

Shin-Tson Wu

List of Publications by Year in descending order

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10539
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Comparison between Mini-LED Backlit LCD and OLED Display for 15.6-Inch Notebook Computers. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1239.	1.3	18
2	Gaze-Matched Pupil Steering Maxwellian-View Augmented Reality Display with Large Angle Diffractive Liquid Crystal Lenses. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	19
3	Luminescent Nanomaterials for Energy-Efficient Display and Healthcare. <i>ACS Energy Letters</i> , 2022, 7, 1001-1020.	8.8	51
4	Analysis and optimization on display performance for virtual reality. , 2022, , .		0
5	Polarization-dependent combiner for wide field-of-view glasses-like AR displays. , 2022, , .		1
6	Holo-imprinting polarization optics with a reflective liquid crystal hologram template. <i>Light: Science and Applications</i> , 2022, 11, 54.	7.7	36
7	Foveated imaging by polarization multiplexing for compact near-eye displays. <i>Journal of the Society for Information Display</i> , 2022, 30, 381-386.	0.8	6
8	Compact electric pupil steering for Maxwellian-type augmented reality systems. , 2022, , .		0
9	Pancharatnam-Berry phase optical elements for VR displays. , 2022, , .		0
10	High-Precision Beam Angle Expander Based on Polymeric Liquid Crystal Polarization Lenses for LiDAR Applications. <i>Crystals</i> , 2022, 12, 349.	1.0	11
11	Low-diffraction transparent micro light-emitting diode displays with optimized pixel structure. <i>Journal of the Society for Information Display</i> , 2022, 30, 395-403.	0.8	7
12	Advanced liquid crystal devices for augmented reality and virtual reality displays: principles and applications. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	154
13	16-3: Compact Tunable Alvarez Lens Based on Pancharatnam-Berry Optical Elements. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 174-177.	0.1	0
14	35-4: <i>Student Paper:</i> Systematic Comparisons on Display Performances including Halo Effect. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 436-439.	0.1	0
15	54-4: <i>Distinguished Student Paper:</i> Low-Diffraction Transparent 1/4LED Displays with Optimized Pixel Structure. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 715-718.	0.1	0
16	70-1: <i>Distinguished Student Paper:</i> Foveated Imaging by Polarization Multiplexing for Compact Near-Eye Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 937-940.	0.1	0
17	6-1: <i>Invited Paper:</i> Tutorial on Diffractive Liquid-Crystal Devices for AR/VR Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 36-39.	0.1	2
18	P-74: <i>Student Poster:</i> High Efficiency 1/4LED Light Engine for AR/VR Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 1316-1319.	0.1	0

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19	49â€1: <i>Distinguished Student Paper:</i> Gaze Matched Pupil Steering Maxwellianâ€view Augmented Reality Display. Digest of Technical Papers SID International Symposium, 2022, 53, 624-627.	0.1	1
20	24â€4: <i>Student Paper:</i> High Precision Beam Angle Expander Based on Polymeric Liquid Crystal Polarization Lenses for LiDAR Applications. Digest of Technical Papers SID International Symposium, 2022, 53, 283-286.	0.1	1
21	Holographic Optical Elements for Augmented Reality: Principles, Present Status, and Future Perspectives. Advanced Photonics Research, 2021, 2, 2000049.	1.7	62
22	Peculiar polarization response in chiral liquid crystal stacks for multispectral camouflage. Optics Express, 2021, 29, 2931.	1.7	4
23	Spotlighting Recent Advances in Liquidâ€Crystal Devices for Beamâ€steering Applications. Information Display, 2021, 37, 9-13.	0.1	1
24	A deep-dyeing strategy for ultra-stable, brightly luminescent perovskite-polymer composites. Journal of Materials Chemistry C, 2021, 9, 3396-3402.	2.7	6
25	Fast-Response Liquid Crystal for Spatial Light Modulator and LiDAR Applications. Crystals, 2021, 11, 93.	1.0	34
26	Angular color shift and power consumption of RGB micro-LED displays. Semiconductors and Semimetals, 2021, 106, 323-344.	0.4	1
27	Enhancing the Optical Efficiency of Near-Eye Displays with Liquid Crystal Optics. Crystals, 2021, 11, 107.	1.0	11
28	Large-angle two-dimensional grating with hybrid mechanisms. Optics Letters, 2021, 46, 920.	1.7	1
29	Enlarging the Eyebow of Maxwellian Displays with a Customized Liquid Crystal Dammann Grating. Crystals, 2021, 11, 195.	1.0	12
30	Broadband cholesteric liquid crystal lens for chromatic aberration correction in catadioptric virtual reality optics. Optics Express, 2021, 29, 6011.	1.7	37
31	Aberration-free pupil steerable Maxwellian display for augmented reality with cholesteric liquid crystal holographic lenses. Optics Letters, 2021, 46, 1760.	1.7	36
32	Doubling the optical efficiency of colorâ€converted microâ€lightâ€emitting diode displays with a patterned cholesteric liquid crystal polymer film. Journal of the Society for Information Display, 2021, 29, 288-297.	0.8	5
33	Compact, fastâ€response, continuous, and wideâ€angle laser beam steerers. Journal of the Society for Information Display, 2021, 29, 281-287.	0.8	1
34	Aberrationâ€free pupil steering Maxwellian display with wideâ€view broadband polarization converters. Journal of the Society for Information Display, 2021, 29, 298-304.	0.8	9
35	Doubling the FOV of AR displays with a liquid crystal polarization-dependent combiner. Optics Express, 2021, 29, 11512.	1.7	17
36	Virtual reality and augmented reality displays: advances and future perspectives. JPhys Photonics, 2021, 3, 022010.	2.2	40

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37	Polarization-independent liquid crystal-based refractive index sensor. Journal of the Society for Information Display, 2021, 29, 305-310.	0.8	4
38	Novel polarization-dependent combiner for wide field-of-view glass-like near-eye displays. Journal of the Society for Information Display, 2021, 29, 311-317.	0.8	1
39	56: Distinguished Student Paper: Polarization-Independent Liquid-Crystal-Based Refractive Index Sensor. Digest of Technical Papers SID International Symposium, 2021, 52, 780-783.	0.1	0
40	40: Distinguished Student Paper: Compact, Fast-Response, Continuous and Wide-Angle Laser Beam Steerers. Digest of Technical Papers SID International Symposium, 2021, 52, 553-556.	0.1	0
41	P90: Student Poster: High Birefringence Liquid Crystal for Fast-Response Phase Modulators. Digest of Technical Papers SID International Symposium, 2021, 52, 1416-1419.	0.1	1
42	P48: Student Poster: Light-Efficient Virtual Reality Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 1246-1249.	0.1	0
43	Reducing Power Consumption of Active-Matrix Mini-LED Backlit LCDs by Driving Circuit. IEEE Transactions on Electron Devices, 2021, 68, 2347-2354.	1.6	26
44	Prospects and challenges of mini-LED, OLED, and micro-LED displays. Journal of the Society for Information Display, 2021, 29, 446-465.	0.8	127
45	62: Distinguished Student Paper: Doubling the Optical Efficiency of Color-Converted MicroLED Displays with a Patterned Cholesteric Liquid-Crystal Polymer Film. Digest of Technical Papers SID International Symposium, 2021, 52, 895-898.	0.1	0
46	33: Student Paper: Optimized Liquid-Crystal Dammann Grating for Eyebox Expansion in Maxwellian-View Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 431-434.	0.1	1
47	32: Student Paper: Chromatic Aberration Correction Enabled by Broadband Cholesteric Liquid-Crystal Lens for Pancake Virtual-Reality Optics. Digest of Technical Papers SID International Symposium, 2021, 52, 424-426.	0.1	1
48	41: Student Paper: High-Dynamic-Range HUD with a Polarization Selective Optical Combiner. Digest of Technical Papers SID International Symposium, 2021, 52, 564-567.	0.1	0
49	31: Distinguished Student Paper: Aberration-Free Pupil Steering Maxwellian Display for Augmented Reality. Digest of Technical Papers SID International Symposium, 2021, 52, 398-401.	0.1	0
50	47: Student Paper: Ambient Light and Human Vision Effects on High-Dynamic-Range Displays. Digest of Technical Papers SID International Symposium, 2021, 52, 646-649.	0.1	4
51	Miniature planar telescopes for efficient, wide-angle, high-precision beam steering. Light: Science and Applications, 2021, 10, 134.	7.7	28
52	Doubling the optical efficiency of VR systems with a directional backlight and a diffractive deflection film. Optics Express, 2021, 29, 20673.	1.7	25
53	Planar liquid crystal polarization optics for augmented reality and virtual reality: from fundamentals to applications. ELight, 2021, 1, .	11.9	142
54	Fast-Response Liquid Crystals for 6G Optical Communications. Crystals, 2021, 11, 797.	1.0	22

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55	Dual-depth augmented reality display with reflective polarization-dependent lenses. Optics Express, 2021, 29, 31478.	1.7	19
56	Augmented reality and virtual reality displays: emerging technologies and future perspectives. Light: Science and Applications, 2021, 10, 216.	7.7	404
57	Tailoring the light distribution of micro-LED displays with a compact compound parabolic concentrator and an engineered diffusor. Optics Express, 2021, 29, 39859.	1.7	12
58	3D displays in augmented and virtual realities with holographic optical elements [Invited]. Optics Express, 2021, 29, 42696.	1.7	31
59	Optimizing the display performance for virtual reality systems. OSA Continuum, 2021, 4, 3052.	1.8	14
60	Practical Chromatic Aberration Correction in Virtual Reality Displays Enabled by Cost-Effective Ultra-Broadband Liquid Crystal Polymer Lenses. Advanced Optical Materials, 2020, 8, 1901360.	3.6	71
61	Swelling-Deswelling Microencapsulation-Enabled Ultrastable Perovskite-Polymer Composites for Photonic Applications. Chemical Record, 2020, 20, 672-681.	2.9	15
62	79-2: Ambient Light Excitation in Quantum-Dot-Converted MicroLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 1174-1177.	0.1	2
63	10-1: Invited Paper: High Dynamic Range Mini-LED and Dual-Cell LCDs. Digest of Technical Papers SID International Symposium, 2020, 51, 115-118.	0.1	2
64	26-1: Distinguished Paper: Chirped polarization volume grating for wide FOV and high efficiency waveguide-based AR displays. Digest of Technical Papers SID International Symposium, 2020, 51, 371-374.	0.1	0
65	37-3: Power consumption of OLED and 1/4LED displays. Digest of Technical Papers SID International Symposium, 2020, 51, 528-531.	0.1	3
66	17-5: Distinguished Student Paper: Birefringent Light-Shaping Film for Mini-LED Backlights. Digest of Technical Papers SID International Symposium, 2020, 51, 239-242.	0.1	0
67	Multifocal displays: review and prospect. Photonix, 2020, 1, .	5.5	98
68	P-105: Bright, Large Pixel, Flexible Quantum-Dot Light-Emitting Diodes for Photomedicine. Digest of Technical Papers SID International Symposium, 2020, 51, 1748-1751.	0.1	6
69	Submillisecond-Response Polymer Network Liquid Crystal Phase Modulators. Polymers, 2020, 12, 2862.	2.0	8
70	Augmented Reality and Virtual Reality Displays: Perspectives and Challenges. IScience, 2020, 23, 101397.	1.9	214
71	40-1: Invited Paper: Fast-Switching Liquid Crystal Devices for Near-Eye and Head-Up Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 567-570.	0.1	0
72	40-4: Cost-Efficient Polymer Flat Lens for Chromatic Aberration Correction in Virtual Reality Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 579-582.	0.1	0

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73	40â€5: Distinguished Paper: A Scanning Waveguide Display with 100Â° of FOV. Digest of Technical Papers SID International Symposium, 2020, 51, 583-586.	0.1	0
74	86â€8: Ultraâ€Stable Deepâ€Dyed Perovskiteâ€Polymer Composites as Tunable Downconverters. Digest of Technical Papers SID International Symposium, 2020, 51, 1303-1306.	0.1	3
75	Fast-Response Liquid Crystal Phase Modulators with an Excellent Photostability. Crystals, 2020, 10, 765.	1.0	24
76	Enhancing the Efficiency of Color Conversion Micro-LED Display with a Patterned Cholesteric Liquid Crystal Polymer Film. Nanomaterials, 2020, 10, 2430.	1.9	26
77	52â€2: Fastâ€response Liquid Crystals for AR and Headâ€Up Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 765-768.	0.1	0
78	54â€2: Distinguished Student Paper: Increasing the Pixel Density for VR Displays with a Polarization Grating. Digest of Technical Papers SID International Symposium, 2020, 51, 796-799.	0.1	0
79	Design and Simulation of Low Circadian Action Micro-LED Displays with Four Primary Colors. Crystals, 2020, 10, 383.	1.0	4
80	Improving the Power Efficiency of Micro-LED Displays with Optimized LED Chip Sizes. Crystals, 2020, 10, 494.	1.0	40
81	Self-assembled plasmonics for angle-independent structural color displays with actively addressed black states. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13350-13358.	3.3	54
82	Mini-LED, Micro-LED and OLED displays: present status and future perspectives. Light: Science and Applications, 2020, 9, 105.	7.7	630
83	Increasing the pixel density for VR displays with a polarization grating. Journal of the Society for Information Display, 2020, 28, 315-323.	0.8	3
84	Ligand assisted swellingâ€deswelling microencapsulation (LASDM) for stable, color tunable perovskiteâ€polymer composites. Nanoscale Advances, 2020, 2, 2034-2043.	2.2	21
85	Reflective Polarization Volume Lens with Small $\langle i \rangle$ â€Number and Large Diffraction Angle. Advanced Optical Materials, 2020, 8, 2000170.	3.6	57
86	Volumetric light-shaping polymer-dispersed liquid crystal films for mini-LED backlights. Liquid Crystals, 2020, 47, 1458-1463.	0.9	15
87	Polarization Volume Gratings for Near-Eye Displays and Novel Photonic Devices. Crystals, 2020, 10, 561.	1.0	38
88	Tailoring the Spectrum: Lowâ€Cost Perovskiteâ€Polymer Composites. Information Display, 2020, 36, 10-15.	0.1	1
89	Chirped polarization volume grating for wide FOV and highâ€efficiency waveguideâ€based AR displays. Journal of the Society for Information Display, 2020, 28, 368-374.	0.8	20
90	Birefringent lightâ€shaping films for miniâ€LED backlights. Journal of the Society for Information Display, 2020, 28, 476-482.	0.8	8

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91	Wide-view augmented reality display with diffractive cholesteric liquid crystal lens array. Journal of the Society for Information Display, 2020, 28, 450-456.	0.8	10
92	Patterning Liquid-Crystal Alignment for Ultrathin Flat Optics. ACS Omega, 2020, 5, 31485-31489.	1.6	35
93	Broadband wide-view Pancharatnam-Berry phase deflector. Optics Express, 2020, 28, 4921.	1.7	52
94	Flat cholesteric liquid crystal polymeric lens with low f-number. Optics Express, 2020, 28, 5875.	1.7	38
95	Passive polymer-dispersed liquid crystal enabled multi-focal plane displays. Optics Express, 2020, 28, 15294.	1.7	30
96	Absorption-based polarization gratings. Optics Express, 2020, 28, 13907.	1.7	11
97	Standing wave polarization holography for realizing liquid crystal Pancharatnum-Berry phase lenses. Optics Express, 2020, 28, 21729.	1.7	8
98	Foveated display system based on a doublet geometric phase lens. Optics Express, 2020, 28, 23690.	1.7	23
99	High dynamic range head-up displays. Optics Express, 2020, 28, 24298.	1.7	16
100	Rigorous coupled-wave analysis of liquid crystal polarization gratings. Optics Express, 2020, 28, 35960.	1.7	19
101	Halo effect in high-dynamic-range mini-LED backlit LCDs. Optics Express, 2020, 28, 36822.	1.7	43
102	Maxwellian near-eye display with an expanded eyebox. Optics Express, 2020, 28, 38616.	1.7	56
103	Breaking the field-of-view limit in augmented reality with a scanning waveguide display. OSA Continuum, 2020, 3, 2730.	1.8	36
104	Polarization independent guided-mode resonance in liquid crystal-based polarization gratings. OSA Continuum, 2020, 3, 3107.	1.8	5
105	Planar optics enables chromatic aberration correction in immersive near-eye displays. , 2020, , .		1
106	Quantum Dot Light Emitting Diodes. , 2019, , 35-56.		1
107	Advanced liquid crystal displays with supreme image qualities. Liquid Crystals Today, 2019, 28, 4-11.	2.3	20
108	37.3: Invited Paper: Update on Photoluminescent Perovskites and Electroluminescent Quantum Dots. Digest of Technical Papers SID International Symposium, 2019, 50, 406-406.	0.1	0

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109	Prospects and challenges in augmented reality displays. <i>Virtual Reality & Intelligent Hardware</i> , 2019, 1, 10-20.	1.8	86
110	Emerging Perovskite Nanocrystals-Enhanced Solid-State Lighting and Liquid-Crystal Displays. <i>Crystals</i> , 2019, 9, 59.	1.0	51
111	Liquid Crystal Beam Steering Devices: Principles, Recent Advances, and Future Developments. <i>Crystals</i> , 2019, 9, 292.	1.0	89
112	PÐ: Late&#News Poster: Single&#exposure fabrication of geometry phase optical elements with arbitrary wavefronts. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 1866-1869.	0.1	0
113	4: Distinguished Student Paper: High Efficiency Color&#Converted Micro&#LED Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 22-25.	0.1	2
114	65: Light Diffusing, Down&#Converting Perovskite&#on&#Polymer Microspheres. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 917-920.	0.1	0
115	65: Perovskite Downconverters for Optimized Solid&#State Lighting. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 921-924.	0.1	2
116	41: Mini&#LED Enhanced LCD for High Dynamic Range Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 569-572.	0.1	8
117	45: Four&#Plane Near&#Eye Display without Sacrificing the Frame Rate. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 620-623.	0.1	1
118	45: Near&#Eye Foveated Display for Achieving Human Visual Acuity. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 624-627.	0.1	0
119	49: Distinguished Student Paper: High&#Efficiency Switchable Optical Elements for Advanced Head&#up Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 676-679.	0.1	0
120	54: Bright Quantum Dots LEDs Enabled by Imprinted Random Nanostructures. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 750-753.	0.1	1
121	59: <i>Distinguished Student Paper:</i> Stretchable, flexible and adherable polarization volume grating film for waveguide&#based AR displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 830-833.	0.1	1
122	59: Active Refractive and Diffractive Liquid&#Crystal Microlens Arrays Enabled by Two&#Photon Polymerization. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 834-837.	0.1	0
123	59: Fast&#response polarization volume gratings for AR/VR displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 838-841.	0.1	1
124	66: High transmittance and fast response FFS LCD for AR and VR displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 929-932.	0.1	1
125	66: Submillisecond&#Response 10&#Megapixel 4K2K LCoS for Microdisplay and Spatial Light Modulator. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 933-936.	0.1	11
126	High performance color&#converted micro&#LED displays. <i>Journal of the Society for Information Display</i> , 2019, 27, 199-206.	0.8	45

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127	Prospects and challenges of mini-LED and micro-LED displays. Journal of the Society for Information Display, 2019, 27, 387-401.	0.8	165
128	Bright Quantum Dot Light-Emitting Diodes Enabled by Imprinted Speckle Image Holography Nanostructures. Journal of Physical Chemistry Letters, 2019, 10, 2196-2201.	2.1	18
129	Light diffusing, down-converting perovskite-on-polymer microspheres. Journal of Materials Chemistry C, 2019, 7, 6527-6533.	2.7	15
130	High-efficiency switchable optical elements for advanced head-up displays. Journal of the Society for Information Display, 2019, 27, 223-231.	0.8	15
131	Stretchable, flexible, and adherable polarization volume grating film for waveguide-based augmented reality displays. Journal of the Society for Information Display, 2019, 27, 232-237.	0.8	12
132	Tripling the Optical Efficiency of Color-Converted Micro-LED Displays with Funnel-Tube Array. Crystals, 2019, 9, 39.	1.0	49
133	Perovskite Downconverters for Efficient, Excellent Color-Rendering, and Circadian Solid-State Lighting. Nanomaterials, 2019, 9, 176.	1.9	28
134	Multistimuli-Responsive Self-Organized Liquid Crystal Bragg Gratings. Advanced Optical Materials, 2019, 7, 1900101.	3.6	56
135	High-frame-rate liquid crystal phase modulator for augmented reality displays. Liquid Crystals, 2019, 46, 309-315.	0.9	18
136	High performance LCD for augmented reality and virtual reality displays. Liquid Crystals, 2019, 46, 920-929.	0.9	22
137	Near-eye light field display with polarization multiplexing. , 2019, , .		1
138	Optical properties of reflective liquid crystal polarization volume gratings. Journal of the Optical Society of America B: Optical Physics, 2019, 36, D9.	0.9	50
139	Pancharatnam-Berry optical elements for head-up and near-eye displays [Invited]. Journal of the Optical Society of America B: Optical Physics, 2019, 36, D52.	0.9	117
140	Fabrication of Pancharatnam-Berry phase optical elements with highly stable polarization holography. Optics Express, 2019, 27, 2632.	1.7	47
141	Photo-responsive dye-doped liquid crystals for smart windows. Optics Express, 2019, 27, 4480.	1.7	44
142	Stretchable, flexible, rollable, and adherable polarization volume grating film. Optics Express, 2019, 27, 5814.	1.7	47
143	Single-exposure fabrication of tunable Pancharatnam-Berry devices using a dye-doped liquid crystal. Optics Express, 2019, 27, 9054.	1.7	40
144	Angular color shift of micro-LED displays. Optics Express, 2019, 27, A746.	1.7	90

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145	Novel liquid crystal photonic devices enabled by two-photon polymerization [Invited]. Optics Express, 2019, 27, 11472.	1.7	44
146	Improving near-eye display resolution by polarization multiplexing. Optics Express, 2019, 27, 15327.	1.7	21
147	Device simulation of liquid crystal polarization gratings. Optics Express, 2019, 27, 18102.	1.7	49
148	Photo- and electrical-responsive liquid crystal smart dimmer for augmented reality displays. Optics Express, 2019, 27, 18169.	1.7	18
149	Wavelength-multiplexed multi-focal-plane seethrough near-eye displays. Optics Express, 2019, 27, 27507.	1.7	24
150	A versatile method for fabricating Pancharatnam-Berry micro-optical elements. Optics Express, 2019, 27, 27831.	1.7	13
151	Chirped polarization volume grating with ultra-wide angular bandwidth and high efficiency for see-through near-eye displays. Optics Express, 2019, 27, 35895.	1.7	25
152	Emerging high-dynamic-range mini-LED displays. , 2019, , .		0
153	Near-eye light-field display with polarization multiplexing. , 2019, , .		0
154	Perovskite-on-polymer microspheres for optimized solid state lighting. , 2019, , .		0
155	Recent advances in liquid-crystal polarization volume gratings. , 2019, , .		3
156	Compact see-through near-eye display with depth adaption. Journal of the Society for Information Display, 2018, 26, 64-70.	0.8	41
157	Flexible quantum dot light-emitting devices for targeted photomedical applications. Journal of the Society for Information Display, 2018, 26, 296-303.	0.8	28
158	Motion-blur-free <sc>LCD</sc> for high-resolution virtual reality displays. Journal of the Society for Information Display, 2018, 26, 223-228.	0.8	11
159	Liquid crystal display and organic light-emitting diode display: present status and future perspectives. Light: Science and Applications, 2018, 7, 17168-17168.	7.7	667
160	Foveated imaging for near-eye displays. Optics Express, 2018, 26, 25076.	1.7	94
161	Pursuing High Quality Phase-Only Liquid Crystal on Silicon (LCoS) Devices. Applied Sciences (Switzerland), 2018, 8, 2323.	1.3	66
162	Liquid-Crystal-on-Silicon for Augmented Reality Displays. Applied Sciences (Switzerland), 2018, 8, 2366.	1.3	69

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163	Adaptive Lenses Based on Soft Electroactive Materials. Applied Sciences (Switzerland), 2018, 8, 1085.	1.3	28
164	77â€³: Tuning the CCT of White LEDs with an Active Color filter. Digest of Technical Papers SID International Symposium, 2018, 49, 1036-1039.	0.1	1
165	58â€³: Subâ€³KHz 4000â€³PPI LCoS Phase Modulator for Holographic Displays. Digest of Technical Papers SID International Symposium, 2018, 49, 772-775.	0.1	5
166	18â€³: Polarized Emission from Stretchâ€³Aligned Perovskite Nanorodsâ€³Polymer Composites with High Stability. Digest of Technical Papers SID International Symposium, 2018, 49, 218-221.	0.1	2
167	74â€³: <i>Invited Paper:</i> Can LCDs Outperform OLED Displays in Ambient Contrast Ratio?. Digest of Technical Papers SID International Symposium, 2018, 49, 981-984.	0.1	6
168	Pâ€³153: High Contrast Ratio LCD with an Inâ€³cell Polarizer. Digest of Technical Papers SID International Symposium, 2018, 49, 1734-1737.	0.1	0
169	44â€³: Large Area Multiâ€³Layer Liquid Crystal Phase Modulators Enabled by Twoâ€³Photon Polymerization. Digest of Technical Papers SID International Symposium, 2018, 49, 585-588.	0.1	1
170	3â€³4: Doubling the Pixel Density of Nearâ€³Eye Displays. Digest of Technical Papers SID International Symposium, 2018, 49, 13-16.	0.1	2
171	17â€³5: High Efficiency Polarization Volume Grating for Waveguideâ€³based AR Displays. Digest of Technical Papers SID International Symposium, 2018, 49, 208-211.	0.1	0
172	18â€³4: Converting Light Diffusing Polymer Powders into Stable Perovskiteâ€³Based Tunable Downconverters. Digest of Technical Papers SID International Symposium, 2018, 49, 222-224.	0.1	5
173	71â€³4: New LCD with 97.3% Rec.2020 color gamut. Digest of Technical Papers SID International Symposium, 2018, 49, 953-956.	0.1	0
174	Pâ€³140: New Nematic LCD with Submillisecond Response Time. Digest of Technical Papers SID International Symposium, 2018, 49, 1691-1694.	0.1	4
175	22â€³3: <i>Distinguished Student Paper:</i> Flexible Quantum Dot Light Emitting Devices for Photomedicine. Digest of Technical Papers SID International Symposium, 2018, 49, 275-278.	0.1	1
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