

# Peter Salamon

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

642  
citations

623734

14  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic constants and orientational viscosities of a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2011, 83, 031701.	2.1	97
2	Dielectric properties of mixtures of a bent-core and a calamitic liquid crystal. <i>Physical Review E</i> , 2010, 81, 031711.	2.1	62
3	Electrically induced patterns in nematics and how to avoid them. <i>Liquid Crystals Reviews</i> , 2016, 4, 101-134.	4.1	60
4	Fast and Giant Photo-rheological Effect in a Liquid Crystal Dimer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802032.	3.7	47
5	Design of functional multicomponent liquid crystalline mixtures with nano-scale pitch fulfilling deformed helix ferroelectric mode demands. <i>Journal of Molecular Liquids</i> , 2019, 290, 111329.	4.9	44
6	Tunable surface roughness and wettability of a soft magnetoactive elastomer. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46221.	2.6	32
7	Spherical-cap droplets of a photo-responsive bent liquid crystal dimer. <i>Soft Matter</i> , 2019, 15, 989-998.	2.7	28
8	Ferroelectric nematic liquid crystal thermomotor. <i>Physical Review E</i> , 2022, 105, .	2.1	28
9	Tunable Optical Grating Based on the Flexoelectric Effect in a Bent-Core Nematic Liquid Crystal. <i>Physical Review Applied</i> , 2017, 7, .	3.8	26
10	Dielectric technique to measure the twist elastic constant of liquid crystals: The case of a bent-core material. <i>Physical Review E</i> , 2012, 85, 061704.	2.1	21
11	Temporal evolution and alternation of mechanisms of electric-field-induced patterns at ultralow-frequency driving. <i>Physical Review E</i> , 2012, 86, 021702.	2.1	19
12	High concentration ferronematics in low magnetic fields. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 372, 117-121.	2.3	19
13	Flashing flexodomains and electroconvection rolls in a nematic liquid crystal. <i>Physical Review E</i> , 2013, 87, .	2.1	17
14	Physical properties of a bent-core nematic liquid crystal and its mixtures with calamitic molecules. <i>Phase Transitions</i> , 2012, 85, 872-887.	1.3	16
15	Tunable Optical Vortices Generated by Self-Assembled Defect Structures in Nematics. <i>Physical Review Applied</i> , 2018, 10, .	3.8	14
16	Domain structures as optical gratings controlled by electric field in a bent-core nematic. <i>Optics Express</i> , 2015, 23, 15224.	3.4	13
17	Unusual polarity-dependent patterns in a bent-core nematic liquid crystal under low-frequency ac field. <i>Physical Review E</i> , 2015, 91, 042501.	2.1	11
18	Lactic acid derivatives with terphenyl molecular core. <i>Liquid Crystals</i> , 2016, 43, 1251-1258.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Annihilation of point defect pairs in freely suspended liquid-crystal films. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
20	Patterns driven by combined ac and dc electric fields in nematic liquid crystals. <i>Physical Review E</i> , 2014, 89, 052507.	2.1	10
21	Magnetic control of flexoelectric domains in a nematic fluid. <i>Soft Matter</i> , 2014, 10, 4487-4497.	2.7	9
22	Tunable two-dimensional polarization grating using a self-organized micropixelated liquid crystal structure. <i>RSC Advances</i> , 2018, 8, 41472-41479.	3.6	9
23	Lens shape liquid crystals in electric fields. <i>Journal of Molecular Liquids</i> , 2021, 334, 116085.	4.9	9
24	Liquid crystal spherical caps in magnetic fields. <i>Physical Review Research</i> , 2020, 2, .	3.6	7
25	Suppression of spatially periodic patterns by dc voltage. <i>Physical Review E</i> , 2016, 93, 042701.	2.1	5
26	Ferronematics based on the nematic 6CB in combined electric and magnetic fields. <i>Phase Transitions</i> , 2017, 90, 780-789.	1.3	5
27	Defects induced by anchoring transitions of nematic fluids at solid and gas interfaces. <i>Journal of Molecular Liquids</i> , 2021, 336, 116074.	4.9	4
28	Inhibited pattern formation by asymmetrical high-voltage excitation in nematic fluids. <i>Physical Review E</i> , 2014, 90, 022505.	2.1	3
29	Synthesis and mesomorphic properties of resorcylic di[4-(4-alkoxy-2,3-difluorophenyl)ethynyl] benzoate liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 427-433.	2.2	2
30	High-Contrast and Fast Photorheological Switching of a Twist-Bend Nematic Liquid Crystal. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
31	Liquid Crystals: Fast and Giant Photorheological Effect in a Liquid Crystal Dimer ( <i>Adv. Mater.</i> ) <a href="#">TJ ETQq1 1 0.784314 rgBT /Overlock</a>	3.7	1
32	Oriental self-assembly of nanoparticles in nematic droplets. <i>Nanoscale Advances</i> , 2021, 3, 2777-2781.	4.6	1