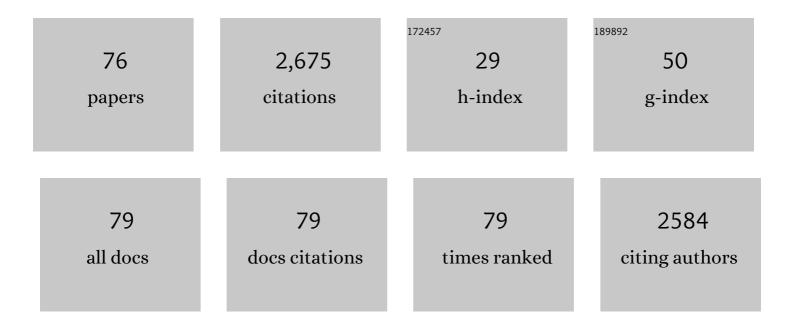
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Isotropic to nematic transition in alcohol ferrofluids of barium hexaferrite nanoplatelets. Journal of Molecular Liquids, 2022, 348, 118038.	4.9	6
2	Blue Phase III: Topological Fluid of Skyrmions. Physical Review X, 2022, 12, .	8.9	3
3	Magnetic dynamics in suspensions of ferrimagnetic platelets. Journal of Molecular Liquids, 2022, 360, 119484.	4.9	3
4	New Insights into Amino-Functionalization of Magnetic Nanoplatelets with Silanes and Phosphonates. Nanomaterials, 2022, 12, 2123.	4.1	1
5	Experimental analysis of the stability of ferrofluids based on Iron Oxide powder. Inżynieria Bezpieczeństwa Obiektów Antropogenicznych, 2021, , 1-6.	0.2	Ο
6	Electrooptics of mm-scale polar domains in the ferroelectric nematic phase. Liquid Crystals, 2021, 48, 2055-2071.	2.2	47
7	On the molecular origins of the ferroelectric splay nematic phase. Nature Communications, 2021, 12, 4962.	12.8	61
8	Preparation of Barium-Hexaferrite/Gold Janus Nanoplatelets Using the Pickering Emulsion Method. Nanomaterials, 2021, 11, 2797.	4.1	0
9	Formation of Fe(III)-phosphonate Coatings on Barium Hexaferrite Nanoplatelets for Porous Nanomagnets. ACS Omega, 2020, 5, 14086-14095.	3.5	9
10	Q-tensor model of twist-bend and splay nematic phases. Physical Review E, 2020, 101, 022704.	2.1	24
11	Ferroelectric-Ferroelastic Phase Transition in a Nematic Liquid Crystal. Physical Review Letters, 2020, 124, 037801.	7.8	123
12	Acrylate-Based Hybrid Sol-Gel Coating for Corrosion Protection of AA7075-T6 in Aircraft Applications: The Effect of Copolymerization Time. Polymers, 2020, 12, 948.	4.5	22
13	The influence of polydispersity on the structural properties of the isotropic phase of magnetic nanoplatelets. Journal of Molecular Liquids, 2020, 312, 113293.	4.9	5
14	Orientational order in the splay nematic ground state. Physical Chemistry Chemical Physics, 2019, 21, 18769-18772.	2.8	34
15	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 503-503.	3.0	Ο
16	Optical second harmonic generation in a ferromagnetic liquid crystal. Soft Matter, 2019, 15, 8758-8765.	2.7	2
17	Electrostatic Interactions between Barium Hexaferrite Nanoplatelets in Alcohol Suspensions. Journal of Physical Chemistry C, 2019, 123, 23272-23279.	3.1	13
18	Evolution of nematic and ferromagnetic ordering in suspensions of magnetic nanoplatelets. Soft Matter, 2019, 15, 5412-5420.	2.7	16

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19	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 529-539.	3.0	16
20	Conference report FLC 2019: frontiers of chirality and polarity in soft matter. Liquid Crystals Today, 2019, 28, 74-75.	2.3	0
21	Magnetically tunable optical diffraction gratings based on a ferromagnetic liquid crystal. Optics Express, 2019, 27, 8900.	3.4	12
22	Magnetically controllable random laser in ferromagnetic nematic liquid crystals. Optics Express, 2019, 27, 24426.	3.4	19
23	Magneto-optic dynamics in a ferromagnetic nematic liquid crystal. Physical Review E, 2018, 97, 012701.	2.1	30
24	Anisotropic magnetic nanoparticles: A review of their properties, syntheses and potential applications. Progress in Materials Science, 2018, 95, 286-328.	32.8	229
25	Comparison of dynamic behavior of ferroelectric and ferromagnetic nematic suspensions. Journal of Molecular Liquids, 2018, 267, 377-383.	4.9	9
26	Splay Nematic Phase. Physical Review X, 2018, 8, .	8.9	61
27	Functionalization of iron oxide nanoparticles with methacrylate-based monomers for preparation of nanocomposites. AIP Conference Proceedings, 2018, , .	0.4	0
28	Nanocomposites comprised of homogeneously dispersed magnetic iron-oxide nanoparticles and poly(methyl methacrylate). Beilstein Journal of Nanotechnology, 2018, 9, 1613-1622.	2.8	11
29	Director reorientation dynamics of ferromagnetic nematic liquid crystals. Soft Matter, 2018, 14, 7180-7189.	2.7	17
30	Ferromagnetic nematic liquid crystals. Liquid Crystals Reviews, 2017, 5, 1-33.	4.1	86
31	Field-controlled structures in ferromagnetic cholesteric liquid crystals. Science Advances, 2017, 3, e1701336.	10.3	31
32	Dynamic Magneto-optic Coupling in a Ferromagnetic Nematic Liquid Crystal. Physical Review Letters, 2017, 119, 097802.	7.8	29
33	Magnetic-field tuning of whispering gallery mode lasing from ferromagnetic nematic liquid crystal microdroplets. Optics Express, 2017, 25, 1073.	3.4	34
34	Spontaneous liquid crystal and ferromagnetic ordering of colloidal magnetic nanoplates. Nature Communications, 2016, 7, 10394.	12.8	94
35	Adsorption of Amino Acids, Aspartic Acid, and Lysine onto Iron-Oxide Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 14372-14381.	3.1	37
36	Composition, structure and morphology of hybrid acrylate-based sol–gel coatings containing Si and Zr composed for protective applications. Surface and Coatings Technology, 2016, 286, 388-396.	4.8	30

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37	Magnetodielectric and magnetoviscosity response of a ferromagnetic liquid crystal at low magnetic fields. Applied Physics Letters, 2015, 106, .	3.3	37
38	Monolithic Magneto-Optical Nanocomposites of Barium Hexaferrite Platelets in PMMA. Scientific Reports, 2015, 5, 11395.	3.3	33
39	Ferromagnetic liquid crystals for magnetic field visualisation. Liquid Crystals, 2015, 42, 1684-1688.	2.2	20
40	Phase transitions, optical, dielectric and viscoelastic properties of colloidal suspensions of BaTiO ₃ nanoparticles and cyanobiphenyl liquid crystals. Liquid Crystals, 2015, 42, 1059-1067.	2.2	31
41	Controlled heteroaggregation of two types of nanoparticles in an aqueous suspension. Journal of Colloid and Interface Science, 2015, 438, 235-243.	9.4	35
42	Magneto-optic and converse magnetoelectric effects in a ferromagnetic liquid crystal. Soft Matter, 2014, 10, 9065-9072.	2.7	92
43	Influence of the Morphology of Ferrite Nanoparticles on the Directed Assembly into Magnetically Anisotropic Hierarchical Structures. Langmuir, 2014, 30, 6588-6595.	3.5	14
44	Chemically induced twist-bend nematic liquid crystals, liquid crystal dimers, and negative elastic constants. Physical Review E, 2013, 88, 022503.	2.1	180
45	Ferromagnetism in suspensions of magnetic platelets in liquid crystal. Nature, 2013, 504, 237-241.	27.8	254
46	Design of a single-chain polypeptide tetrahedron assembled from coiled-coil segments. Nature Chemical Biology, 2013, 9, 362-366.	8.0	272
47	Flow and anchoring effects on nematic fluctuations in confined geometry. Liquid Crystals, 2013, 40, 1646-1654.	2.2	6
48	Effect of inorganic 1D nanoparticles on electrooptic properties of 5CB liquid crystal. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2328-2334.	1.8	14
49	Critical behavior of director fluctuations in suspensions of ferroelectric nanoparticles in liquid crystals at the nematic to smectic- <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>A</mml:mi></mml:math> phase transition. Physical Review E, 2012, 85, 021705.	2.1	15
50	Anisotropic microrheological properties of chain-forming magnetic fluids. Soft Matter, 2011, 7, 125-131.	2.7	19
51	Superparamagnetic nanocomposite particles synthesized using the mini-emulsion technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 366, 113-119.	4.7	20
52	Enhanced Magneto-Optical Properties of Suspensions of Spindle Type Mono-Dispersed Hematite Nano-Particles in Liquid Crystal. Molecular Crystals and Liquid Crystals, 2010, 525, 104-111.	0.9	28
53	Anomalous diffusion in ferrofluids. Physical Review E, 2009, 79, 041402.	2.1	34
54	Anisotropic diffusion of light in polymer dispersed liquid crystals. Physical Review E, 2007, 75, 011705.	2.1	11

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55	Band Structure of Orientational Modes in Quasiperiodic Mesoscale Liquid-Crystal–Polymer Dispersions. Physical Review Letters, 2007, 98, .	7.8	0
56	Coupled director and polarization fluctuations in suspensions of ferroelectric nanoparticles in nematic liquid crystals. Physical Review E, 2007, 76, 011702.	2.1	37
57	Visco-Elastic Properties of Nematic-MoS ₂ Nanotubes Mixtures. Molecular Crystals and Liquid Crystals, 2005, 435, 163/[823]-172/[832].	0.9	5
58	Observation of thermal fluctuations of disclination lines in a nematic liquid crystal. Physical Review E, 2004, 69, 021711.	2.1	12
59	Thermal Fluctuations of Disclination Lines in a Thin Nematic Film. Molecular Crystals and Liquid Crystals, 2003, 395, 311-316.	0.9	0
60	Dynamic Light Scattering in Confined Liquid Crystals. , 2003, , 498-517.		0
61	Rotational diffusion in a bistable potential. Europhysics Letters, 2002, 59, 337-343.	2.0	16
62	Dynamic light scattering measurements of azimuthal and zenithal anchoring of nematic liquid crystals. Physical Review E, 2002, 65, 041712.	2.1	33
63	Aging of surface anchoring and surface viscosity of a nematic liquid crystal on photoaligning poly-(vinyl-cinnamate). Physical Review E, 2001, 63, 061709.	2.1	45
64	Dynamic light scattering as a probe of orientational dynamics in confined liquid crystals. Physical Review E, 2000, 61, 1622-1628.	2.1	34
65	Dynamical Behavior of Liquid Crystals Containing Dispersed Silica Particles Near Sm A - N and N - I Phase Transitions. Molecular Crystals and Liquid Crystals, 1999, 331, 81-87.	0.3	8
66	Investigation of Encapsulation and Solvatochromism of Fullerenes in Binary Solvent Mixtures. Journal of Physical Chemistry B, 1999, 103, 11256-11260.	2.6	62
67	Surface-Dominated Orientational Dynamics and Surface Viscosity in Confined Liquid Crystals. Physical Review Letters, 1998, 81, 5844-5847.	7.8	52
68	Dynamic response of a nematic liquid crystal in silica aerogel in an external electric field. Physical Review E, 1998, 57, 6732-6736.	2.1	4
69	Reorientation in Random Potential: A Model for Glasslike Dynamics in Confined Liquid Crystals. Physical Review Letters, 1998, 80, 1449-1452.	7.8	25
70	Dynamic Light Scattering in Nematic Liquid Crystals in Confined Geometries. Molecular Crystals and Liquid Crystals, 1998, 320, 287-299.	0.3	5
71	Rotational diffusion and orientational fluctuations in polymer-dispersed liquid crystals. , 1998, , .		0
72	Evidence of dynamic long-range correlations in a nematic-liquid-crystal–aerogel system. Physical Review E, 1997, 55, 504-507.	2.1	35

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73	Dynamic light scattering in polymer-dispersed liquid crystals. Physical Review E, 1997, 56, 549-553.	2.1	44
74	Light Scattering Intensity Correlation Function in Disordered Nematic Systems. Molecular Crystals and Liquid Crystals, 1996, 282, 35-41.	0.3	6
75	Characterization of the pyroelectric effect inYBa2Cu3O7aˆˆĴ´. Physical Review B, 1993, 48, 16634-16640.	3.2	23
76	Liquid Crystals: The Beautiful State of Matter. Alternator, 0, 4, .	0.0	0