

Igor Pinkevych

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

151
citations

7
h-index

12
g-index

22
ext. papers

173
ext. citations

2.1
avg, IF

2.45
L-index

#	Paper	IF	Citations
19	Tunable all-optical switching in periodic structures with liquid-crystal defects. <i>Optics Express</i> , 2006 , 14, 2839-44	3.3	44
18	Electric field interactions and aggregation dynamics of ferroelectric nanoparticles in isotropic fluid suspensions. <i>Physical Review B</i> , 2011 , 84,	3.3	27
17	Two-beam energy exchange in a hybrid photorefractive-flexoelectric liquid-crystal cell. <i>Physical Review E</i> , 2010 , 81, 031705	2.4	14
16	Cloaking by shells with radially inhomogeneous anisotropic permittivity. <i>Optics Express</i> , 2016 , 24, A21-32,3		12
15	Surface plasmon absorption in MoS ₂ and graphene-MoS ₂ micro-gratings and the impact of a liquid crystal substrate. <i>AIP Advances</i> , 2018 , 8, 045024	1.5	9
14	Two-Beam Energy Exchange in a Hybrid Photorefractive Inorganic-Cholesteric Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 560, 8-22	0.5	9
13	Beam coupling in hybrid photorefractive inorganic-cholesteric liquid crystal cells: Impact of optical rotation. <i>Journal of Applied Physics</i> , 2014 , 115, 103103	2.5	8
12	Influence of anchoring at a nematic cell surface on threshold spatially periodic reorientation of a director. <i>Liquid Crystals</i> , 2007 , 34, 577-583	2.3	7
11	Effective medium theory for anisotropic media with plasmonic core-shell nanoparticle inclusions. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	6
10	Liquid crystal control of the plasmon resonances at terahertz frequencies in graphene microribbon gratings. <i>Physical Review E</i> , 2017 , 96, 022703	2.4	5
9	Impact of photo-transformed molecules on two-beam energy exchange in hybrid photorefractive cholesteric cells. <i>Journal of Molecular Liquids</i> , 2018 , 267, 45-55	6	3
8	Controlling hyperbolic metamaterials with a core-shell nanowire array [Invited]. <i>Optical Materials Express</i> , 2017 , 7, 542	2.6	3
7	Electro-optical effect in a planar nematic cell with electric field sensitive boundary conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 647, 320-328	0.5	1
6	Two-wave energy exchange in photorefractive hybrid cell with bent-core liquid crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 646, 250-262	0.5	1
5	Two beam energy exchange in hybrid liquid crystal cells with photorefractive field controlled boundary conditions. <i>AIP Advances</i> , 2016 , 6, 095207	1.5	1
4	Flexoelectro-optic effect and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a short-pitch horizontal helix. <i>Physical Review E</i> , 2018 , 97, 062701	2.4	1
3	Director grating and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a helicoidal polymer network. <i>Journal of Applied Physics</i> , 2020 , 127, 125502	2.5	

- 2 Influence of flexoelectric effect on the correlation of thermal director fluctuations in filled nematic liquid crystals. *Crystallography Reports*, **2008**, 53, 497-501 0.6
- 1 Threshold spatially periodic structure of the director in a nematic flexoelectric cell with finite anchoring energy. *Crystallography Reports*, **2005**, 50, 471-477 0.6