

# Federica Ciuchi

## List of Publications by Year in descending order

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65  
papers

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citations

304743

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361022

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docs citations

65  
times ranked

1713  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical Confinement of Chromonics: Effects of a Chiral Aminoacid. <i>Nanomaterials</i> , 2022, 12, 619.	4.1	3
2	Intercalation or external binding: How to torque chromonic Sunset Yellow. <i>Journal of Molecular Liquids</i> , 2022, 359, 119265.	4.9	5
3	Nanoscale Structure of Langmuir-Blodgett Film of Bent-Core Molecules. <i>Nanomaterials</i> , 2022, 12, 2285.	4.1	1
4	Induced Chiral Chromonics Confined in Micrometric Droplets. <i>Advanced Functional Materials</i> , 2021, 31, 2010394.	14.9	6
5	Graphene oxide on magnetron sputtered silver thin films for SERS and metamaterial applications. <i>Applied Surface Science</i> , 2018, 427, 927-933.	6.1	45
6	The role of edible oils in low molecular weight organogels rheology and structure. <i>Food Research International</i> , 2018, 111, 399-407.	6.2	16
7	Ion Motion in Electrolytic Cells: Anomalous Diffusion Evidences. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2882-2886.	2.6	17
8	A rheological modelling and microscopic analysis of bigels. <i>Rheologica Acta</i> , 2017, 56, 753-763.	2.4	30
9	Physical investigation of electrophoretically deposited graphene oxide and reduced graphene oxide thin films. <i>Journal of Applied Physics</i> , 2016, 120, 195307.	2.5	29
10	Resveratrol induces chain interdigitation in DPPC cell membrane model systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 615-621.	5.0	21
11	Probing Molecular Recognition at the Solid-Gas Interface by Sum-Frequency Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3022-3026.	4.6	5
12	Resistance to the transport of H <sub>2</sub> through the external surface of as-made and modified silicalite-1 (MFI). <i>Microporous and Mesoporous Materials</i> , 2016, 220, 290-297.	4.4	15
13	Dielectric relaxation in non-polar nematic liquid crystal devices. <i>European Physical Journal Plus</i> , 2015, 130, 1.	2.6	6
14	Anomalous Scaling, Intermittency and Turbulence in Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 614, 67-85.	0.9	0
15	The role of surface energy in guanosine nucleotide alignment: An intriguing scenario. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 119, 99-105.	5.0	3
16	Thermally induced evolution of sol-gel grown WO <sub>3</sub> films on ITO/glass substrates. <i>Applied Surface Science</i> , 2014, 297, 195-204.	6.1	21
17	Optical and electrical characterization of a gold nanoparticle dispersion in a chiral liquid crystal matrix. <i>Journal of Materials Science</i> , 2014, 49, 1805-1811.	3.7	19
18	Probing Cavitand-Organosilane Hybrid Bilayers via Sum-Frequency Vibrational Spectroscopy. <i>Langmuir</i> , 2014, 30, 12843-12849.	3.5	3

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19	Unconventionally shaped chromonic liquid crystals formed by novel silver( $\text{Ag}^+$ ) complexes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8780-8788.	5.5	13
20	Methane storage in zeolite-like carbon materials. <i>Microporous and Mesoporous Materials</i> , 2014, 188, 16-22.	4.4	55
21	Amine-functionalized SBA-15 in poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) yields permeable and selective nanostructured membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11853.	10.3	45
22	All-optical control of localized plasmonic resonance realized by photoalignment of liquid crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7483.	5.5	31
23	Alignment of Chromonic Liquid Crystals: A Difficult Task. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 576, 2-7.	0.9	8
24	Effects of Gold Nanoparticle Dispersion in a Chiral Liquid Crystal Matrix. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 572, 59-65.	0.9	10
25	Higher methane storage at low pressure and room temperature in new easily scalable large-scale production activated carbon for static and vehicular applications. <i>Fuel</i> , 2013, 104, 813-821.	6.4	86
26	Paper like cholesteric interferential mirror. <i>Optics Express</i> , 2013, 21, 20821.	3.4	15
27	Anomalous Diffusion Effects on the Electrical Impedance Response of Liquid-Crystalline Systems. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 576, 23-31.	0.9	5
28	Non-Debye relaxation in the dielectric response of nematic liquid crystals: Surface and memory effects in the adsorption-desorption process of ionic impurities. <i>Physical Review E</i> , 2012, 86, 051705.	2.1	27
29	Dynamical homeotropic and planar alignments of chromonic liquid crystals. <i>Soft Matter</i> , 2012, 8, 8478.	2.7	30
30	Fractional Diffusion Equation and the Electrical Impedance: Experimental Evidence in Liquid-Crystalline Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8773-8777.	3.1	57
31	AFM Studies on Curcumin Based Zn(II) Complex Molecules for Applications as Anticancer Agents. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 558, 194-203.	0.9	1
32	Dielectric Characterisation of an Orthoconic Antiferroelectric Liquid Crystal Mixture. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 558, 120-126.	0.9	7
33	Nanostructured Poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) Membranes for the Separation of Nitrogen from Natural Gas. <i>Advanced Functional Materials</i> , 2012, 22, 1759-1767.	14.9	56
34	Ordering phenomena in nanostructured poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) membranes for selective ethanol transport. <i>Journal of Membrane Science</i> , 2011, 385-386, 162-170.	8.2	23
35	Temperature Dependence of Order Reconstruction in a Splay Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 549, 37-42.	0.9	1
36	Structural Transformations of PZT 53/47 Sol-Gel Films on Different Substrates Driven by Thermal Treatments. <i>Ferroelectrics</i> , 2010, 396, 49-59.	0.6	3

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37	Surface order reconstruction in nematics. <i>Applied Physics Letters</i> , 2010, 97, 104104.	3.3	11
38	Lasing Stability Enhancement in Dye Doped Cholesteric Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 516, 190-196.	0.9	4
39	Ellipsometry investigation of the effects of annealing temperature on the optical properties of indium tin oxide thin films studied by Drude-Lorentz model. <i>Applied Surface Science</i> , 2009, 255, 7203-7211.	6.1	70
40	Fractal aggregates evolution of methyl red in liquid crystal. <i>European Physical Journal E</i> , 2009, 29, 139-147.	1.6	8
41	Surface treatment and bulk density of ions in nematic liquid crystals. <i>Journal of Applied Physics</i> , 2009, 106, 044508.	2.5	9
42	Langmuir-Blodgett Film of Hydrophobin Protein from <i>Pleurotus ostreatus</i> at the Air-Water Interface. <i>Langmuir</i> , 2008, 24, 12953-12957.	3.5	26
43	Metallomesogens as Biaxial Dopants in a Calamitic Nematic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 481, 73-79.	0.9	9
44	Electrically controlled defects at a liquid crystal-polyimide interface. <i>Liquid Crystals</i> , 2008, 35, 99-102.	2.2	1
45	Inhomogeneous bulk nematic order reconstruction. <i>Physical Review E</i> , 2008, 77, 020702.	2.1	18
46	Control of transient biaxial order in calamitic nematics. <i>Applied Physics Letters</i> , 2007, 91, 244104.	3.3	12
47	ac and dc electro-optical response of planar aligned liquid crystal cells. <i>Applied Physics Letters</i> , 2007, 91, 232902.	3.3	13
48	Lasing in an intermediate twisted phase between cholesteric and smectic A phase. <i>Applied Physics Letters</i> , 2006, 88, 101105.	3.3	18
49	UV sensors based on liquid crystals mixtures. , 2006, , .		6
50	Nematic Liquid Crystal Optical Dispersion in the Visible-Near Infrared Range. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 454, 263/[665]-271/[673].	0.9	38
51	Time Resolved Experimental Analysis of the Electric Field Induced Biaxial Order Reconstruction in Nematics. <i>Physical Review Letters</i> , 2004, 93, 137801.	7.8	46
52	Electric field induced order reconstruction in a nematic cell. <i>European Physical Journal E</i> , 2004, 13, 61-71.	1.6	71
53	Small-angle X-ray scattering and neutron reflectivity studies of Langmuir-Blodgett films of copper tetra-tert-butyl-azaporphyrines. <i>Journal of Applied Crystallography</i> , 2003, 36, 758-762.	4.5	16
54	Complex Structures of Surface Relief Induced by Holographic Recording in Azo-Dye-Doped Elastomer Thin Films. <i>Macromolecules</i> , 2003, 36, 5689-5693.	4.8	24

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55	UNPOLAR AND POLAR HOLOGRAPHIC GRATING RECORDING BY CIRCULARLY POLARIZED LIGHT ON PHOTOANISOTROPIC AZOBENZENE LANGMUIR-BLODGETT FILMS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2003, 12, 495-511.	1.8	1
56	Permanent polarization gratings in elastomer azo-dye systems: comparison of layered and mixed samples. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2531.	2.1	26
57	Surface Nematic Order Induced by Silane Derivatives Studied by Second Harmonic Generation. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 372, 291-303.	0.9	3
58	PROBING ALIGNMENT OF LIQUID CRYSTALS ON SILANE DERIVATIVES BY SECOND HARMONIC GENERATION. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2001, 10, 133-142.	1.8	2
59	Self-assembly of dideoxyguanosine (3',3') and (5',5')-monophosphates. <i>Chirality</i> , 1998, 10, 734-741.	2.6	10
60	Helix-Specific Interactions Induce Condensation of Guanosine Four-Stranded Helices in Concentrated Salt Solutions. <i>Biophysical Journal</i> , 1998, 74, 430-435.	0.5	34
61	Structural and electrical characterisation of betaine-type, organic, molecular, thin evaporated films and LB multilayers. <i>Supramolecular Science</i> , 1997, 4, 399-406.	0.7	5
62	The self-assembly and liquid crystal formation of d(GpGpApGpG). <i>Biopolymers</i> , 1997, 42, 561-574.	2.4	11
63	Molecular order in self-assembled multilayers of stearic acid. <i>Thin Solid Films</i> , 1996, 284-285, 216-219.	1.8	4
64	Unusual lyotropic polymorphism of deoxyguanosine-5'-monophosphate: X-ray diffraction analysis of the correlation between self-assembling and phase behavior. <i>Physical Review E</i> , 1994, 50, 395-402.	2.1	23
65	Self-Recognition and Self-Assembly of Folic Acid Salts: Columnar Liquid Crystalline Polymorphism and the Column Growth Process. <i>Journal of the American Chemical Society</i> , 1994, 116, 7064-7071.	13.7	139