

# Masanori Ozaki

## 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.

547 papers	9,437 citations	46 h-index	75 g-index
590 ext. papers	10,112 ext. citations	2.6 avg, IF	5.9 L-index

#	Paper	IF	Citations
547	Temperature tuning of the stop band in transmission spectra of liquid-crystal infiltrated synthetic opal as tunable photonic crystal. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 932-934	3.4	298
546	Cooperative Emission in $\pi$ -Conjugated Polymer Thin Films. <i>Physical Review Letters</i> , <b>1997</b> , 78, 729-732	7.4	252
545	Nanoparticle-Stabilized Cholesteric Blue Phases. <i>Applied Physics Express</i> , <b>2009</b> , 2, 121501	2.4	196
544	Planar optics with patterned chiral liquid crystals. <i>Nature Photonics</i> , <b>2016</b> , 10, 389-392	33.9	181
543	Electrically color-tunable defect mode lasing in one-dimensional photonic-band-gap system containing liquid crystal. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3593-3595	3.4	167
542	Electroabsorption spectroscopy of luminescent and nonluminescent $\pi$ -conjugated polymers. <i>Physical Review B</i> , <b>1997</b> , 56, 15712-15724	3.3	166
541	Mirrorless Lasing in a Dye-Doped Ferroelectric Liquid Crystal. <i>Advanced Materials</i> , <b>2002</b> , 14, 306-309	2.4	164
540	Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their electrochemical properties. <i>Carbon</i> , <b>2007</b> , 45, 1212-1218	10.4	149
539	Electric Field Tuning of the Stop Band in a Liquid-Crystal-Infiltrated Polymer Inverse Opal. <i>Advanced Materials</i> , <b>2002</b> , 14, 514-518	2.4	147
538	Electric field tuning of a stop band in a reflection spectrum of synthetic opal infiltrated with nematic liquid crystal. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 3627-3629	3.4	137
537	Flexible mirrorless laser based on a free-standing film of photopolymerized cholesteric liquid crystal. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3741-3743	3.4	127
536	Observation of inhibited spontaneous emission and stimulated emission of rhodamine 6G in polymer replica of synthetic opal. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3506-3508	3.4	120
535	Mirrorless Lasing in Conducting Polymer poly(2,5-dioctyloxy- p-phenylenevinylene) Films. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, L1371-L1373	1.4	113
534	Discontinuous Shift of Lasing Wavelength with Temperature in Cholesteric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L1523-L1525	1.4	110
533	Polydiacetylene nanofibers created in low-molecular-weight gels by post modification: control of blue and red phases by the odd-even effect in alkyl chains. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4134-5	16.4	109
532	Exciton Dynamics in soluble Poly( p-phenylene-vinylene): Towards an Ultrafast Excitonic Switch. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4285-4288	7.4	106
531	Amplified spontaneous emission and lasing in conducting polymers and fluorescent dyes in opals as photonic crystals. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2590-2592	3.4	106

530	Electro-Tunable Liquid-Crystal Laser. <i>Advanced Materials</i> , <b>2003</b> , 15, 974-977	24	103
529	Solution Processable Organic Solar Cell Based on Bulk Heterojunction Utilizing Phthalocyanine Derivative. <i>Applied Physics Express</i> , <b>2010</b> , 3, 101602	2.4	101
528	High Carrier Mobility up to $1.4 \text{ cm}^2 \text{V}^{-1} \text{s}^{-1}$ in Non-Peripheral Octahexyl Phthalocyanine. <i>Applied Physics Express</i> , <b>2011</b> , 4, 021604	2.4	89
527	Influences of dopant concentration in sol-gel derived AZO layer on the performance of P3HT:PCBM based inverted solar cell. <i>Solar Energy Materials and Solar Cells</i> , <b>2013</b> , 111, 181-188	6.4	82
526	Organogels of 8-quinolinol/metal(II)-chelate derivatives that show electron- and light-emitting properties. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 4155-62	4.8	74
525	New Electro-Optic Effect of Microsecond Response Utilizing Transient Light Scattering in Ferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1984</b> , 23, L385-L387	1.4	70
524	Realization of polymeric optical integrated devices utilizing organic light-emitting diodes and photodetectors fabricated on a polymeric waveguide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2004</b> , 10, 70-78	3.8	69
523	Perylene derivative sensitized multi-walled carbon nanotube thin film. <i>Carbon</i> , <b>2005</b> , 43, 2501-2507	10.4	69
522	Electro-Tunable Defect Mode in One-Dimensional Periodic Structure Containing Nematic Liquid Crystal as a Defect Layer. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, L1482-L1484	1.4	69
521	Nanoparticle-dispersed liquid crystals fabricated by sputter doping. <i>Advanced Materials</i> , <b>2010</b> , 22, 622-624	24	67
520	Two-photon absorption spectra of luminescent conducting polymers. <i>Synthetic Metals</i> , <b>1997</b> , 84, 549-550	6	66
519	Tunable photonic defect modes in a cholesteric liquid crystal induced by optical deformation of helix. <i>Physical Review E</i> , <b>2004</b> , 69, 061715	2.4	66
518	The Optical Properties of Porous Opal Crystals Infiltrated with Organic Molecules. <i>Japanese Journal of Applied Physics</i> , <b>1997</b> , 36, L714-L717	1.4	64
517	Twist-Defect-Mode Lasing in Photopolymerized Cholesteric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L472-L475	1.4	64
516	Electrically tunable lasing based on defect mode in one-dimensional photonic crystal with conducting polymer and liquid crystal defect layer. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1844-1846	3.4	63
515	Tunable lasing from a cholesteric liquid crystal film embedded with a liquid crystal nanopore network. <i>Advanced Materials</i> , <b>2011</b> , 23, 5498-501	24	62
514	Low-threshold and high efficiency lasing upon band-edge excitation in a cholesteric liquid crystal. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 091114	3.4	60
513	Three-dimensional positioning and control of colloidal objects utilizing engineered liquid crystalline defect networks. <i>Nature Communications</i> , <b>2015</b> , 6, 7180	17.4	59

512	Tunable Optical Stop Band and Reflection Peak in Synthetic Opal Infiltrated with Liquid Crystal and Conducting Polymer as Photonic Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, L961-L963	1.4	59
511	Ferroelectric Liquid Crystal with Extremely Large Spontaneous Polarization. <i>Japanese Journal of Applied Physics</i> , <b>1984</b> , 23, L175-L177	1.4	59
510	Electrically tunable waveguide laser based on ferroelectric liquid crystal. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 4026-4028	3.4	57
509	Synthesis of new ferroelectric liquid crystals and their novel ferroelectricity. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1986</b> , 978		57
508	Novel Ferroelectricity in Fluorinated Ferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1987</b> , 26, L77-L78	1.4	56
507	Dependence of spontaneous polarization on orientation and position of several bond moments near chiral parts in ferroelectric liquid crystals. <i>Ferroelectrics</i> , <b>1988</b> , 77, 137-144	0.6	56
506	MoO <sub>3</sub> buffer layer effect on photovoltaic properties of interpenetrating heterojunction type organic solar cells. <i>Thin Solid Films</i> , <b>2009</b> , 518, 522-525	2.2	53
505	Polychromatic Optical Vortex Generation from Patterned Cholesteric Liquid Crystals. <i>Physical Review Letters</i> , <b>2016</b> , 116, 253903	7.4	52
504	Characteristics of Optical Switching and Memory Effects Utilizing Deformation of Helicoidal Structure of Ferroelectric Liquid Crystals with Large Spontaneous Polarization. <i>Japanese Journal of Applied Physics</i> , <b>1987</b> , 26, 513-516	1.4	49
503	Mechanical Tuning of the Optical Properties of Plastic Opal as a Photonic Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1999</b> , 38, L786-L788	1.4	48
502	Time-resolved study of luminescence in highly luminescent disubstituted polyacetylene and its blend with poorly luminescent monosubstituted polyacetylene. <i>Physical Review B</i> , <b>2000</b> , 61, 10167-10173	3.3	47
501	Effects of processing additives on nanoscale phase separation, crystallization and photovoltaic performance of solar cells based on mesogenic phthalocyanine. <i>Organic Electronics</i> , <b>2013</b> , 14, 2628-2634	3.5	45
500	Photoinduced dichroism and optical anisotropy in a liquid-crystalline azobenzene side chain polymer caused by anisotropic angular distribution of trans and cis isomers. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 3860-3866	2.5	45
499	Dielectric properties of new stable ferroelectric liquid crystals with large spontaneous polarization. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 3648-3654	3.9	45
498	Optical properties of disubstituted polyacetylene thin films. <i>Synthetic Metals</i> , <b>2001</b> , 116, 95-99	3.6	43
497	Double-twist cylinders in liquid crystalline cholesteric blue phases observed by transmission electron microscopy. <i>Scientific Reports</i> , <b>2015</b> , 5, 16180	4.9	42
496	Organic solar cells using few-walled carbon nanotubes electrode controlled by the balance between sheet resistance and the transparency. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 123302	3.4	42
495	Efficient organic photovoltaic tandem cells with novel transparent conductive oxide interlayer and poly (3-hexylthiophene): Fullerene active layers. <i>Solar Energy Materials and Solar Cells</i> , <b>2010</b> , 94, 376-380	6.4	42

494	New Ferroelectric Liquid Crystals with Spontaneous Polarization Exceeding $10^7$ C/cm <sup>2</sup> and Their Electrical and Optical Properties. <i>Molecular Crystals and Liquid Crystals</i> , <b>1987</b> , 144, 87-103		42
493	Single-Mode Lasing in One-Dimensional Periodic Structure Containing Helical Structure as a Defect. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, L629-L632	1.4	41
492	Enhancement of third-order optical nonlinearities by conjugated polymer-bonded carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 034301	2.5	40
491	Dielectric properties in antiferroelectric liquid crystals and their DC bias effects. <i>Ferroelectrics</i> , <b>1993</b> , 147, 53-66	0.6	40
490	Non-peripheral octahexylphthalocyanine doping effects in bulk heterojunction polymer solar cells. <i>Organic Electronics</i> , <b>2012</b> , 13, 335-340	3.5	39
489	Dispersion of Resonant Raman Scattering in $\pi$ -Conjugated Polymers: Role of the Even Parity Excitons. <i>Physical Review Letters</i> , <b>1997</b> , 79, 1762-1765	7.4	39
488	Deformation-Free, Microsecond Electro-Optic Tuning of Liquid Crystals. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 256-263	8.1	37
487	Synthesis and ferroelectric properties of new series of ferroelectric liquid crystals. <i>Ferroelectrics</i> , <b>1984</b> , 58, 21-32	0.6	37
486	Transient Properties of Organic Electroluminescent Diode Using 8-Hydroxyquinoline Aluminum Doped with Rubrene as an Electro-Optical Conversion Device for Polymeric Integrated Devices. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 2746-2748	1.4	36
485	Efficiency enhancement in perovskite solar cell utilizing solution-processable phthalocyanine hole transport layer with thermal annealing. <i>Organic Electronics</i> , <b>2017</b> , 43, 156-161	3.5	35
484	High Q defect mode and laser action in one-dimensional hybrid photonic crystal containing cholesteric liquid crystal. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 101109	3.4	35
483	Surface and flexoelectric polarization in a nematic liquid crystal 5CB. <i>European Physical Journal E</i> , <b>2001</b> , 4, 183-192	1.5	35
482	Exciton dynamics in disubstituted polyacetylenes. <i>Synthetic Metals</i> , <b>2001</b> , 119, 597-598	3.6	35
481	Smectic Layer Rotation in Antiferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1994</b> , 33, L1620-L1623	1.4	35
480	Anomalous Dielectric Behaviour in Biphenyl Ester Series of Ferroelectric Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , <b>1986</b> , 25, L833-L835	1.4	35
479	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. <i>Carbon</i> , <b>2007</b> , 45, 2445-2448	10.4	34
478	Optical and electrical characterizations of nanocomposite film of titania adsorbed onto oxidized multiwalled carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 4361-4368	1.8	34
477	Defect Mode Switching in One-Dimensional Photonic Crystal with Nematic Liquid Crystal as Defect Layer. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L669-L671	1.4	33

476	Smectic Layer Rotation in Ferroelectric Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , <b>1995</b> , 34, L1599-L1602	1.4	33
475	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 263301	3.4	32
474	Improved electrical and optical properties of Poly(3,4-ethylenedioxythiophene) via ordered microstructure. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 186220	1.8	32
473	Transient light scattering by domain switching in ferroelectric liquid crystal and its application as fast opto-electronics device. <i>Ferroelectrics</i> , <b>1984</b> , 59, 145-160	0.6	32
472	Magnitude and direction of the spontaneous polarization of ferroelectric liquid crystals with several bond moments. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1203-1211	2.3	31
471	Tunable Liquid Crystal Laser Using Distributed Feedback Cavity Fabricated by Nanoimprint Lithography. <i>Applied Physics Express</i> , <b>2008</b> , 1, 012003	2.4	30
470	Surface and flexoelectric polarization in a nematic liquid crystal directly measured by a pyroelectric technique. <i>Physical Review E</i> , <b>2000</b> , 62, 8091-9	2.4	30
469	Ferroelectric liquid crystals with large spontaneous polarization and high speed display devices. <i>Ferroelectrics</i> , <b>1989</b> , 91, 267-276	0.6	30
468	Cholesteric liquid crystal laser in a dielectric mirror cavity upon band-edge excitation. <i>Optics Express</i> , <b>2007</b> , 15, 616-22	3.3	29
467	Fabrication of Flexible Distributed Feedback Laser Using Photoinduced Surface Relief Grating on Azo-Polymer Film as a Template. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, L1386-L1388	1.4	29
466	Optical properties of substituted phthalocyanine rare-earth metal complexes. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 7137-7143	2.5	29
465	Low Threshold Field of Electro-Optic Effect in Ferroelectric Liquid Crystal with Extremely Large Spontaneous Polarization. <i>Japanese Journal of Applied Physics</i> , <b>1986</b> , 25, L416-L418	1.4	29
464	Bulk heterojunction organic solar cells utilizing 1,4,8,11,15,18,22,25-octahexylphthalocyanine. <i>Solar Energy Materials and Solar Cells</i> , <b>2011</b> , 95, 3087-3087	6.4	28
463	Photonic crystals based on chiral liquid crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 3777-3789	1.6	28
462	Static and dynamic properties of optical second harmonic generation in ferroelectric liquid crystal. <i>Ferroelectrics</i> , <b>1991</b> , 121, 259-274	0.6	28
461	Position sensitive, continuous wavelength tunable laser based on photopolymerizable cholesteric liquid crystals with an in-plane helix alignment. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 093306	3.4	27
460	Bottom-Up Fabrication of Photonic Defect Structures in Cholesteric Liquid Crystals Based on Laser-Assisted Modification of the Helix. <i>Advanced Materials</i> , <b>2007</b> , 19, 1187-1190	24	27
459	Defect Mode in One-Dimensional Photonic Crystal with In-Plane Switchable Nematic Liquid Crystal Defect Layer. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, L1477-L1479	1.4	27

458	Novel properties of conducting polymers containing azobenzene moieties in side chain. <i>Synthetic Metals</i> , <b>2001</b> , 119, 599-600	3.6	27
457	Study on degradation mechanism of perovskite solar cell and their recovering effects by introducing CH <sub>3</sub> NH <sub>3</sub> I layers. <i>Organic Electronics</i> , <b>2017</b> , 43, 229-234	3.5	26
456	Physicochemical properties of tri-n-butylalkylphosphonium cation-based room-temperature ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 15051-9	3.4	26
455	Smectic Layer Rotation in the Smectic A Phase of Ferroelectric and Antiferroelectric Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, 6200-6201	1.4	26
454	Local liquid crystal alignment on patterned micrograting structures photofabricated by two photon excitation direct laser writing. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 173509	3.4	26
453	Picosecond photophysics of luminescent conducting polymers from excitons to polaron pairs. <i>Synthetic Metals</i> , <b>1997</b> , 84, 493-496	3.6	25
452	Fabrication of oriented ZnO nanopillar self-assemblies and their application for photovoltaic devices. <i>Nanotechnology</i> , <b>2008</b> , 19, 435706	3.4	25
451	Defect Mode in Cholesteric Liquid Crystal Consisting of Two Helicoidal Periodicities. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 493-496	1.4	25
450	Tunable single photonic defect-mode in cholesteric liquid crystals with laser-induced local modifications of helix. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 231913	3.4	25
449	Organic Electronic Devices Based on Polymeric Material and Tunable Photonic Crystal. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 5655-5673	1.4	25
448	Fast Optical Switching in Polymer Waveguide Using Ferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, L843-L845	1.4	25
447	Circularly-polarized, large-angle reflective deflectors based on periodically patterned cholesteric liquid crystals. <i>Optical Data Processing and Storage</i> , <b>2017</b> , 3,		24
446	Picosecond to millisecond photoexcitation dynamics in blends of C <sub>60</sub> with poly(p-phenylene vinylene) polymers. <i>Chemical Physics Letters</i> , <b>1998</b> , 286, 21-27	2.5	24
445	Analysis of defect mode switching response in one-dimensional photonic crystal with a nematic liquid crystal defect layer. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 033503	2.5	24
444	Reversible smectic layer rotation by electric field in antiferroelectric liquid crystals. <i>Ferroelectrics</i> , <b>1996</b> , 178, 277-285	0.6	24
443	Unidirectional Layer Alignment in Ferroelectric Liquid Crystal with N*-C*Phase Sequence. <i>Japanese Journal of Applied Physics</i> , <b>1994</b> , 33, 5491-5493	1.4	24
442	Effect of the Molecular Structure of the Chiral Part on Spontaneous Polarization and Dielectric Properties of Ferroelectric Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , <b>1987</b> , 26, L1558-L1560	1.4	24
441	Tilt orientationally disordered hexagonal columnar phase of phthalocyanine discotic liquid crystals. <i>Physical Review E</i> , <b>2014</b> , 89, 062505	2.4	23



440	Effects of Polymer Network Surfaces on Expansion of Cholesteric Blue Phases Temperature. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2008</b> , 6, 17-20	0.7	23
439	Optical tuning and switching of photonic defect modes in cholesteric liquid crystals. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 071107	3.4	23
438	Improved Lasing Threshold of Cholesteric Liquid Crystal Lasers with In-Plane Helix Alignment. <i>Applied Physics Express</i> , <b>2010</b> , 3, 102702	2.4	22
437	Electro-tunable laser action in a dye-doped nematic liquid crystal waveguide under holographic excitation. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 422-424	3.4	22
436	Optical and dielectric properties of antiferroelectric liquid crystals and their surface effects. <i>Liquid Crystals</i> , <b>1993</b> , 14, 1283-1293	2.3	22
435	Soft Mode Contribution around Sm A-Sm C*Phase Transition Temperature under DC Bias Field in Ferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1988</b> , 27, L1996-L1998	1.4	22
434	Polarization-independent refractive index tuning using gold nanoparticle-stabilized blue phase liquid crystals. <i>Optics Letters</i> , <b>2011</b> , 36, 3578-80	3	21
433	Pentacene:Fullerene Multilayer-Heterojunction Organic Photovoltaic Cells Fabricated by Alternating Evaporation Method. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 032301	1.4	21
432	Mechanical vibration of freely suspended ferroelectric liquid-crystal film excited by sound and electric field. <i>Journal of Applied Physics</i> , <b>1997</b> , 82, 2791-2794	2.5	21
431	Spectral narrowing of photoluminescence and improvement of electroluminescent properties in conducting polymers with Si atoms in main chains. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 6061-6065	2.5	21
430	Dynamic Response of Second Harmonic Generation in Ferroelectric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1989</b> , 28, L1830-L1832	1.4	21
429	Thickness and temperature dependences of dielectric property and electro-optic effect in ferroelectric liquid crystal. <i>Ferroelectrics</i> , <b>1984</b> , 58, 283-304	0.6	21
428	Octahexyltetrabenzotriazaporphyrin: A Discotic Liquid Crystalline Donor for High-performance Small-molecule Solar Cells. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1761-1763	1.7	20
427	Effect of Trans-Cis Isomerization of a Chiral Azo-Dye on Dye-Induced Ferroelectricity in an Achiral Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, 5405-5410	1.4	20
426	Characteristic of Dielectric Behaviour of Ferroelectric Liquid Crystal at Smectic-A and Chiral Smectic-C Phase Transition. <i>Journal of the Physical Society of Japan</i> , <b>1987</b> , 56, 4150-4156	1.5	20
425	Triphenylamine-Thienothiophene Organic Charge-Transport Molecular Materials: Effect of Substitution Pattern on their Thermal, Photoelectrochemical, and Photovoltaic Properties. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1302-1311	4.5	19
424	Electric Field Dependence of Lasing Wavelength in Cholesteric Liquid Crystal with an In-Plane Helix Alignment. <i>Molecular Crystals and Liquid Crystals</i> , <b>2010</b> , 516, 182-189	0.5	19
423	Fabrication of organic photovoltaic cells with double-layer ZnO structure. <i>Solar Energy Materials and Solar Cells</i> , <b>2009</b> , 93, 1562-1567	6.4	19



422	Carrier mobility of a columnar mesophase formed by a perfluoroalkylated triphenylene. <i>Synthetic Metals</i> , <b>2009</b> , 159, 875-879	3.6	19
421	Static and Dynamic Characteristics of Field Induced Antiferroelectric-Ferroelectric Phase Transition. <i>Molecular Crystals and Liquid Crystals</i> , <b>1995</b> , 263, 13-26		19
420	The characteristic dielectric behaviour in ferroelectric liquid crystals at a phase transition and the contribution of the soft mode. <i>Liquid Crystals</i> , <b>1989</b> , 5, 1219-1226	2.3	19
419	Single crystal growth and X-ray structure analysis of non-peripheral octahexyl phthalocyanine. <i>Journal of Crystal Growth</i> , <b>2016</b> , 445, 9-14	1.6	19
418	Highly Fluorescent Liquid Crystals from Excited-State Intramolecular Proton Transfer Molecules. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801349	8.1	19
417	Alkyl Substituent Length Dependence of Octaalkylphthalocyanine Bulk Heterojunction Solar Cells. <i>Applied Physics Express</i> , <b>2013</b> , 6, 122301	2.4	18
416	Photovoltaic Properties in Interpenetrating Heterojunction Organic Solar Cells Utilizing MoO <sub>3</sub> and ZnO Charge Transport Buffer Layers. <i>Materials</i> , <b>2010</b> , 3, 4915-4921	3.5	18
415	Dual ring laser emission of conducting polymers in microcapillary structures. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 141903	3.4	18
414	Spectral Narrowing of Photoluminescence in Conducting Polymer and Fluorescent Dyes Infiltrated in Photonic Crystal, Synthetic Opal. <i>Japanese Journal of Applied Physics</i> , <b>1998</b> , 37, L1187-L1189	1.4	18
413	Molecular reorientation and deformation of a freely suspended ferroelectric liquid crystal film. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 117-119	3.4	18
412	Unique Electrical and Optical Properties of Conducting Polymeric Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, L1673-L1676	1.4	18
411	New series of ferroelectric liquid crystals with large spontaneous polarization and dielectric constant. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 585-590	3.9	18
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122	Phase Destruction upon Photopolymerization of Cholesteric Liquid Crystal Blue Phases with Mono- and Diacrylate Constituents. <i>Chemistry Letters</i> , <b>2008</b> , 37, 1242-1243	1.7	2
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