

RafaÅ, Kowerdziej

List of Publications by Year in descending order

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25
papers

467
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623574

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25
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz characterization of tunable metamaterial based on electrically controlled nematic liquid crystal. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	60
2	Graphene-based hyperbolic metamaterial as a switchable reflection modulator. <i>Optics Express</i> , 2020, 28, 6708.	1.7	40
3	Ultrafast electrical switching of nanostructured metadvice with dual-frequency liquid crystal. <i>Scientific Reports</i> , 2019, 9, 20367.	1.6	39
4	Experimental study on terahertz metamaterial embedded in nematic liquid crystal. <i>Applied Physics Letters</i> , 2015, 106, 092905.	1.5	35
5	Dielectric properties of highly anisotropic nematic liquid crystals for tunable microwave components. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	34
6	Thermally induced tunability of a terahertz metamaterial by using a specially designed nematic liquid crystal mixture. <i>Optics Express</i> , 2018, 26, 2443.	1.7	28
7	Microwave complex permittivity of voltage-tunable nematic liquid crystals measured in high resistivity silicon transducers. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	26
8	The influence of structure and concentration of cyano-terminated and terphenyl dopants on helical pitch and helical twist sense in orthoconic antiferroelectric mixtures. <i>Liquid Crystals</i> , 2012, 39, 1498-1502.	0.9	24
9	Tunable dual-band liquid crystal based near-infrared perfect metamaterial absorber with high-loss metal. <i>Liquid Crystals</i> , 2019, 46, 1568-1573.	0.9	24
10	Graphene-based tunable hyperbolic microcavity. <i>Scientific Reports</i> , 2021, 11, 74.	1.6	22
11	Electromagnetic simulations of tunable terahertz metamaterial infiltrated with highly birefringent nematic liquid crystal. <i>Liquid Crystals</i> , 2015, 42, 430-434.	0.9	19
12	Tunable negative index metamaterial employing in-plane switching mode at terahertz frequencies. <i>Liquid Crystals</i> , 2012, 39, 827-831.	0.9	18
13	Numerical analysis of THz metamaterial with high birefringence liquid crystal. <i>Liquid Crystals</i> , 2012, 39, 739-744.	0.9	16
14	Nematic liquid crystal mixtures dedicated to thermally tunable terahertz devices. <i>Liquid Crystals</i> , 2018, 45, 1040-1046.	0.9	16
15	Active control of terahertz radiation using a metamaterial loaded with a nematic liquid crystal. <i>Liquid Crystals</i> , 2016, 43, 1120-1125.	0.9	14
16	Experimental study of thermally controlled metamaterial containing a liquid crystal layer at microwave frequencies. <i>Liquid Crystals</i> , 2011, 38, 743-747.	0.9	13
17	Simulation of a tunable metamaterial with nematic liquid crystal layers. <i>Liquid Crystals</i> , 2011, 38, 377-379.	0.9	11
18	Tunable Liquid Crystalline Metamaterial Structure in GHz Range. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 545, 91/[1315]-95/[1319].	0.4	10

#	ARTICLE	IF	CITATIONS
19	Investigations of twist elastic constant K ₂₂ of new nematic liquid crystal materials using threshold IPS method. <i>Opto-electronics Review</i> , 2011, 19, .	2.4	9
20	Photorefractive properties of new liquid crystals in the near-infrared range. <i>Liquid Crystals</i> , 2011, 38, 25-30.	0.9	5
21	Simulations of some physical parameters of homologous series of nBT and nCHBT at 0.3–20.0 THz. <i>Liquid Crystals</i> , 2019, 46, 1367-1372.	0.9	2
22	Simulation of tunable metamaterial with nematic liquid crystal layers. , 2012, , .		1
23	Second-order susceptibility spectra for $\hat{\Gamma}$ -BiB ₃ O ₆ polymer nanocomposites deposited on the chalcogenide crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 146, 187-191.	2.0	1
24	Optimization Procedure for Liquid Crystal Display Working Under High External Lighting. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 507, 169-177.	0.4	0
25	Hybrid Metastructures Enabled by Dual-Frequency Liquid Crystals. , 2021, , 1-20.		0