Igor Pinkevych

List of Publications by Year in Descending Order

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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	Director grating and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a helicoidal polymer network. *Journal of Applied Physics*, **2020**, 127, 125502	2.5	
18	Impact of photo-transformed molecules on two-beam energy exchange in hybrid photorefractive cholesteric cells. *Journal of Molecular Liquids*, **2018**, 267, 45-55	6	3
17	Surface plasmon absorption in MoS2 and graphene-MoS2 micro-gratings and the impact of a liquid crystal substrate. *AIP Advances*, **2018**, 8, 045024	1.5	9
16	Effective medium theory for anisotropic media with plasmonic core-shell nanoparticle inclusions. *European Physical Journal Plus*, **2018**, 133, 1	3.1	6
15	Flexoelectro-optic effect and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a short-pitch horizontal helix. *Physical Review E*, **2018**, 97, 062701	2.4	1
14	Electro-optical effect in a planar nematic cell with electric field sensitive boundary conditions. *Molecular Crystals and Liquid Crystals*, **2017**, 647, 320-328	0.5	1
13	Two-wave energy exchange in photorefractive hybrid cell with bent-core liquid crystal. *Molecular Crystals and Liquid Crystals*, **2017**, 646, 250-262	0.5	1
12	Liquid crystal control of the plasmon resonances at terahertz frequencies in graphene microribbon gratings. *Physical Review E*, **2017**, 96, 022703	2.4	5
11	Controlling hyperbolic metamaterials with a core-shell nanowire array [Invited]. *Optical Materials Express*, **2017**, 7, 542	2.6	3
10	Two beam energy exchange in hybrid liquid crystal cells with photorefractive field controlled boundary conditions. *AIP Advances*, **2016**, 6, 095207	1.5	1
9	Cloaking by shells with radially inhomogeneous anisotropic permittivity. *Optics Express*, **2016**, 24, A21-32	3.3	12
8	Beam coupling in hybrid photorefractive inorganic-cholesteric liquid crystal cells: Impact of optical rotation. *Journal of Applied Physics*, **2014**, 115, 103103	2.5	8
7	Two-Beam Energy Exchange in a Hybrid Photorefractive Inorganic-Cholesteric Cell. *Molecular Crystals and Liquid Crystals*, **2012**, 560, 8-22	0.5	9
6	Electric field interactions and aggregation dynamics of ferroelectric nanoparticles in isotropic fluid suspensions. *Physical Review B*, **2011**, 84,	3.3	27
5	Two-beam energy exchange in a hybrid photorefractive-flexoelectric liquid-crystal cell. *Physical Review E*, **2010**, 81, 031705	2.4	14
4	Influence of flexoelectric effect on the correlation of thermal director fluctuations in filled nematic liquid crystals. *Crystallography Reports*, **2008**, 53, 497-501	0.6	
3	Influence of anchoring at a nematic cell surface on threshold spatially periodic reorientation of a director. *Liquid Crystals*, **2007**, 34, 577-583	2.3	7

2	Tunable all-optical switching in periodic structures with liquid-crystal defects. *Optics Express*, **2006**, 14, 2839-44	3.3	44
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	