

Takahiro Ishinabe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Flexible polymer network liquid crystals using imprinted spacers bonded by UV-curable reactive mesogen for smart window applications. Journal of Information Display, 2022, 23, 69-75.	4.0	5
2	Development of Beam Steerable Reflectarray With Liquid Crystal for Both E-Plane and H-Plane. IEEE Access, 2022, 10, 26177-26185.	4.2	10
3	[Paper] Design of Anisotropic Light-diffusing Film for Rotational Use of Reflective Displays. ITE Transactions on Media Technology and Applications, 2021, 9, 210-215.	0.5	0
4	Dynamic Capacitance Changes by Flow Effect of Nematic-phase Liquid Crystals with Compressive Force. IEICE Transactions on Electronics, 2021, E104.C, 81-84.	0.6	0
5	Ultra-Thin Flexible LCD Based on Single-Substrate Structure Using Novel Deformable Polarizer. Digest of Technical Papers SID International Symposium, 2021, 52, 523-526.	0.3	1
6	Ferroelectric Liquid Crystal Pixels with Extremely Small Pixel Pitch for Holographic Displays. , 2021, , .		0
7	[Paper] Polarized Photoluminescence Characteristics of Uniaxially-Aligned Fluorescent Dye with Liquid Crystalline Polymer for Agricultural Applications. ITE Transactions on Media Technology and Applications, 2021, 9, 203-209.	0.5	1
8	[Paper] Stabilization Effect of Self-Assembly Dendrimer Doped Cholesteric Liquid Crystal on Helical Structure. ITE Transactions on Media Technology and Applications, 2021, 9, 197-202.	0.5	0
9	A Two-Dimensionally Aligned Array with 1/4m Pixel Pitch Using Ferroelectric Liquid Crystal Pixels for Holography Application. Digest of Technical Papers SID International Symposium, 2020, 51, 17-20.	0.3	2
10	[Paper] High-speed Tunable Multi-Bandpass Filter for Real-time Spectral Imaging using Blue Phase Liquid Crystal Etalon. ITE Transactions on Media Technology and Applications, 2020, 8, 202-209.	0.5	1
11	[Paper] Systematic Investigation of Molecular Structure of Nematic-phase Liquid Crystals for Reduction of Dielectric Loss in Microwave Control Applications. ITE Transactions on Media Technology and Applications, 2020, 8, 218-223.	0.5	0
12	[Paper] Formation of Microscopic Polymer Structure in LCs by Patterned UV Irradiation using Polymerization Inhibitor. ITE Transactions on Media Technology and Applications, 2020, 8, 196-201.	0.5	0
13	[Paper] Evaluation of Capability to Maintain Thickness of LC layer of Flexible LCDs with Bonding Polymer Spacers. ITE Transactions on Media Technology and Applications, 2019, 7, 183-189.	0.5	4
14	Fast Switching Twisted-Vertically Aligned Mode Reflective LCD using Mortar-shaped Pixel Structure. Digest of Technical Papers SID International Symposium, 2019, 50, 267-270.	0.3	2
15	Invited Paper: Flexible Nano-Phase-Separated LCDs for Future Sheet-Type Display Applications. Digest of Technical Papers SID International Symposium, 2019, 50, 589-592.	0.3	3
16	Alignment control of liquid crystals in a 1.0/4m pitch spatial light modulator by lattice-shaped dielectric wall structure. Journal of the Society for Information Display, 2019, 27, 251-258.	2.1	11
17	[Paper] Control of Internal Columnar Polymer Structures in Anisotropic Light Diffusing Film for Wide Viewing Angle Reflective Displays. ITE Transactions on Media Technology and Applications, 2019, 7, 176-182.	0.5	1
18	Improvement of Spatial Luminance Uniformity in Emitted Light from Flexible Backlight Using Notch-Type Variable Light Distribution Films. IEICE Transactions on Electronics, 2019, E102.C, 789-794.	0.6	0

#	ARTICLE	IF	CITATIONS
19	[Paper] Low-Temperature Processed Interdigitated Polymer Spacer on Plastic Substrate Using Structural Transfer Method for Flexible Liquid Crystal Displays. ITE Transactions on Media Technology and Applications, 2019, 7, 190-193.	0.5	2
20	Mechanical Stability and Self-Recovery Property of Liquid Crystal Gel Films with Hydrogen-Bonding Interaction. IEICE Transactions on Electronics, 2019, E102.C, 813-817.	0.6	1
21	Research Trend on Information Display Technology. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2019, 73, 318-329.	0.1	0
22	Dependence of optical phase modulation on anchoring strength of dielectric shield wall surfaces in small liquid crystal pixels. Japanese Journal of Applied Physics, 2018, 57, 03EG06.	1.5	5
23	Electro-Optical Characteristics and Curvature Resistance of Dye-Doped Liquid Crystal Gel Films for Stretchable Displays. IEICE Transactions on Electronics, 2018, E101.C, 901-905.	0.6	4
24	Axis-Symmetric Twisted-Vertical Alignment-Mode Using Mortar-Shaped Structure for High-Contrast Reflective LCDs with Fast Response. IEICE Transactions on Electronics, 2018, E101.C, 892-896.	0.6	2
25	Transistor Characteristics of Single Crystalline C₈-BTBT Grown in Coated Liquid Crystal Solution on Photo-Alignment Films. IEICE Transactions on Electronics, 2018, E101.C, 884-887.	0.6	1
26	Polymer Distribution Control of Polymer-Dispersed Liquid Crystals by Uni-Directionally Diffused UV Irradiation Process. IEICE Transactions on Electronics, 2018, E101.C, 857-862.	0.6	4
27	Formation of Polymer Wall Structure on Plastic Substrate by Transfer Method of Fluororesin for Flexible Liquid Crystal Displays. IEICE Transactions on Electronics, 2018, E101.C, 888-891.	0.6	2
28	High Speed and Narrow-Bandpass Liquid Crystal Filter for Real-Time Multi Spectral Imaging Systems. IEICE Transactions on Electronics, 2018, E101.C, 897-900.	0.6	1
29	[Papers] A Multi Spectral Imaging System with a 71dB SNR 190-1100 nm CMOS Image Sensor and an Electrically Tunable Multi Bandpass Filter. ITE Transactions on Media Technology and Applications, 2018, 6, 187-194.	0.5	3
30	[Papers] Transfer Fabrication of Liquid Crystal Devices with Microgroove and Wall Structure on Plastic Substrate for Flexible In-plane Switching Liquid Crystal Displays. ITE Transactions on Media Technology and Applications, 2018, 6, 274-279.	0.5	3
31	P-120: Development of Bottom Emission Display with Excellent Image Visibility under Bright Ambient Light using Quantum Dot Color Filter and In-Cell Polarizer. Digest of Technical Papers SID International Symposium, 2018, 49, 1660-1663.	0.3	1
32	43– Structured PDLCs for Controlling LCD Viewing–Angle. Digest of Technical Papers SID International Symposium, 2018, 49, 546-549.	0.3	2
33	Experimental study of 1-1/4m-pitch light modulation of a liquid crystal separated by dielectric shield walls formed by nanoimprint technology for electronic holographic displays. Optical Engineering, 2018, 57, 1.	1.0	8
34	Design of 1-1/4m-pitch liquid crystal spatial light modulators having dielectric shield wall structure for holographic display with wide field of view. Optical Review, 2017, 24, 165-176.	2.0	21
35	Local dimming light-guiding plate type backlight system using alignment-controlled polymer-dispersed liquid crystals. Journal of the Society for Information Display, 2017, 25, 258-265.	2.1	1
36	Research Trend on Information Display Technology. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2017, 71, 223-234.	0.1	0

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37	Formation of Polymer Walls by Monomer Aggregation Control Utilizing Substrate-Surface Wettability for Flexible LCDs. IEICE Transactions on Electronics, 2017, E100.C, 1005-1011.	0.6	6
38	Foldable Liquid Crystal Devices Using Ultra-Thin Polyimide Substrates and Bonding Polymer Spacers. IEICE Transactions on Electronics, 2017, E100.C, 1039-1042.	0.6	4
39	Proposal of Novel Optical Model for Light-Diffusing Film Having Alternating Polymer Layers with Different Refractive Indices. IEICE Transactions on Electronics, 2017, E100.C, 1047-1051.	0.6	3
40	Evaluation of Phase Retardation of Curved Thin Polycarbonate Substrates for Wide-viewing Angle Flexible Liquid Crystal Displays. IEICE Transactions on Electronics, 2017, E100.C, 992-997.	0.6	9
41	Transmission Property Analysis of Optically-Anisotropic Dielectric Multilayer for Thin Wide-Viewing-Angle Reflective Polarizer. IEICE Transactions on Electronics, 2017, E100.C, 998-1004.	0.6	1
42	Light Diffusion Angle Dependence on Difference in Polymer Refractive Indices of Alternating Polymer Layer Structures. IEICE Transactions on Electronics, 2016, E99.C, 1283-1286.	0.6	6
43	[Invited Paper] Wide-Color-Gamut Reflective Color LCDs using Double-Layered Directional Light Diffusion Film. ITE Transactions on Media Technology and Applications, 2016, 4, 34-40.	0.5	3
44	P-199L: <i>Late-News Poster</i>: Optical Phase Modulation Properties of 1 $\frac{1}{4}$ m-Pitch LCOS with Dielectric Walls for Wide-Viewing-Angle Holographic Displays. Digest of Technical Papers SID International Symposium, 2016, 47, 1670-1673.	0.3	6
45	P-200L: <i>Late-News Poster</i>: Anisotropic Growth and Structural Analysis of Single Crystal Using Liquid Crystal Solvent for Molecular Alignment Controlled Organic Transistors. Digest of Technical Papers SID International Symposium, 2016, 47, 1543-1546.	0.3	0
46	51-2: Novel Achromatic Polarizer with High Dichromatic Ratio. Digest of Technical Papers SID International Symposium, 2016, 47, 692-695.	0.3	1
47	4-2: Thin Flexible Liquid Crystal Displays Using Dye-Type In-Cell Polarizer and PET Substrates. Digest of Technical Papers SID International Symposium, 2016, 47, 18-20.	0.3	3
48	Flexible Ultra-Thin Liquid Crystal Devices Using Coat-Debond Polyimide Substrates and Etched Post Spacers. IEICE Transactions on Electronics, 2016, E99.C, 1228-1233.	0.6	4
49	Control of Morphology and Alignment of Liquid Crystal Droplets in Molecular-Aligned Polymer for Substrate-Free Displays. IEICE Transactions on Electronics, 2016, E99.C, 1234-1239.	0.6	0
50	Flexible In-Plane-Switching Liquid Crystal Display Using Stretched Polycarbonate Substrates with Optical Positive A-Plate. IEICE Transactions on Electronics, 2015, E98.C, 1039-1042.	0.6	2
51	Flexible Polymer-Wall-Stabilized Blue-Phase Liquid Crystal Cell Using Plastic Substrates. IEICE Transactions on Electronics, 2015, E98.C, 1043-1046.	0.6	7
52	27.3: Development of Highly Durable Achromatic Polarizer with High Heat and Moisture Resistance. Digest of Technical Papers SID International Symposium, 2015, 46, 390-393.	0.3	2
53	Crystal Axis Control of Soluble Organic Semiconductors in Nematic Liquid Crystal Solvents Based on Electric Field. IEICE Transactions on Electronics, 2015, E98.C, 1032-1034.	0.6	4
54	P´L: <i>Late News Poster</i>: Achromatic Polarizer Using Novel Dichromatic Dye for Low Power Display Applications. Digest of Technical Papers SID International Symposium, 2014, 45, 1431-1434.	0.3	4

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55	Floating Autostereoscopic 3D Display with Variable Viewing Area for Multi-View Teleconference System. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 1423-1428.	0.2	0
56	[Invited Paper] High Precision Measurement of Twist Elastic Constant K ₂₂ of Liquid Crystal Materials using Ellipsometry Analysis. ITE Transactions on Media Technology and Applications, 2014, 2, 52-59.	0.5	0
57	[Paper] Floating Autostereoscopic 3D Projection Display with High Light Efficiency and Wide Viewing Depth using Anisotropic Light Diffuser. ITE Transactions on Media Technology and Applications, 2014, 2, 15-22.	0.5	3
58	4.1: <i>Distinguished Student Paper</i> : Low-Voltage and Hysteresis-Free Blue-Phase LCD with Vertical Field Switching. Digest of Technical Papers SID International Symposium, 2012, 43, 15-17.	0.3	3
59	17.5: High-Resolution Floating Autostereoscopic 3D Display Based on Iris-Plane-Dividing Technology. Digest of Technical Papers SID International Symposium, 2012, 43, 225-228.	0.3	3
60	P-164: A New Transflective OCB-LCD with In-Cell Compensation Film. Digest of Technical Papers SID International Symposium, 2011, 42, 1717-1720.	0.3	0
61	48.2: Invited Paper: A Stereoscopic Display System for Medical Microsurgery that Utilizes a Small-Sized High-Resolution Field Sequential Color LCD. Digest of Technical Papers SID International Symposium, 2011, 42, 695-698.	0.3	0
62	A Highly Accurate Measurement of Liquid Crystal Material and Device Parameters. Molecular Crystals and Liquid Crystals, 2010, 516, 211-227.	0.9	1
63	P-140: Establishment of the Quantitative Evaluation of LCDs Based on the Precise Measurement of the LC Parameters Considering the Multiple Interferences in the LC Cell. Digest of Technical Papers SID International Symposium, 2009, 40, 1647-1650.	0.3	0
64	35.3: A New Single-Cell-Gap Transflective OCB-LCD with Fast Response Time and Wide Viewing Angle. Digest of Technical Papers SID International Symposium, 2008, 39, 499.	0.3	2
65	P-255L: Late-News Poster: Precise Measurement of LC Material Parameters for Ultra-High Resolution Full-HD OCB-Mode FSC-LCD. Digest of Technical Papers SID International Symposium, 2008, 39, 1857.	0.3	1
66	P-256L: Late-News Poster: Realization of Reliable Splay-to-Bend Transition for OCB-Mode LCD Based on Analyzing Behavior of Disclination. Digest of Technical Papers SID International Symposium, 2008, 39, 1861.	0.3	0
67	17.1: Invited Paper: High Performance OCB-mode for Field Sequential Color LCDs. Digest of Technical Papers SID International Symposium, 2007, 38, 987-990.	0.3	6
68	P-229L: Late-News Poster: Development of Super High Performance OCB Mode for High Quality Color-field Sequential LCDs. Digest of Technical Papers SID International Symposium, 2006, 37, 717.	0.3	5
69	P-179L: Late-News Poster: Analysis of Temperature Dependency on the Viscosity Coefficients and Flow-effect of Liquid Crystal, and their Influence on Response Time of OCB, ECB and VA Modes. Digest of Technical Papers SID International Symposium, 2005, 36, 666.	0.3	9
70	P-180L: Late-News Poster: Tunable Liquid Crystal Color Filter for Image Analysis. Digest of Technical Papers SID International Symposium, 2005, 36, 694.	0.3	1
71	The Transition from the Splay to Bend State in the OCB Cell. Molecular Crystals and Liquid Crystals, 2004, 410, 391-400.	0.9	5
72	Improvement of Viewing Angle Properties of IPS-Mode LCD by using Super-Wide-Viewing-Angle Polarizer. Molecular Crystals and Liquid Crystals, 2004, 410, 381-390.	0.9	3

#	ARTICLE	IF	CITATIONS
73	LP-4: Late-News Poster: Overdrive for Compensating Color-Shift on Field Sequential Color TFT-LCDs. Digest of Technical Papers SID International Symposium, 2004, 35, 408.	0.3	9
74	LP-6: Design of a Quarter Wave Plate with Wide Viewing Angle and Wide Wavelength Range for High Quality Reflective LCDs. Digest of Technical Papers SID International Symposium, 2001, 32, 906.	0.3	16