Masanori Ozaki

List of Publications by Year in Descending Order

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	Generation of a focused optical vortex beam using a liquid crystal spiral zone plate.. *Optics Express*, **2022**, 30, 8667-8675	3.3	0
546	Orientation Control of 2D Perovskite in 2D/3D Heterostructure by Templated Growth on 3D Perovskite **2022**, 4, 378-384		2
545	Tunable polarization volume gratings based on blue phase liquid crystals.. *Optics Express*, **2022**, 30, 1607-1614	3.3	2
544	Fabrication, characterization and simulation analysis of perovskite solar cells with dopant-free solution-processible C6PcH2 hole transporting material. *Optical and Quantum Electronics*, **2022**, 54, 1	2.4	
543	Dynamics of Preaggregation and Film Formation of Donor–Acceptor Conjugated Polymers **2022**, 4, 205-211		1
542	Directed self-assembly of soft 3D photonic crystals for holograms with omnidirectional circular-polarization selectivity. *Communications Materials*, **2021**, 2,	6	9
541	Effects of thermal expansion and degeneracy on ambipolar carrier mobility of non-peripherally hexyl-substituted phthalocyanine. *Applied Physics Express*, **2021**, 14, 041001	2.4	
540	In Situ Optical Characterization of Twinning in Liquid Crystalline Blue Phases. *ACS Applied Materials & Interfaces*, **2021**, 13, 36130-36137	9.5	4
539	Direction-Selectable Ultra-Highly Oriented State of Donor–Acceptor Conjugated Polymer Induced by Slow Bar Coating Process. *Advanced Electronic Materials*, **2021**, 7, 2100313	6.4	4
538	Molecular orientation and electrical properties in tert-butylated phthalocyanine thin film fabricated by uniaxial solution coating. *Electronics and Communications in Japan*, **2021**, 104, 113-119	0.4	1
537	The liquid crystal Click procedure for oligothiophene-tethered phthalocyanines – self-assembly, alignment and photocurrent. *Journal of Materials Chemistry C*, **2021**, 9, 5689-5698	7.1	3
536	Alkyl chain length dependence of carrier transport in solution-processed phthalocyanine thin films evaluated via MIS-CELIV method. *Japanese Journal of Applied Physics*, **2021**, 60, 031004	1.4	2
535	Blue Phase Liquid Crystals with Tailored Crystal Orientation for Photonic Applications. *Symmetry*, **2021**, 13, 1584	2.7	1
534	Mesoporous TiO2 electron transport layer engineering for efficient inorganic-organic hybrid perovskite solar cells using hydrochloric acid treatment. *Thin Solid Films*, **2021**, 732, 138768	2.2	3
533	Extended conjugation of ESIPT-type dopants in nematic liquid crystalline phase for enhancing fluorescence efficiency and anisotropy. *Physical Chemistry Chemical Physics*, **2020**, 22, 28393-28400	3.6	3
532	Bragg-Berry flat reflectors for transparent computer-generated holograms and waveguide holography with visible color playback capability. *Scientific Reports*, **2020**, 10, 8201	4.9	6
531	Electrically Switchable Amplified Spontaneous Emission from Liquid Crystalline Phase of an AIEE-Active ESIPT Molecule. *Advanced Optical Materials*, **2020**, 8, 1902158	8.1	11

530	Orientation control of ideal blue phase photonic crystals. *Scientific Reports*, **2020**, 10, 10148	4.9	6
529	Highly (100)-oriented CH3NH3PbI3 thin film fabricated by bar-coating method and its additive effect of ammonium chloride. *Solar Energy Materials and Solar Cells*, **2020**, 208, 110409	6.4	7
528	A study on solution-processable tetrabenzomonoazaporphyrin hole transport material for pervoskite solar cells. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2020**, 11, 015007	1.6	0
527	Molecular Orientation and Electrical Properties in tert-Butylated Phthalocyanine Thin Film Fabricated by Uniaxial Solution Coating. *IEEJ Transactions on Electronics, Information and Systems*, **2020**, 140, 1182-1188	0.1	
526	Effects of alkyl-substituent length on photovoltaic performance of bulk heterojunction solar cells utilizing non-peripherally octaalkyltetrabenzotriazaporphyrins. *Japanese Journal of Applied Physics*, **2020**, 59, 101003	1.4	5
525	Coating speed dependence of main chain orientation and aggregation of PBTTT-C16 in the bar-coated thin film. *Japanese Journal of Applied Physics*, **2020**, 59, SDDA04	1.4	6
524	Solution processed uniaxially oriented thin film of tert-butyl-substituted phthalocyanine. *Japanese Journal of Applied Physics*, **2020**, 59, SDDA05	1.4	3
523	Stereoregularity effect on hole mobility in poly(N-vinylcarbazole) thin film evaluated by MIS-CELIV method. *Japanese Journal of Applied Physics*, **2020**, 59, SDDA01	1.4	7
522	Carrier transport study on triphenylamine-thienothiophene-based hole transport material by MIS-CELIV method. *Japanese Journal of Applied Physics*, **2020**, 59, SGGG01	1.4	2
521	Study on energy level bending at heterojunction of solution-processed phthalocyanine thin film and n-Si by Kelvin probe force microscopy. *Organic Electronics*, **2020**, 78, 105599	3.5	1
520	Switchable Amplified Spontaneous Emission: Electrically Switchable Amplified Spontaneous Emission from Liquid Crystalline Phase of an AIEE-Active ESIPT Molecule (Advanced Optical Materials 14/2020). *Advanced Optical Materials*, **2020**, 8, 2070056	8.1	
519	Revealing the charge carrier kinetics in perovskite solar cells affected by mesoscopic structures and defect states from simple transient photovoltage measurements. *Scientific Reports*, **2020**, 10, 19197	4.9	13
518	Emission Direction-Tunable Liquid Crystal Laser. *Advanced Optical Materials*, **2020**, 8, 2000375	8.1	12
517	Topologically Protected Generation of Stable Wall Loops in Nematic Liquid Crystals. *Physical Review Letters*, **2019**, 123, 097801	7.4	6
516	Liquid Crystals: Highly Fluorescent Liquid Crystals from Excited-State Intramolecular Proton Transfer Molecules (Advanced Optical Materials 2/2019). *Advanced Optical Materials*, **2019**, 7, 1970008	8.1	1
515	Uniaxial orientation of poly(3-hexylthiophene) thin films fabricated by the bar-coating method. *Japanese Journal of Applied Physics*, **2019**, 58, SBBG04	1.4	10
514	Homo/hetero-epitaxial growth in tetrabenzotriazaporphyrin derivative thin film fabricated by contact freezing method with seed crystal. *Applied Physics Express*, **2019**, 12, 051011	2.4	0
513	Giant light deflection via electro-mechanical modulation of liquid crystals. *Applied Physics Letters*, **2019**, 114, 061901	3.4	2

512	Highly Miscible Hybrid Liquid-Crystal Systems Containing Fluorescent Excited-State Intramolecular Proton Transfer Molecules. *Langmuir*, **2019**, 35, 14031-14041	4	8
511	Highly efficient perovskite solar cell utilizing a solution-processable tetrabenzoporphyrin hole transport material with p-type dopants. *Applied Physics Express*, **2019**, 12, 112009	2.4	2
510	Doubling the geometric phase of reflective PancharatnamBerry diffractive waveplates. *Journal of the Optical Society of America B: Optical Physics*, **2019**, 36, D20	1.7	2
509	Optical properties of selective diffraction from Bragg-Berry cholesteric liquid crystal deflectors. *OSA Continuum*, **2019**, 2, 3554	1.4	14
508	From Point to Filament Defects in Hybrid Nematic Films. *Scientific Reports*, **2019**, 9, 17941	4.9	4
507	Highly Fluorescent Liquid Crystals from Excited-State Intramolecular Proton Transfer Molecules. *Advanced Optical Materials*, **2019**, 7, 1801349	8.1	19
506	Triphenylamine-Thienothiophene Organic Charge-Transport Molecular Materials: Effect of Substitution Pattern on their Thermal, Photoelectrochemical, and Photovoltaic Properties. *Chemistry - an Asian Journal*, **2018**, 13, 1302-1311	4.5	19
505	Fabrication of field-effect transistor utilizing oriented thin film of octahexyl-substituted phthalocyanine and its electrical anisotropy based on columnar structure. *Japanese Journal of Applied Physics*, **2018**, 57, 03EH10	1.4	8
504	Orientation of liquid crystalline blue phases on unidirectionally orienting surfaces. *Journal Physics D: Applied Physics*, **2018**, 51, 104003	3	13
503	Shape control of surface-stabilized disclination loops in nematic liquid crystals. *Physical Review E*, **2018**, 97, 020701	2.4	10
502	Sandwich-cell-type bulk-heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. *Japanese Journal of Applied Physics*, **2018**, 57, 03EJ03	1.4	5
501	Ambipolar carrier transport properties and molecular packing structure of octahexyl-substituted copper phthalocyanine. *Japanese Journal of Applied Physics*, **2018**, 57, 04FL01	1.4	3
500	Polymer blend effect on molecular alignment induced by contact freezing of mesogenic phthalocyanine. *Japanese Journal of Applied Physics*, **2018**, 57, 04FL09	1.4	1
499	Selective crystal growth in bar-coating process of polymorphic pentyl-substituted phthalocyanine thin film. *Organic Electronics*, **2018**, 62, 241-247	3.5	6
498	Evaluation of ambipolar carrier mobility in alkyl-substituted phthalocyanine thin film. *Journal of Photonics for Energy*, **2018**, 8, 1	1.2	5
497	Three-dimensional X-ray Crystal Structure Analysis of Solution-processed Oriented Thin Film utilizing Liquid-crystalline Phthalocyanine **2018**,		1
496	Homeotropic alignment of non-peripheral octahexyl phthalocyanine in thin film and its photovoltaic properties. *Japanese Journal of Applied Physics*, **2018**, 57, 08RE02	1.4	3
495	High-order Laguerre-Gauss polychromatic beams from Bragg-Berry flat optics. *Physical Review A*, **2018**, 98,	2.6	7

494	Carrier transport and device applications of the organic semiconductor based on liquid crystalline non-peripheral octaalkyl phthalocyanine. *Liquid Crystals*, **2018**, 45, 2376-2389	2.3	18
493	Single-crystalline thin-film growth via solution-mediated polymorphic transformation of octahexyl-substituted phthalocyanine and its optical anisotropy. *Organic Electronics*, **2018**, 60, 16-21	3.5	5
492	Efficiency enhancement in perovskite solar cell utilizing solution-processable phthalocyanine hole transport layer with thermal annealing. *Organic Electronics*, **2017**, 43, 156-161	3.5	35
491	Study on degradation mechanism of perovskite solar cell and their recovering effects by introducing CH3NH3I layers. *Organic Electronics*, **2017**, 43, 229-234	3.5	26
490	Miscibility and carrier transport properties in binary blend system of non-peripherally octa-hexyl-substituted phthalocyanine analogues. *Organic Electronics*, **2017**, 44, 67-73	3.5	9
489	Morpho-Butterfly-Inspired Patterning of Helical Photonic Structures for Circular-Polarization-Sensitive, Wide-Angle Diffuse Reflection. *Advanced Optical Materials*, **2017**, 5, 1601071	8.1	15
488	Enhanced dual-frequency operation of a polymerized liquid crystal microplate by liquid crystal infiltration. *Japanese Journal of Applied Physics*, **2017**, 56, 041601	1.4	1
487	Field strength and frequency tunable, two-way rotation of liquid crystal micro-particles dispersed in a liquid crystal host. *Soft Matter*, **2017**, 13, 4433-4440	3.6	3
486	Glass-sandwich-type organic solar cells utilizing liquid crystalline phthalocyanine. *Applied Physics Express*, **2017**, 10, 021602	2.4	7
485	Single crystal preparation and x-ray structure analysis of non-peripherally alkyl-substituted phthalocyanine blends. *Journal of Crystal Growth*, **2017**, 468, 810-815	1.6	5
484	Field-induced dynamics of liquid crystal/liquid crystal micro-particle composites. *Molecular Crystals and Liquid Crystals*, **2017**, 646, 125-131	0.5	0
483	Broadband optical vortex generation from patterned cholesteric liquid crystals. *Molecular Crystals and Liquid Crystals*, **2017**, 646, 116-124	0.5	16
482	Selective crystal growth of polymorphs and crystal-to-crystal thermal phase transition of non-peripherally alkyl-substituted phthalocyanine and tetrabenzotriazaporphyrin. *Journal of Crystal Growth*, **2017**, 468, 804-809	1.6	12
481	Characterization of crystal polymorphs of the organic semiconductor non-peripheral octa-hexyl phthalocyanine. *Japanese Journal of Applied Physics*, **2017**, 56, 081601	1.4	7
480	Diffusion-based liquid crystal substitution for the improvement of electro-optic properties in polymer/cholesteric liquid crystal composites. *Optical Materials Express*, **2017**, 7, 85	2.6	4
479	Circularly-polarized, large-angle reflective deflectors based on periodically patterned cholesteric liquid crystals. *Optical Data Processing and Storage*, **2017**, 3,		24
478	Circularly-polarized, semitransparent and double-sided holograms based on helical photonic structures. *Scientific Reports*, **2017**, 7, 16470	4.9	17
477	Improved synthesis of non-peripherally alkyl-substituted tetrabenzotriazaporphyrins. *Molecular Crystals and Liquid Crystals*, **2017**, 653, 22-26	0.5	7

476	Bulk-Heterojunction Thin-Film Solar Cells Utilizing Miscible Binary Donor Materials of Liquid Crystalline Phthalocyanine and its Analogue. *Journal of Physics: Conference Series*, **2017**, 924, 012003	0.3	1
475	Helical pitch dependence of the electro-optic characteristics in polymer/cholesteric liquid crystal nanocomposites. *Optical Materials Express*, **2016**, 6, 1138	2.6	4
474	Polychromatic Optical Vortex Generation from Patterned Cholesteric Liquid Crystals. *Physical Review Letters*, **2016**, 116, 253903	7.4	52
473	Bragg reflection band width and optical rotatory dispersion of cubic blue-phase liquid crystals. *Physical Review E*, **2016**, 94, 042703	2.4	9
472	Crystal structure analysis in solution-processed uniaxially oriented polycrystalline thin film of non-peripheral octahexyl phthalocyanine by grazing incidence wide-angle x-ray scattering techniques. *Applied Physics Letters*, **2016**, 109, 153302	3.4	13
471	Molecular Packing Structure of Mesogenic Octa-Hexyl Substituted Phthalocyanine Thin Film by X-ray Diffraction Analysis. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 3318-21	1.3	15
470	Deformation-free switching of polymer-stabilized cholesteric liquid crystals by low-temperature polymerization. *Optical Materials Express*, **2016**, 6, 705	2.6	7
469	Reversible switching of liquid crystal micro-particles in a nematic liquid crystal. *Soft Matter*, **2016**, 12, 750-5	3.6	7
468	Uniaxial crystal growth in thin film by utilizing supercooled state of mesogenic phthalocyanine. *Applied Physics Express*, **2016**, 9, 061601	2.4	5
467	Ambipolar Carrier Mobility in Binary Blend Thin Film of Non-Peripheral Alkylphthalocyanines. *Journal of Physics: Conference Series*, **2016**, 704, 012006	0.3	9
466	Fabrication of tandem solar cells with all-solution processed multilayer structure using non-peripherally substituted octahexyl tetrabenzotriazaporphyrins. *Japanese Journal of Applied Physics*, **2016**, 55, 03DB01	1.4	4
465	Improved carrier balance and polarized in-plane light emission at full-channel area in ambipolar heterostructure polymer light-emitting transistors. *Organic Electronics*, **2016**, 32, 213-219	3.5	11
464	Single crystal growth and X-ray structure analysis of non-peripheral octahexyl phthalocyanine. *Journal of Crystal Growth*, **2016**, 445, 9-14	1.6	19
463	Planar optics with patterned chiral liquid crystals. *Nature Photonics*, **2016**, 10, 389-392	33.9	181
462	1,3,5-Tris(phenyl-2-benzimidazole)-benzene cathode buffer layer thickness dependence in solution-processable organic solar cell based on 1,4,8,11,15,18,22,25-octahexylphthalocyanine. *Japanese Journal of Applied Physics*, **2015**, 54, 04DK11	1.4	1
461	Longitudinal and transverse pyroelectric effects in a chiral ferroelectric liquid crystal. *Journal of Experimental and Theoretical Physics*, **2015**, 120, 725-732	1	2
460	Efficiency enhancement in solution processed small-molecule based organic solar cells utilizing various phthalocyanine–tetrabenzoporphyrin hybrid macrocycles. *Organic Electronics*, **2015**, 23, 44-52	3.5	17
459	Liquid crystalline and charge transport properties of novel non-peripherally octasubstituted perfluoroalkylated phthalocyanines. *Journal of Materials Chemistry C*, **2015**, 3, 1757-1765	7.1	17

458	Origin of the High Carrier Mobilities of Nonperipheral Octahexyl Substituted Phthalocyanine. *Journal of Physical Chemistry C*, **2015**, 119, 23852-23858	3.8	14
457	High-speed driving of liquid crystal lens with weakly conductive thin films and voltage booster. *Applied Optics*, **2015**, 54, 8145-51	0.2	7
456	Double-twist cylinders in liquid crystalline cholesteric blue phases observed by transmission electron microscopy. *Scientific Reports*, **2015**, 5, 16180	4.9	42
455	Single crystal growth in spin-coated films of polymorphic phthalocyanine derivative under solvent vapor. *APL Materials*, **2015**, 3, 126107	5.7	6
454	Polymer blend effects on fundamental properties of mesogenic phthalocyanine films fabricated by heated spin-coating method. *Japanese Journal of Applied Physics*, **2015**, 54, 04DK08	1.4	1
453	Effects of thermal-annealing and processing-additive treatment on crystallization-induced phase separation in organic solar cells utilizing octapentyl tetrabenzotriazaporphyrins. *Journal Physics D: Applied Physics*, **2015**, 48, 385103	3	1
452	Pitch-Length Independent Threshold Voltage of Polymer/Cholesteric Liquid Crystal Nano-Composites. *Crystals*, **2015**, 5, 302-311	2.3	6
451	Electrically Rotatable Polarizer Using One-Dimensional Photonic Crystal with a Nematic Liquid Crystal Defect Layer. *Crystals*, **2015**, 5, 394-404	2.3	3
450	Anisotropy of the electro-optic Kerr effect in polymer-stabilized blue phases. *Physical Review E*, **2015**, 91, 022503	2.4	12
449	Three-dimensional positioning and control of colloidal objects utilizing engineered liquid crystalline defect networks. *Nature Communications*, **2015**, 6, 7180	17.4	59
448	Macroscopically aligned molecular stacking structures in mesogenic phthalocyanine derivative films fabricated by heated spin-coating method. *Thin Solid Films*, **2015**, 594, 1-4	2.2	8
447	Polarization-independent submillisecond phase modulation utilizing polymer/short-pitch cholesteric liquid crystal composite. *Optics Letters*, **2015**, 40, 5363-6	3	7
446	Active layer analysis of interpenetrating heterojunction organic thin-film solar cells by X-ray photoelectron spectroscopy. *Thin Solid Films*, **2014**, 554, 222-225	2.2	4
445	Monodomain planar alignment of 1,4,8,11,15,18,22,25-octahexylphthalocyanine by melt growth method. *Thin Solid Films*, **2014**, 554, 99-101	2.2	
444	Octahexyltetrabenzotriazaporphyrin: A Discotic Liquid Crystalline Donor for High-performance Small-molecule Solar Cells. *Chemistry Letters*, **2014**, 43, 1761-1763	1.7	20
443	Thermal annealing effects on non-peripheral octahexylphthalocyanine doped polymer bulk heterojunction solar cells. *Japanese Journal of Applied Physics*, **2014**, 53, 05FZ06	1.4	
442	Numerical analysis of birefringence enhancement in nanorod-doped liquid crystals. *Japanese Journal of Applied Physics*, **2014**, 53, 052602	1.4	
441	Dielectric Properties of Dual-Frequency Reactive Mesogens before and after Photopolymerization. *Materials*, **2014**, 7, 1113-1121	3.5	9

440	Tunable enhanced 0th-order transmission in a metal-dielectric hole array covered with a subwavelength liquid crystal layer. *Optics Letters*, **2014**, 39, 1262-5	3	1
439	Photonic band structure and transmission analysis of cholesteric blue phase II: electrostriction in the [100] direction. *Optics Express*, **2014**, 22, 3766-72	3.3	6
438	Nematic liquid crystal nanocomposite with scattering-free, microsecond electro-optic response. *Optical Materials Express*, **2014**, 4, 916	2.6	16
437	Secondary electro-optic effect in liquid crystalline cholesteric blue phases. *Optical Materials Express*, **2014**, 4, 960	2.6	12
436	Effect of anisotropic lattice deformation on the Kerr coefficient of polymer-stabilized blue-phase liquid crystals. *Physical Review E*, **2014**, 89, 012506	2.4	9
435	Tilt orientationally disordered hexagonal columnar phase of phthalocyanine discotic liquid crystals. *Physical Review E*, **2014**, 89, 062505	2.4	23
434	Optical tuning of extraordinary optical transmission through a metallic hole array using azobenzene dye-doped nematic liquid crystal. *Japanese Journal of Applied Physics*, **2014**, 53, 01AE02	1.4	
433	Blend ratio dependence of photovoltaic properties in octahexylphthalocyanine-based small molecule solar cell. *Japanese Journal of Applied Physics*, **2014**, 53, 05FZ05	1.4	4
432	Annealing effect in bulk heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. *Japanese Journal of Applied Physics*, **2014**, 53, 05FZ02	1.4	6
431	Miscibility in binary blends of non-peripheral alkylphthalocyanines and their application for bulk-heterojunction solar cells. *Organic Electronics*, **2014**, 15, 1189-1196	3.5	17
430	Function of Liquid Crystals **2014**, 357-410		
429	Effects of processing additives on nanoscale phase separation, crystallization and photovoltaic performance of solar cells based on mesogenic phthalocyanine. *Organic Electronics*, **2013**, 14, 2628-2634	3.5	45
428	Electro-Optics of Cubic and Tetragonal Blue Phase Liquid Crystals Investigated by Two-Beam Interference Microscopy. *Applied Physics Express*, **2013**, 6, 062603	2.4	7
427	Liquid Crystals: Deformation-Free, Microsecond Electro-Optic Tuning of Liquid Crystals (Advanced Optical Materials 3/2013). *Advanced Optical Materials*, **2013**, 1, 196-196	8.1	1
426	Deformation-Free, Microsecond Electro-Optic Tuning of Liquid Crystals. *Advanced Optical Materials*, **2013**, 1, 256-263	8.1	37
425	Influences of dopant concentration in sol–gel derived AZO layer on the performance of P3HT:PCBM based inverted solar cell. *Solar Energy Materials and Solar Cells*, **2013**, 111, 181-188	6.4	82
424	Threshold improvement in uniformly lying helix cholesteric liquid crystal laser using auxiliary π-conjugated polymer active layer. *Journal of Applied Physics*, **2013**, 113, 203105	2.5	5
423	Physicochemical properties of 1-alkyl-3-methylimidazolium chloride–urea melts. *Electrochimica Acta*, **2013**, 100, 285-292	6.7	13

422	Physicochemical properties of tri-n-butylalkylphosphonium cation-based room-temperature ionic liquids. *Journal of Physical Chemistry B*, **2013**, 117, 15051-9	3.4	26
421	Finite-difference time-domain analysis of cholesteric blue phase II using the Landau-de Gennes tensor order parameter model. *Optics Letters*, **2013**, 38, 3380-3	3	12
420	Mechanism of Degradation and Improvement of Stability on Mesogenic-Phthalocyanine-Based Bulk Heterojunction Solar Cell. *Japanese Journal of Applied Physics*, **2013**, 52, 012301	1.4	11
419	Wavefront control by stacked metal-dielectric hole array with variable hole shapes. *Optics Express*, **2013**, 21, 6153-61	3.3	6
418	Phase-dependence of gold nanoparticle dispersibility in blue phase and chiral nematic liquid crystals. *Optical Materials Express*, **2013**, 3, 842	2.6	17
417	Solvent Effects on Solution-Processable Bulk Heterojunction Organic Solar Cells Utilizing 1,4,8,11,15,18,22,25-Octahexylphthalocyanine. *Japanese Journal of Applied Physics*, **2013**, 52, 05DB02	1.4	8
416	Alkyl Substituent Length Dependence of Octaalkylphthalocyanine Bulk Heterojunction Solar Cells. *Applied Physics Express*, **2013**, 6, 122301	2.4	18
415	Effect of Column Disorder on Carrier Transport in Columnar Discotic Liquid Crystal Evaluated by Applying Precisely Controlled Shear Stress. *Japanese Journal of Applied Physics*, **2013**, 52, 101701	1.4	7
414	High-Quality Planar Alignment of Discotic Liquid Crystals Using Oscillating Shear. *Applied Physics Express*, **2013**, 6, 061702	2.4	7
413	Directed Transformation from Quadrupolar to Dipolar Nematic Colloids by an In-Plane Electric Field. *Applied Physics Express*, **2013**, 6, 021702	2.4	
412	Improvement of Photovoltaic Performance of Octahexylphthalocyanine-Based Bulk-Heterojunction Solar Cells Using Various Fullerene Derivatives. *Transactions of the Materials Research Society of Japan*, **2013**, 38, 463-466	0.2	4
411	Uniaxial Alignment of π-Conjugated Polymer Films by Reciprocating Shearing Method. *Transactions of the Materials Research Society of Japan*, **2013**, 38, 503-506	0.2	
410	Organic Thin Film Solar Cell and the Possibility of its Improvement Using Surface Plasmon Resonance. *The Review of Laser Engineering*, **2013**, 41, 177	0	
409	Non-peripheral octahexylphthalocyanine doping effects in bulk heterojunction polymer solar cells. *Organic Electronics*, **2012**, 13, 335-340	3.5	39
408	Photovoltaic Properties of 1,4,8,11,15,18,22,25-Octaalkylphthalocyanine Doped Polymer Bulk Heterojunction Solar Cells. *Japanese Journal of Applied Physics*, **2012**, 51, 02BK15	1.4	5
407	Self-alignment behaviour of photopolymerized liquid crystal micro-particles in a nematic liquid crystal. *Soft Matter*, **2012**, 8, 11323	3.6	10
406	EMISSION ENHANCEMENT CHARACTERISTICS OF OXAZINE IN PMMA MATRIX INFLUENCED BY SURFACE PLASMON POLARITON INDUCED ON SINUSOIDAL SILVER GRATING. *Journal of Nonlinear Optical Physics and Materials*, **2012**, 21, 1250013	0.8	3
405	Fast and Continuous Tunable Lasing from a Nano-Pore Embedded Cholesteric Liquid Crystal Film. *Molecular Crystals and Liquid Crystals*, **2012**, 560, 101-107	0.5	3

404	Tunable Terahertz Filter Using an Etalon with a Nematic Liquid Crystal Layer and its Response Speed. *Molecular Crystals and Liquid Crystals*, **2012**, 561, 82-88	0.5	4
403	Binary systems of discotic liquid crystalline semiconductors toward solution-processing thin film devices **2012**,		5
402	Distributed feedback grating fabricated from hybrid polymer precursor gel by employing short-pulse laser interference for photopumped polymer laser applications. *Polymers for Advanced Technologies*, **2012**, 23, 1264-1270	3.2	4
401	Thermal Annealing Effects on Optical Anisotropy of Aligned Thiophene-Based pi-Conjugated Polymer Films Fabricated by Capillary Action. *Japanese Journal of Applied Physics*, **2012**, 51, 02BK11	1.4	3
400	Uniform liquid crystal alignment on metallic nanohole arrays by vapor-phase deposition of silane coupling agent. *Optical Materials Express*, **2012**, 2, 893	2.6	8
399	Transmission phase control by stacked metal-dielectric hole array with two-dimensional geometric design. *Optics Express*, **2012**, 20, 16092-103	3.3	9
398	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. *Applied Physics Letters*, **2012**, 101, 263301	3.4	32
397	Dependence of alkyl-substituent length for bulk heterojunction solar cells utilizing 1,4,8,11,15,18,22,25-octaalkylphthalocyanine. *Journal of Photonics for Energy*, **2012**, 2, 021004	1.2	12
396	Unidirectional Homogenous Alignment of Smectic Liquid Crystal under Shear Stress. *Ferroelectrics*, **2012**, 431, 74-80	0.6	3
395	Increase in interparticle distance of colloidal dipolar chain in nematic liquid crystal by trapping it on splay-bend wall. *AIP Advances*, **2012**, 2, 042156	1.5	4
394	Siloxane based Organic-Inorganic Hybrid Polymers and their Applications for Nanostructured Optical/Photonic Components. *ITB Journal of Engineering Science*, **2012**, 44, 207-219		5
393	Photovoltaic Properties of 1,4,8,11,15,18,22,25-Octaalkylphthalocyanine Doped Polymer Bulk Heterojunction Solar Cells. *Japanese Journal of Applied Physics*, **2012**, 51, 02BK15	1.4	7
392	Acceptor Material Dependence of Photovoltaic Properties in Bulk Heterojunction Organic Thin Film Solar Cells Utilizing Soluble Octahexylphthalocyanine. *IEEJ Transactions on Electronics, Information and Systems*, **2012**, 132, 1727-1732	0.1	1
391	Thermal Annealing Effects on Optical Anisotropy of Aligned Thiophene-Based □Conjugated Polymer Films Fabricated by Capillary Action. *Japanese Journal of Applied Physics*, **2012**, 51, 02BK11	1.4	
390	Slope Efficiency Improvement in Mode-Hop Driven Tunable Single-Mode Cholesteric Liquid Crystal Laser. *Japanese Journal of Applied Physics*, **2011**, 50, 072702	1.4	1
389	Polarization-independent refractive index tuning using gold nanoparticle-stabilized blue phase liquid crystals. *Optics Letters*, **2011**, 36, 3578-80	3	21
388	Dual frequency operation of a blue phase liquid crystal. *Optical Materials Express*, **2011**, 1, 1577	2.6	13
387	Bipolar Carrier Transport in Tri-Substituted Octyloxy-Truxene DLC. *Molecular Crystals and Liquid Crystals*, **2011**, 545, 149/[1373]-155/[1379]	0.5	8

386	Bulk heterojunction organic solar cells utilizing 1,4,8,11,15,18,22,25-octahexylphthalocyanine. *Solar Energy Materials and Solar Cells*, **2011**, 95, 3087-3087	6.4	28
385	Tunable lasing from a cholesteric liquid crystal film embedded with a liquid crystal nanopore network. *Advanced Materials*, **2011**, 23, 5498-501	24	62
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