, 2012, 39, 827-831.	0.9	18
29	Numerical analysis of THz metamaterial with high birefringence liquid crystal. Liquid Crystals, 2012, 39, 739-744.	0.9	16
30	Spectral Properties of Nematic Liquid Crystal Mixtures Composed with Long and Short Molecules in THz Frequency Range. Molecular Crystals and Liquid Crystals, 2012, 561, 74-81.	0.4	12
31	Liquid Crystal Materials in THz Technologies. Photonics Letters of Poland, 2012, 4, .	0.2	9
32	Tunable Liquid Crystalline Metamaterial Structure in GHz Range. Molecular Crystals and Liquid Crystals, 2011, 545, 91/[1315]-95/[1319].	0.4	10
33	Simulation of a tunable metamaterial with nematic liquid crystal layers. Liquid Crystals, 2011, 38, 377-379.	0.9	11
34	Light driven optical switching of the surface stabilized antiferroelectric liquid crystals. Optics and Lasers in Engineering, 2011, 49, 1330-1334.	2.0	5
35	Investigations of twist elastic constant K22 of new nematic liquid crystal materials using threshold IPS method. Opto-electronics Review, 2011, 19, .	2.4	9
36	Experimental study of thermally controlled metamaterial containing a liquid crystal layer at microwave frequencies. Liquid Crystals, 2011, 38, 743-747.	0.9	13

#	Article	IF	Citations
37	Silver-Gelatine Metal-Dielectric Composites Made From Developed X-Ray Films. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1602-1604.	2.4	3
38	Photorefractive properties of new liquid crystals in the near-infrared range. Liquid Crystals, 2011, 38, 25-30.	0.9	5
39	Electro-optical Kerr effect in the isotropic phase of the two antiferroelectric liquid crystal mixtures. Phase Transitions, 2010, 83, 432-439.	0.6	8
40	10.1007/s11445-008-2020-4. , 2010, 53, 302.		0
41	Holographic Recordings Using Bistable SmC* Structures. Molecular Crystals and Liquid Crystals, 2009, 502, 195-206.	0.4	3
42	Polarization difference image analysis with LC filter. Opto-electronics Review, 2009, 17, .	2.4	0
43	Mesomorphic and dielectric properties of esters useful for formulation of nematic mixtures for dual frequency addressing system. Opto-electronics Review, 2009, 17, .	2.4	17
44	Investigations of dynamic photorefractivity regime by optical polarizing microscopy. Opto-electronics Review, 2009, 17, .	2.4	2
45	Light-controlled helical pitch and dynamic gratings. Opto-electronics Review, 2009, 17, .	2.4	8
46	Dynamic photorefractivity guided by single-pulse voltage. Crystallography Reports, 2008, 53, 302-307.	0.1	0
47	Mechanisms of Re-writable Hologram Recordings in NLC Cells. Molecular Crystals and Liquid Crystals, 2008, 494, 309-319.	0.4	1
48	Polarization Difference Imaging System with LC Filter. Molecular Crystals and Liquid Crystals, 2008, 495, 51/[403]-59/[411].	0.4	2
49	Effect of space charge transport on dynamic photorefractivity. Proceedings of SPIE, 2007, , .	0.8	2
50	Measurements of anisotropic complex permittivity of liquid crystals at microwave frequencies. Journal of the European Ceramic Society, 2007, 27, 2903-2905.	2.8	14
51	One dimensional model of dye-doped nematic layer for holography. Opto-electronics Review, 2006, 14, .	2.4	0
52	Optical data storage in LC cells. Opto-electronics Review, 2006, 14, .	2.4	10
53	On the real-time reconstruction of digital holograms displayed on photosensitive liquid crystal systems. Optical Materials, 2006, 28, 1389-1397.	1.7	16
54	Index grating surface anchoring. , 2005, , .		1

#	Article	IF	Citations
55	Influence of LC cell layers modifications on diffraction efficiency and the memory effect. , 2005, , .		0
56	Dynamic photorefractivity in nematic liquid crystal cells with photoconductive orienting layers. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 98, 938-942.	0.2	2
57	PHOTOREFRACTIVE EFFECTS IN PURE MULTICOMPONENT ISOTHIOCYANATE LIQUID CRYSTALS UNDER LOW POWER ILLUMINATION. Molecular Crystals and Liquid Crystals, 2004, 413, 443-450.	0.4	4
58	LIQUID CRYSTAL PHOTOSENSITIVE CELLS AS A MEDIUM FOR REAL-TIME DIGITAL PROJECTED HOLOGRAMS. Molecular Crystals and Liquid Crystals, 2004, 413, 451-460.	0.4	1
59	<title>Liquid crystals with high photorefractive index and different cell construction solutions for optical light modulators</title>. , 2004, 5565, 321.		1
60	Video rate holography in a liquid crystal-photoconducting polymer system. , 2004, , .		3
61	Surface charge screening and boundary conditions for high two-beam coupling gain in pure liquid crystals. , 2004, , .		0
62	Properties of optically addressed liquid crystal spatial light modulators studied by mach-zehnder interferometry. Macromolecular Symposia, 2004, 212, 435-440.	0.4	0
63	<title>Dynamic photorefractivity in nematic liquid crystal panels with photoconducting polymeric layers</title>. , 2004, , .		0
64	Liquid crystals for photonic applications. Optical Materials, 2003, 21, 605-610.	1.7	39
65	Optically addressable hybrid: photoconducting polymer-liquid crystal panels. , 2003, , .		0
66	<title>Properties of photosensitive doped nematic and smectic liquid crystals and possibility of their applications</title>. , 2003, 5257, 137.		0
67	Enhancement of photorefractive effect in nematic liquid crystals. , 2002, , .		2
68	Holographic movies projected onto nematic LC cells. , 2002, , .		3
69	Diffraction efficiency in dye-doped LC cells under low-frequency AC voltage. , 2002, 4759, 298.		3
70	Photorefractivity of dye-doped NLC layers and possibility of their application. , 2002, , .		0
71	LC display for Polish gliders PW-5 and PW-6. , 2002, 4759, 450.		0
72	Effect of Optical Nonlinearity Dynamical Enhancement in Dye Doped Liquid Crystal Under A Electrical Field. Molecular Crystals and Liquid Crystals, 2002, 375, 269-280.	0.4	7

#	Article	IF	Citations
73	Self-induced nonlinear Zernike filter realized with optically addressed liquid crystal spatial light modulator. Journal of Applied Physics, 2002, 92, 5635-5641.	1.1	33
74	<title>Ordering of a.c. electric-field-induced domains in dye-doped nematics under photoexcitation</title>. , 2001, 4418, 54.		7
75	Surface-assisted optical storage in a nematic liquid crystal cell via photoinduced charge-density modulation. Organic Electronics, 2001, 2, 155-163.	1.4	11
76	Surface-mediated light-controlled Friedericksz transition in a nematic liquid crystal cell. Journal of Applied Physics, 2001, 90, 5963-5967.	1.1	59
77	Holographic grating recording in large area photoconducting liquid crystal panels. Synthetic Metals, 2000, 109, 189-193.	2.1	22
78	Holographic grating formation mechanism in dye-doped nematic liquid crystal thin layer under dc electric field. , 2000, 4147, 330.		4
79	Influence of nematic liquid crystal with dye and cell construction parameters on dynamic holographic grating formation. , 2000, 4147, 335.		3
80	Nematic Liquid Crystals as Media for Real-Time Holography. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 35, 317-325.	1.6	11
81	Optical phase conjugation in dye-doped nematic liquid crystal. Optics Communications, 1998, 149, 89-95.	1.0	68
82	Self-diffraction of light in twisted nematic liquid crystal. , 1998, 3318, 414.		0
83	<title>Phenylcyclohexanes containing ketogroup</title>. , 1998, 3319, 35.		0
84	<title>Liquid crystal optical fibers in hydrostatic pressure monitoring</title>. , 1997, 3189, 86.		0
85	Dye-doped liquid crystal composite for real-time holography. Journal of Optics, 1996, 5, 799-809.	0.5	45
86	Liquid Crystalline Compounds Based on 1,4-Disubstituted But-1-Yne. Molecular Crystals and Liquid Crystals, 1995, 260, 201-215.	0.3	6
87	<title>Investigations of liquid-crystal display for car dashboards</title>. , 1993, , .		0
88	<title>Liquid-crystal materials for STN effect</title>. , 1993, , .		2
89	<title>Multicomponent nematic mixtures for LCD manufactured from smectic A compounds</title>. , 1993, 1845, 463.		0
90	<title>Guest-host investigations for black-and-white displays</title>. , 1993, , .		0

#	Article	IF	Citations
91	‹title›Dichroic dyes with optical activity‹/title›. , 1993, , .		0
92	Experimental Verification of Singleâ€Type Electron Population in Indium Tin Oxide Layers. Physica Status Solidi - Rapid Research Letters, 0, , .	1.2	0