

CITATION REPORT

List of articles citing

Mini-LED and Micro-LED: Promising Candidates for the Next Generation Display Technology

DOI: 10.3390/app8091557

Applied Sciences (Switzerland), 2018, 8, 1557.

Source: <https://exaly.com/paper-pdf/70923143/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
373	III-Nitride Micro-LEDs for Efficient Emissive Displays. 2019 , 13, 1900141		54
372	Fabrication and Characterization of GaN-Based Micro-LEDs on Silicon Substrate*. 2019 , 36, 088501		0
371	Recent review on improving mechanical durability for flexible oxide thin film transistors. 2019 , 52, 483002		6
370	Size-independent peak efficiency of III-nitride micro-light-emitting-diodes using chemical treatment and sidewall passivation. 2019 , 12, 097004		79
369	Stability of Hybrid Organic-Inorganic Perovskite CH ₃ NH ₃ PbBr Nanocrystals under Co-Stresses of UV Light Illumination and Temperature. 2019 , 9,		6
368	Self-contained InGa _N /Ga _N micro-crystal arrays as individually addressable multi-color emitting pixels on a deformable substrate. 2019 , 803, 826-833		4
367	Insights Into the Influence of Sidewall Morphology on the Light Extraction Efficiency of Mini-LEDs. 2019 , 11, 1-7		5
366	Hybrid Light Emitters and UV Solar-Blind Avalanche Photodiodes based on III-Nitride Semiconductors. 2020 , 32, e1904354		11
365	20.1: Invited Paper: Monolithic Full-color Quantum Dot Nanoring Micro LEDs with Improved Efficiency. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 191-193	0.5	1
364	Transfer or delivery of micro light-emitting diodes for light-emitting diode displays. 2019 , 9, 100901		
363	P-5.11: Research on the effect of simplified structure of mini-LED backlight module on luminous efficiency. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 742-745	0.5	
362	16.2: Invited Paper: Challenges and solutions for High-performance GaN MicroLED displays. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 164-166	0.5	1
361	P-6.8: Study of Mass Transfer for Micro-LED Manufacturing. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 775-778	0.5	3
360	Light Extraction Enhancement of InGa _N Based Micro Light-Emitting Diodes with Concave-Convex Circular Composite Structure Sidewall. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3458	2.6	2
359	Characteristics of Micro LEDs With Snowflake p-Electrode and Composite Textured Sidewalls. 2019 , 31, 1705-1708		3
358	P-6.7: Investigation of Full-Color Solutions for Micro-LED Display. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 771-774	0.5	3
357	A simulation study on the enhancement of the efficiency of GaN-based blue light-emitting diodes at low current density for micro-LED applications. 2019 , 6, 105915		8

356	High Yield Precision Transfer and Assembly of GaN μ LEDs Using Laser Assisted Micro Transfer Printing. 2019,		4
355	Ferroelectric Liquid Crystals: Physics and Applications. 2019, 9, 470		22
354	15-1: PWM Pixel Circuit with LTPS TFTs for Micro-LED Displays. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 192-195</i>	0.5	17
353	25-4: Late-News Paper: Xerographic MicroAssembly Printer for LEDs and Beyond. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 349-352</i>	0.5	2
352	Monolithic integration of tricolor micro-LEDs and color mixing investigation by analog and digital dimming. 2019, 58, SCCC06		16
351	4-3: Distinguished Paper: 10 μ m Pixel, Quantum-dots Color Conversion Layer for High Resolution and Full Color Active Matrix Micro-LED Display. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 26-29</i>	0.5	5
350	18-3: A New Approach for Fabricating High-Performance MicroLED Displays. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 240-243</i>	0.5	9
349	18-4: MicroLED Displays based on Transfer with Microtubes Interconnections. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 244-247</i>	0.5	2
348	P-115: Patternable and Ultra-Thin Quantum Dot Color Conversion Layer for Mini-Sized White Light LED Backlight. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 1681-1684</i>	0.5	1
347	P-97: Research on the effect of simplified structure of mini-LED backlight module on luminous efficiency. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 1599-1601</i>	0.5	1
346	Fabrication and Luminescent Properties of ZnCuInS/ZnS Quantum Dot Films under UV Excitation. <i>Applied Sciences (Switzerland), 2019, 9, 2367</i>	2.6	8
345	Origins of Inhomogeneous Light Emission From GaN-Based Flip-Chip Green Micro-LEDs. 2019, 40, 1132-1135		6
344	Ten micrometer pixel, quantum dots color conversion layer for high resolution and full color active matrix micro-LED display. 2019, 27, 347-353		47
343	Ultra-High Light Extraction Efficiency and Ultra-Thin Mini-LED Solution by Freeform Surface Chip Scale Package Array. 2019, 9, 202		12
342	Quantum Dots Synthesis Through Direct Laser Patterning: A Review. 2019, 7, 252		18
341	Fabrication and optical properties of regularly arranged GaN-based nanocolumns on Si substrate. 2019, 37, 031207		4
340	Enhanced Light Extraction of Flip-Chip Mini-LEDs with Prism-Structured Sidewall. 2019, 9,		31
339	Prospects and challenges of mini-LED and micro-LED displays. 2019, 27, 387-401		83

338	Assessment and Optimization of the Circadian Performance of Smartphone-Based Virtual Reality Displays. 2019 , 7, 358-367	2
337	Full-color monolithic hybrid quantum dot nanoring micro light-emitting diodes with improved efficiency using atomic layer deposition and nonradiative resonant energy transfer. 2019 , 7, 416	81
336	Micro Light-Emitting Diodes for Display and Flexible Biomedical Applications. 2019 , 29, 1808075	73
335	The Impact of Luminous Properties of Red, Green, and Blue Mini-LEDs on the Color Gamut. 2019 , 66, 2263-2268	18
334	. 2019 ,	
333	Recombination rates in green-yellow InGaN-based multiple quantum wells with AlGaN interlayers. 2019 , 126, 213106	7
332	Broadband Cr , Sn -Doped Oxide Nanophosphors for Infrared Mini Light-Emitting Diodes. 2019 , 58, 2069-2072	60
331	Investigation on Three-Hump Phosphor-Coated White Light-Emitting Diodes for Healthy Lighting by Genetic Algorithm. 2019 , 11, 1-10	9
330	Review Progress in High Performance III-Nitride Micro-Light-Emitting Diodes. 2020 , 9, 015012	63
329	Inverse Photonic crystals enhanced the features of mini-sized quantum dot LEDs. 2020 , 8, 4309-4313	9
328	Optimization of the optical structure of thin direct-lit LED backlights for LCD applications by using micro-LEDs. 2020 , 21, 65-70	1
327	Reactor Technology Concepts for Flow Photochemistry. 2020 , 4, 235-254	41
326	Exploring the Size Limitations of Wurtzite III-V Film Growth. 2020 , 20, 686-693	13
325	Red-Emitting InGaN-Based Nanocolumn Light-Emitting Diodes with Highly Directional Beam Profiles. 2020 , 217, 1900771	3
324	Two-dimensional multicolor (RGBY) integrated nanocolumn micro-LEDs as a fundamental technology of micro-LED display. 2020 , 13, 014003	35
323	Quantum Dot Film Patterning on a Trenched Glass Substrate for Defining Pixel Arrays of a Full-color Mini/Micro-LED Display. 2020 ,	0
322	Directly addressable GaN-based nano-LED arrays: fabrication and electro-optical characterization. 2020 , 6, 88	16
321	37-3: Power consumption of OLED and LED displays. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 528-531	0.5 2

320	Perovskite Quantum Dots for Application in High Color Gamut Backlighting Display of Light-Emitting Diodes. 2020 , 5, 3374-3396		73
319	9-2: Manufacturing Process for Mass Production of Micro-LED Displays and High-Speed and High-Yield Laser Lift-Off Systems. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 100-103	0.5	2
318	17-5: Distinguished Student Paper: Birefringent Light-Shaping Film for Mini-LED Backlights. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 239-242	0.5	
317	23-4: Full Color, Active-Matrix Micro-LED Display with Dual Gate a-IGZO TFT Backplane. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 335-338	0.5	2
316	39-3: Distinguished Student Paper: In-Pixel Temperature Sensor for High-Luminance Active-Matrix Micro-LED Display using LTPO TFTs. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 559-562	0.5	
315	P-1: Development of High-yield Laser Lift-off Process for Micro LED Display. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 1312-1314	0.5	2
314	P-85: Development of High-yield Laser Lift-off Process for Micro LED Display. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 1688-1690	0.5	
313	A brief review of innovative strategies towards structure design of practical electronic display device. 2020 , 27, 1624-1644		4
312	Micrometer scale InGaN green light emitting diodes with ultra-stable operation. 2020 , 117, 011104		11
311	Micro-supercapacitors powered integrated system for flexible electronics. 2020 , 32, 402-417		21
310	Development of High-yield Laser Lift-off Process for Micro LED Display. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 55-57	0.5	
309	Research on a Novel GaN-Based Converted Mini-LED Backlight Module via a Spectrum-Decouple System. 2020 , 1-1		5
308	Damage-Free Plasma Etching to Enhance Performance of AlGaInP-Based Micro-Light Emitting Diode. 2020 , 1-1		2
307	Challenges in Scaling Down of Free-Floating Implantable Neural Interfaces to Millimeter Scale. 2020 , 8, 133295-133320		15
306	The Improvement of Bonding Metal Layers in a GaAs Vertical Structure Light-Emitting Diode Package. 2020 , 49, 6859-6864		
305	7-3: High ESD Robustness and Low Visible Light Reflectance Design for LTPS-TFTs on Glass Substrates in Modular Micro-LED Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 75-78	0.5	
304	Parallel and Decoupled XY Flexible Positioning Platform for Micro LED Panel Repair. 2020 ,		
303	Development of Digital Signage Modules composed of Mini-LEDs using Laser-Assisted Bonding (LAB) Technology. 2020 ,		2

302	Full-Color Realization of Micro-LED Displays. 2020 , 10,		20
301	Micro-LED as a Promising Candidate for High-Speed Visible Light Communication. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7384	2.6	29
300	30-5: Late-News Paper: Glass-based High brightness AMLED using Dual Gate Coplanar a-IGZO TFT. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 440-443	0.5	5
299	YAG:Ce Phosphor: From Micron-Sized Workhorse for General Lighting to a Bright Future on the Nanoscale. 2020 , 120, 13461-13479		17
298	Photoluminescence of Layered Semiconductor Materials for Emission-Color Conversion of Blue Micro Light-Emitting Diode (μ LED). 2020 , 10, 985		
297	Coupled thermoelectrical analysis of highly scaled GaN micro-LEDs with meshed hybrid conductors. 2020 , 35, 075008		1
296	Flow Photochemistry as a Tool in Organic Synthesis. 2020 , 26, 16952-16974		31
295	A discrete core-shell-like micro-light-emitting diode array grown on sapphire nano-membranes. 2020 , 10, 7506		5
294	Micro-light-emitting diodes with quantum dots in display technology. 2020 , 9, 83		181
293	Improving the Leakage Characteristics and Efficiency of GaN-based Micro-Light-Emitting Diode with Optimized Passivation. 2020 , 9, 055001		15
292	Optically Tunable Bifunctional Structures Fabricated by Hybrid Imprint-Photo Lithography (HIPL). 2020 , 5, 2000095		1
291	Electrostatic Field Effect Light-Emitting Diode. 2020 , 12, 1-8		1
290	. 2020 , 67, 2418-2424		1
289	In-pixel temperature sensor for high-luminance active matrix micro-light-emitting diode display using low-temperature polycrystalline silicon and oxide thin-film-transistors. 2020 , 28, 528-534		7
288	Electroluminescence from μ LED without external charge injection. 2020 , 10, 8059		7
287	Inkjet-Printed Quantum Dot Color Conversion Films for High-Resolution and Full-Color Micro Light-Emitting Diode Displays. 2020 , 11, 5184-5191		44
286	Poly(Methyl Methacrylate) Structure Modification through Zn-Cu-In-S / ZnS Quantum Dot Nanocrystals Dispersion. 2020 , 25, 47-54		1
285	Inkjet-Printed Salt-Encapsulated Quantum Dot Film for UV-Based RGB Color-Converted Micro-Light Emitting Diode Displays. 2020 , 12, 33346-33351		24

284	. 2020 , 32, 673-676	6
283	Quantum dot phosphors free from hazardous elements: Current status and prospects for established materials and new ZnTe-based alloys. 2020 , 28, 680-690	1
282	Mini-LED, Micro-LED and OLED displays: present status and future perspectives. 2020 , 9, 105	258
281	RGB Arrays for Micro-Light-Emitting Diode Applications Using Nanoporous GaN Embedded with Quantum Dots. 2020 , 12, 30890-30895	21
280	Multichannel Optical Fiber Spectral and Imaging System for Pixel-Level Measurement of Display. 2020 , 32, 271-274	
279	Unravelling the unwanted Ga incorporation effect on InGaN epilayers grown in CCS MOVPE reactors. 2020 , 536, 125596	2
278	Improved Light Output of AlGaInP-Based Micro-Light Emitting Diode Using Distributed Bragg Reflector. 2020 , 32, 438-441	8
277	High-Performance Color-Converted Full-Color Micro-LED Arrays. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2112	2.6 10
276	Volumetric light-shaping polymer-dispersed liquid crystal films for mini-LED backlights. 2020 , 47, 1458-1463	8
275	High-quality nanodisk of InGaN/GaN MQWs fabricated by neutral-beam-etching and GaN regrowth: towards directional micro-LED in top-down structure. 2020 , 35, 075001	5
274	Improved Performance of Passive-Matrix Micro-LED Displays Using a Multi-Function Passivation Structure. 2020 , 12, 1-11	5
273	High-resolution, full-color quantum dot light-emitting diode display fabricated via photolithography approach. 2020 , 13, 2485-2491	26
272	Narrow-band emitters in LED backlights for liquid-crystal displays. 2020 , 40, 246-265	53
271	High-Bandwidth Green Semipolar (2021) InGaN/GaN Micro Light-Emitting Diodes for Visible Light Communication. 2020 , 7, 2228-2235	44
270	Process Integration and Interconnection Design of Passive-Matrix LED Micro-Displays With 256 Pixel-Per-Inch Resolution. 2020 , 8, 251-255	8
269	Using SiO ₂ -Based Distributed Bragg Reflector to Improve the Performance of AlGaInP-Based Red Micro-Light Emitting Diode. 2020 , 9, 036002	4
268	A new model on recombination dynamics of polar InGaN/GaN MQW LED and IQE measurement. 2020 , 35, 055011	2
267	Design Principle of Reactive Components for Dimethacrylate-Terminated Quantum Dots: Preserved Photoluminescent Quantum Yield, Excellent Pattern Uniformity, and Suppression of Aggregation in the Matrix. 2020 , 221, 1900488	1

266	Monolithic Micro Light-Emitting Diode/Metal Oxide Nanowire Gas Sensor with Microwatt-Level Power Consumption. 2020 , 5, 563-570	46
265	Birefringent light-shaping films for mini-LED backlights. 2020 , 28, 476-482	4
264	Growth, transfer printing and colour conversion techniques towards full-colour micro-LED display. 2020 , 71, 100263	75
263	Exploring a particle-size-reduction strategy of YAG:Ce phosphor via a chemical breakdown method. 2021 , 39, 938-945	4
262	Role of Intrinsic Surface States in Efficiency Attenuation of GaN-Based Micro-Light-Emitting-Diodes. 2021 , 15, 2000487	7
261	Toward 200 Lumens per Watt of Quantum-Dot White-Light-Emitting Diodes by Reducing Reabsorption Loss. 2021 , 15, 550-562	33
260	Monolithic full-color microdisplay using patterned quantum dot photoresist on dual-wavelength LED epilayers. 2021 , 29, 157-165	8
259	Experimental and Modeling Investigations of Miniaturization in InGaN/GaN Light-Emitting Diodes and Performance Enhancement by Micro-Wall Architecture. 2020 , 8, 630050	1
258	Efficiency degradation induced by surface defects-assisted tunneling recombination in GaN/InGaN micro-light-emitting diodes. 2021 , 118, 021105	3
257	Surface-Protected High-Efficiency Nanophosphors via Space-Limited Ship-in-a-Bottle Synthesis for Broadband Near-Infrared Mini-Light-Emitting Diodes. 2021 , 6, 659-664	12
256	Applications of graphene transistor optimized fabrication process in monolithic integrated driving gallium nitride micro-light-emitting diode. 2021 , 70, 197801-197801	0
255	Uniform Illumination Realized by Large Viewing Angle of Gallium Nitride-Based Mini-LED Chip With Translucent Sublayer Pairs. 2021 , 9, 74713-74718	2
254	Laser engineering of carbon materials for optoelectronic applications. 2021 , 293-321	1
253	A review on the low external quantum efficiency and the remedies for GaN-based micro-LEDs. 2021 , 54, 153002	12
252	Quantum-dot-based full-color micro-LED displays. 2021 , 173-201	1
251	From nanoLEDs to the realization of RGB-emitting microLEDs. 2021 , 106, 223-251	3
250	High-Stability Quantum Dot-Converted 3-in-1 Full-Color Mini-Light-Emitting Diodes Passivated With Low-Temperature Atomic Layer Deposition. 2021 , 68, 597-601	3
249	Early defect identification for micro light-emitting diode displays via photoluminescent and cathodoluminescent imaging. 2021 , 29, 264-274	2

248	Eu-doped GaN and InGaN monolithically stacked full-color LEDs with a wide color gamut. 2021 , 14, 031008	15
247	P-12.5: Investigation on AR / VR Displays Based on Novel Micro-LED Technology. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 609-612	0.5 1
246	High Performance Wide Angle DBR Design for Optoelectronic Devices. 2021 , 13, 1-6	2
245	34.4: Applications of Electron Beam Review System for AMOLED Patterning Process Control. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 238-243	0.5
244	Layer-Scale and Chip-Scale Transfer Techniques for Functional Devices and Systems: A Review. 2021 , 11,	6
243	Size-Dependent Quantum Efficiency of Flip-Chip Light-Emitting Diodes at High Current Injection Conditions. 2021 , 8, 88	3
242	Micro-Light Emitting Diode: From Chips to Applications. 2021 , 15, 2000133	31
241	Phosphor-free microLEDs with ultrafast and broadband features for visible light communications. 2021 , 9, 452	1
240	Nanoantenna-Enhanced Light-Emitting Diodes: Fundamental and Recent Progress. 2021 , 15, 2000367	4
239	Investigation on many-body effects in micro-LEDs under ultra-high injection levels. 2021 , 29, 13219-13230	2
238	Nanoscale Dopant Profiling of Individual Semiconductor Wires by Capacitance-Voltage Measurement. 2021 , 21, 3372-3378	1
237	13 GHz E-O bandwidth GaN-based micro-LED for multi-gigabit visible light communication. 2021 , 9, 792	19
236	Transfer-printed, tandem microscale light-emitting diodes for full-color displays. 2021 , 118,	7
235	GaN-based pyramidal quantum structures for micro-size light-emitting diode applications. 2021 , 118, 142102	0
234	AlGaInP-based Micro-LED array with enhanced optoelectrical properties. 2021 , 114, 110860	9
233	Microfluidics-based quantum dot color conversion layers for full-color micro-LED display. 2021 , 118, 173501	6
232	Investigation of InGaN-based red/green micro-light-emitting diodes. 2021 , 46, 1912-1915	19
231	Monolithically Integrated LEDs/HEMTs Microdisplay on a Single Chip by a Direct Epitaxial Approach. 2021 , 6, 2100214	2

230	71-2: Enabling Processes and Designs for Tight-Pitch Micro-LED based Stretchable Display. <i>Digest of Technical Papers SID International Symposium, 2021, 52, 1056-1059</i>	0.5	2
229	. 2021, 68, 2818-2822		6
228	Enhanced efficiency of top-emission InP-based green quantum dot light-emitting diodes with optimized angular distribution. 2021, 14, 4243		6
227	Development of simultaneous transferring and bonding (SITRAB) process for μ LED arrays using Anisotropic Solder Paste (ASP) and Laser-Assisted Bonding (LAB) Technology. 2021,		
226	Flexoelectric Effect Based Light Waveguide Liquid Crystal Display for Transparent Display.		3
225	Designs of InGaN Micro-LED Structure for Improving Quantum Efficiency at Low Current Density. 2021, 16, 99		9
224	Monolithic Thin Film Red LED Active-Matrix Micro-Display by Flip-Chip Technology. 2021, 33, 603-606		2
223	Simultaneous Transfer and Bonding (SITRAB) Process for Micro-LEDs Using Laser-Assisted Bonding with Compression (LABC) Process and SITRAB Adhesive. 2021,		0
222	Increase in the Efficiency of III-Nitride Micro-LEDs: Atomic-Layer Deposition and Etching. 2021, 15, 18-34		6
221	Pixel crosstalk in naked-eye micro-LED 3D display. 2021, 60, 5977-5983		2
220	Ultrathin, Flexible, and Transparent Oxide Thin-Film Transistors by Delamination and Transfer Methods for Deformable Displays. 2100431		0
219	Demonstration of high wall-plug efficiency III-nitride micro-light-emitting diodes with MOCVD-grown tunnel junction contacts using chemical treatments. 2021, 14, 086502		8
218	Magnetically Driven Non-Contact Transfer Printing Based on a Bi-Stable Elastomeric Stamp. 2021, 6, 2100335		2
217	Solution-processed top-contact electrodes strategy for organic crystalline field-effect transistor arrays. 1		2
216	Structural design and performance improvement of flip-chip AlGaInP mini light-emitting diodes. 2021, 36, 095008		4
215	Exploring superlattice DBR effect on a micro-LED as an electron blocking layer. 2021, 29, 26255-26264		3
214	A review on GaN-based two-terminal devices grown on Si substrates. 2021, 869, 159214		5
213	Organic color-conversion media for full-color micro-LED displays.		1

212	Review of Capacitive Touchscreen Technologies: Overview, Research Trends, and Machine Learning Approaches. 2021 , 21,		3
211	Monolithic Multi-Color Tunable Inorganic Light-Emitting Diodes. 2100598		3
210	P-10.2: Printable Quantum-dots Photopolymers as Color-conversion Layers for Micro-LED Displays. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 955-958	0.5	
209	50.1: Invited Paper: Organic Thin-Film Transistors with Mobility of $3\text{cm}^2/\text{Vs}$ at $L=5\mu\text{m}$ and a Process Temperature of 80 Degrees Celsius. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 604-607	0.5	
208	19.4: Pixel-Level Color Measurement Used for MicroLED Inspection Based on Imaging Spectrometer. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 266-269	0.5	
207	High-efficiency green micro-LEDs with GaN tunnel junctions grown hybrid by PA-MBE and MOCVD. 2021 , 9, 1683		2
206	En Route to Wide Area Emitting Organic Light-Emitting Transistors for Intrinsic Drive-Integrated Display Applications: A Comprehensive Review. 2021 , 31, 2105506		3
205	A highly stable full-color display device with VLC application potential using semipolar micro-LEDs and all-inorganic encapsulated perovskite nanocrystal.		7
204	InGaN-based red light-emitting diodes: from traditional to micro-LEDs.		3
203	53.1: Full-Color Micro-LED Display based on MOCVD Growth of Two Types of InGaN/GaN MQWs. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 629-629	0.5	
202	P-6.2: A Study on Micro-LED Selective Repair Technology for Mass Production Purpose. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 839-840	0.5	1
201	25.3: A Fine Correction Method for Improving the Full Grayscale Uniformity of Mini-LED Display. <i>Digest of Technical Papers SID International Symposium, 2021</i> , 52, 335-338	0.5	
200	Emerging Applications of LEDs. 2021 , 189-212		
199	Computational Analysis of Novel High Performance Optically Controlled RF Switches for Reconfigurable Millimeterwave-to-THz Circuits.		0
198	Mini-LEDs with Diffuse Reflection Cavity Arrays and Quantum Dot Film for Thin, Large-Area, High-Luminance Flat Light Source. 2021 , 11,		4
197	Ultrafast machine vision with artificial neural network devices based on a GaN-based micro-LED array. 2021 , 29, 31963-31973		1
196	Stacked GaN/AlN last quantum barrier for high-efficiency InGaN-based green light-emitting diodes. 2021 , 46, 4593-4596		4
195	First report of energy transfer from uranyl to Mn^{4+} in $\text{K}_3(\text{UO}_2)\text{F}_5:\text{Mn}^{4+}$. 2021 , 237, 118085		0

194	Artificially formed resistive ITO/p-GaN junction to suppress the current spreading and decrease the surface recombination for GaN-based micro-light emitting diodes. 2021 , 29, 31201-31211	5
193	Micro-LED backlight module by deep reinforcement learning and micro-macro-hybrid environment control agent.	2
192	Plasmonic Nanoparticle Lattice Devices for White-Light Lasing. 2021 , e2103262	3
191	Monolithic integration of multicolor InGaN LEDs with uniform luminescence emission. 2021 , 29, 32826-32832	1
190	Efficiency Boosting by Thermal Harvesting in InGaN/GaN Light-Emitting Diodes. 2021 , 9,	1
189	Processing and Characterization of Monolithic Passive-Matrix GaN-Based MicroLED Arrays With Pixel Sizes From 5 to 50 μm . 2021 , 13, 1-9	1
188	Characteristics of Micro-Size Light-Emitting Diode With Pentagon-Type Structure. 2021 , 33, 1077-1080	0
187	3D quantum dot-lens fabricated by stereolithographic printing with in-situ UV curing for lighting and displays. 2021 , 226, 109350	1
186	Mass transfer for Micro-LED display: Transfer printing techniques. 2021 , 106, 253-280	1
185	Recent developments of quantum dot based micro-LED based on non-radiative energy transfer mechanism. 2021 , 4, 21002201-21002215	2
184	MicroLED technologies and applications: characteristics, fabrication, progress, and challenges. 2021 , 54, 123001	32
183	44-2: Invited Paper: More than microLEDs: Mass Transfer of Pixel Engines for Emissive Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 642-645	0.5 6
182	Scattering Nanoparticles-Induced Reflection Effect for Enhancing Optical Efficiency of Inverted Quantum Dots-Light-Emitting Diodes Combined With the Centrifugation Technique. 2021 , 143,	3
181	Advanced solutions for high-performance GaN MicroLED displays. 2019 ,	1
180	High-performance nanowire ultraviolet light-emitting diodes with potassium hydroxide and ammonium sulfide surface passivation. 2020 , 59, 7352-7356	5
179	Impact of the surface recombination on InGaN/GaN-based blue micro-light emitting diodes. 2019 , 27, A643-A653	58
178	Projection lithography patterned high-resolution quantum dots/thiol-ene photo-polymer pixels for color down conversion. 2019 , 27, 30864-30874	10
177	Interlayer doping with p-type dopant for charge balance in indium phosphide (InP)-based quantum dot light-emitting diodes. 2019 , 27, A1287-A1296	17

176	Angular color variation in micron-scale light-emitting diode arrays. 2019 , 27, A1308-A1323	15
175	Enhanced injection efficiency and light output in bottom tunnel-junction light-emitting diodes. 2020 , 28, 4489-4500	12
174	Improved performance of AlGaInP red micro-light-emitting diodes with sidewall treatments. 2020 , 28, 5787-5793	57
173	Gigabit per second visible light communication based on AlGaInP red micro-LED micro-transfer printed onto diamond and glass. 2020 , 28, 12149-12156	11
172	Size-independent low voltage of InGaN micro-light-emitting diodes with epitaxial tunnel junctions using selective area growth by metalorganic chemical vapor deposition. 2020 , 28, 18707-18712	20
171	Vertically stacked RGB LEDs with optimized distributed Bragg reflectors. 2020 , 45, 6671-6674	3
170	Full-color micro-LED display with high color stability using semipolar (20-21) InGaN LEDs and quantum-dot photoresist. 2020 , 8, 630	52
169	Efficient emission of InGaN-based light-emitting diodes: toward orange and red. 2020 , 8, 1671	44
168	Software controlling the LED bar graph displays. 2020 , 23, 329-335	4
167	Design of Low-Glared LED Rear Light of Automotive for EU ECE Regulation by Use of Optimized Micro-Prisms Array. 2020 , 10, 63	1
166	Display Characteristics and Their Impact on Digital Pathology: A Current Review of Pathologists' Future "Microscope". 2020 , 11, 23	11
165	Evaluation and Reduction of Optical Crosstalk in Quantum Dot Color-Converted Mini/Micro-LED Displays. 2021 ,	
164	Dual-Input Pseudo-CMOS Logic for Digital Applications on Flexible Substrates. 2021 ,	
163	Fuzzy Tuning Algorithm for Feedforward Parameter Based on IC Package for Mass Transfer of Micro-LED Equipment XY Motion Platform. 2021 ,	0
162	High-Uniform and High-Efficient Color Conversion Nanoporous GaN-Based Micro-LED Display with Embedded Quantum Dots. 2021 , 11,	4
161	Highly Reflective Thin-Film Optimization for Full-Angle Micro-LEDs. 2021 , 16, 152	0
160	Sensorless LED display screen interaction and object recognition.	1
159	Critical aspects of AlGaInP-based LED design and operation revealed by full electrical-thermal-optical simulations. 2021 , 29, 35792-35805	3

158	High efficiency InGaN nanowire tunnel junction green micro-LEDs. 2021 , 119, 141110	6
157	III-Nitride Light-Emitting Devices. 2021 , 8, 430	2
156	Optical and electrical characterizations of micro-LEDs grown on lower defect density epitaxial layers. 2021 , 119, 142103	2
155	Emerging high-dynamic-range mini-LED displays. 2019 ,	
154	GaN monolithic integration for lighting and display. 2019 ,	
153	Red emission carbon dots for microLED application. 2019 ,	
152	The photonic properties of micro/mini LED arrays with different substrate thickness. 2020 ,	
151	Improving the -3 dB bandwidth of micro-size LEDs through p-electrode patterns for visible light communication. 2020 , 59, 7004-7011	3
150	Investigation of Micromorphology and Carrier Recombination Dynamics for InGaN/GaN Multi-Quantum Dots Grown by Molecular Beam Epitaxy. 2021 , 11, 1312	2
149	Monolithic RGB Micro-Light-Emitting Diodes Fabricated with Quantum Dots Embedded inside Nanoporous GaN.	1
148	A review of key technologies for epitaxy and chip process of micro light-emitting diodes in display application. 2020 , 69, 198501	1
147	Pixelated Microsized Quantum Dot Arrays Using Surface-Tension-Induced Flow. 2021 , 13, 51718-51725	
146	High Performance AlGaInP-Based Micro-LED Displays With Novel Pixel Structures. 2021 , 33, 1375-1378	3
145	Effects of activation method and temperature to III-nitride micro-light-emitting diodes with tunnel junction contacts grown by metalorganic chemical vapor deposition. 2021 , 119, 202102	3
144	On the mechanism of carrier recombination in downsized blue micro-LEDs. 2021 , 11, 22788	1
143	Effect of atmospheric plasma and rubbing coprocessing on liquid crystal alignment on a polyimide layer. 2021 , 122, 111759	0
142	Enhanced performance of GaN-based visible flip-chip mini-LEDs with highly reflective full-angle distributed Bragg reflectors. 2021 , 29, 42276	0
141	A near infrared-II broad emission material with multi-spectral excitation and long persistent luminescence properties. 2021 , 9, 16022-16032	5

140	Flexible and Stretchable Micro-LED Display. 2021 , 141-160		
139	Transfer Technology of Micro-LEDs for Display Applications. 2021 , 55-83		
138	Bright red emission with high color purity from Eu(III) complexes with π -conjugated polycyclic aromatic ligands and their sensing applications.. 2021 , 12, 810-821		2
137	Achieving Wide Operating Voltage Windows in Non-Carrier Injection Micro-LEDs for Enhancing Luminance Robustness. 2022 , 69, 212-215		1
136	Low-voltage-driven liquid crystal scattering-controllable device based on defects from rapidly varying boundary.. 2022 , 47, 957-960		1
135	Water Soluble CdTe Quantum Dots and their Laser Reverse Patterning in Polyvinyl Alcohol Films. 2021 ,		
134	Numerical Study on the Light Extraction Efficiency and Angular Energy Distribution of Micro-LEDs. 2021 ,		
133	Analysis of Package Factors Affecting the Light Output Efficiency of Quantum Dots-Based Micro-LEDs. 2021 ,		
132	Effect of current on the inhomogeneous light emission from AlGaInP-based flip-chip red mini-LEDs. 2022 , 1-1		3
131	Performance Comparison between Mini-LED Backlit LCD and OLED Display for 15.6-Inch Notebook Computers. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1239	2.6	0
130	Enhancement of Luminous Intensity Emission from Incoherent LED Light Sources within the Detection Angle of 10° Using Metalenses.. 2022 , 12,		0
129	N-polar InGaN nanowires: breaking the efficiency bottleneck of nano and micro LEDs. 2022 , 10, 587		8
128	Tripling light conversion efficiency of LED displays by light recycling black matrix. 2022 , 1-1		1
127	Monolithically integrated green-to-orange color InGaN-based nanocolumn photonic crystal LEDs with directional radiation beam profiles. 2022 , 15, 022013		1
126	Gradients in Three-Dimensional Core-Shell GaN/InGaN Structures: Optimization and Physical Limitations.. 2022 ,		1
125	Relationship between the anti-blue hazard mode and color gamut of display devices. 2022 ,		
124	AM Mini-LED Backlight Driving Circuit Using PWM Method With Power-Saving Mechanism. 2022 , 10, 256-262		1
123	III-Nitride Nanostructures for High Efficiency Micro-LEDs and Ultraviolet Optoelectronics. 2022 , 1-1		2

122	Application of patterned sapphire substrate for III-nitride light-emitting diodes.. 2022,	7
121	Elucidation of the excitation mechanism of Tb ions doped in Al _x Ga _{1-x} N grown by OMVPE toward a wavelength-stable green emitter. 2022, 131, 073102	1
120	Mini-LED Backlight Technology Progress for Liquid Crystal Display. 2022, 12, 313	1
119	Study of the Factors Limiting the Efficiency of Vertical-Type Nitride- and AlInGaP-Based Quantum-Well Micro-LEDs. 2022, 10, 489	
118	Understanding the Sidewall Passivation Effects in AlGaInP/GaInP Micro-LED.. 2022, 17, 29	0
117	Emission color modulation of InGaN/GaN multiple quantum wells by selective area metalorganic vapor phase epitaxy on hexagonal windows. 2022, 61, 030904	
116	Real-Time Receive-Forward NLOS Visible Light Communication System Based on Multiple Blue Micro-LED Nodes. 2022, 9, 211	0
115	Recent Advances in Packaging Technologies of AlGaInP-Based Deep Ultraviolet Light-Emitting Diodes. 2101502	2
114	Three Millennia of Nanocrystals.. 2022,	8
113	Pulsed Sputtering Preparation of InGaN Multi-Color Cascaded LED Stacks for Large-Area Monolithic Integration of RGB LED Pixels. 2022, 12, 499	2
112	2.805 Gbit/s high-bandwidth phosphor white light visible light communication utilizing InGaN/GaN semipolar blue micro-LED.	3
111	Quantum dot-integrated GaN light-emitting diodes with resolution beyond the retinal limit.. 2022, 13, 1862	3
110	Recent Progress in Micro-LED-Based Display Technologies. 2100427	6
109	Highly reliable anisotropic interconnection system fabricated using Cu/Sn-Soldered microdumbbell arrays and polyimide films for application to flexible electronics. 2022, 144, 107535	
108	Investigation of Enhanced Ambient Contrast Ratio in Novel Micro/Mini-LED Displays.. 2021, 11,	1
107	All-Inorganic Quantum Dot Nanocomposite for On-Chip LED Application. 2021,	
106	Improved electrical performance of solution-processed zinc oxide-based thin-film transistors with bilayer structures. 2022, 23, 105-113	1
105	Comparison of Chromium- and Aluminum-Gated Nanocrystalline Silicon TFTs. 2021, 68, 6182-6189	

104	A High Voltage Driving Chiplet in Standard 0.18- μm CMOS for Micro-Pixelated LED Displays Integrated with LTPS TFTs. 2022 , 1-1		0
103	Red and Green Quantum Dot Color Filter for Full-Color Micro-LED Arrays.. 2022 , 13,		2
102	Improving Mini-LED Pattern Quality by Using Distributed Bragg Reflector and Digital Twin Technology. 2022 , 12, 529		
101	Increase in the efficiency of III-nitride micro LEDs by atomic layer deposition. 2022 , 30, 18552		2
100	Evolution of optical wireless communication for B5G/6G. 2022 , 100398		5
99	Influence of wafer quality on chip size-dependent efficiency variation in blue and green micro light-emitting diodes.. 2022 , 12, 7955		1
98	High Luminous Efficacy Phosphor-Converted Mass-Produced White LEDs Achieved by AlN Prebuffer and Transitional-Refraction-Index Patterned Sapphire Substrate. 2022 , 12, 1638		
97	Wide-spectrum and high-homogeneity InGaN tunnel-junction light-emitting diode stacked by two unit light-emitting diodes. 2022 , 207202		
96	Self-Assembled Size-Tunable Microlight-Emitting Diodes Using Multiple Sapphire Nanomembranes.		0
95	A Novel Compliant 2-DOF Ejector Pin Mechanism for the Mass Transfer of Robotic Mini-LED Chips. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5423	2.6	0
94	Ion implantation of tunnel junction as a method for defining the aperture of III-nitride-based micro-light-emitting diodes.		0
93	Deep learning-enabled image content-adaptive field sequential color LCDs with mini-LED backlight. 2022 , 30, 21044		0
92	Advanced liquid crystal devices for augmented reality and virtual reality displays: principles and applications. 2022 , 11,		14
91	Competition between Heating and Cooling during Dynamic Self-Heating Degradation of Amorphous InGaZnO Thin-Film Transistors. 2022 , 108393		0
90	Full-color micro-display by heterogeneous integration of InGaN blue/green dual-wavelength and AlGaInP red LEDs.		0
89	An overview on the principle of inkjet printing technique and its application in micro-display for augmented/virtual realities. 2022 , 5, 210123-210123		2
88	Improving the efficiency of micro-LEDs at high current densities employing a micro-current spreading layer-confined structure. 2022 , 128,		
87	III-Nitride Nanostructures: Emerging Applications for Micro-LEDs, Ultraviolet Photonics, Quantum Optoelectronics, and Artificial Photosynthesis. 2022 , 100401		5

86	Progress of Backlight Devices: Emergence of Halide Perovskite Quantum Dots/Nanomaterials. 4,		0
85	Micro-LED with red-green-blue super-pixel integration for simultaneous display and optical near field communication. 2022 , 30, 24889		
84	Uniformity and Stability of Quantum Dot Pixels Evaluated by Microscale Fluorescence Spectroscopy. 2100699		0
83	Study of EU ECE Light Shaping Diffuser with high efficiency and uniformity for automotives. 2022 , 265, 169487		
82	Design of inclined omni-directional reflector for sidewall-emission-free micro-scale light-emitting diodes. 2022 , 154, 108335		4
81	Novel Micro-LED Display Featuring Fingerprint Recognition without Additional Sensors. 2022 , 1-1		
80	Novel Active-Matrix Micro-LED Display with External Compensation Featuring Fingerprint Recognition. 2022 , 1-1		
79	Room-Temperature Cu Direct Bonding Technology Enabling 3D Integration with Micro-LEDs. 2022 ,		2
78	Mass transfer, detection and repair technologies in micro-LED displays. 2022 , 65, 2128-2153		0
77	39-4: High-Performance MicroLED Transparent Display. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 497-500	0.5	
76	50-1: Invited Paper: Designs and Manufacturing Processes for microLED Displays in Handsets, Smartwatches, and Personal Computers.. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 644-647	0.5	1
75	P-78: Atomic-scale sidewall passivation for microLED devices. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 1331-1334	0.5	
74	P-75: Student Poster: MicroLED Pixel Circuit Capable of Always on Display Mode Operation for Mobile and Wearable Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 1320-1323	0.5	
73	74-4: Development of Flexible Full-Color Mini-LED Display Using Simultaneous Transfer and Bonding (SITRAB) Technology. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 1005-1008	0.5	0
72	Microdisk-Type Multicolor Semipolar Nitride-Based Light-Emitting Diodes. <i>ACS Applied Nano Materials</i> , 2022 , 5, 9334-9343	5.6	1
71	Progress in Color Conversion Technology for Micro-LED. 2200632		
70	An effective and flexible method for improving the full grayscale uniformity of mini-LED display.		0
69	Technology and Applications of Micro-LEDs: Their Characteristics, Fabrication, Advancement, and Challenges.		1

68	LED-pumped intense red luminescence based on Ba ₂ LaTaO ₆ : Mn ⁴⁺ double perovskite phosphor. 2022,	0
67	Top-Emitting Active-Matrix Quantum Dot Light-Emitting Diode Array with Optical Microcavity for Micro QLED Display. 2022, 12, 2683	1
66	Fast fabrication of a light-scattering polycarbonate with high transmittance, high haze, and excellent flame-retardant performance.	0
65	Improved Modulation Bandwidth of Blue Mini-LEDs by Atomic-Layer Deposition Sidewall Passivation. 2022, 69, 4936-4943	2
64	Application of quantum dots in light-emitting diodes. 2023, 205-244	0
63	Explore Luminance Attenuation and Optical Crosstalk of RGB Mini Light-Emitting Diode Via Microscopic Hyperspectral Imaging. 2022, 1-1	0
62	PixelEngine™ All-in-One: a Printable Pixel-Driver MicroIC with Three-Dimensionally Integrated Red, Green, and Blue MicroLEDs. 2022, 1-11	0
61	Luminescent MOFs (LMOFs): recent advancement towards a greener WLED technology. 2022, 58, 10768-10788	0
60	Effect of Parabolic Quantum Well on Internal Quantum Efficiency of InGaN/GaN based Micro-LED at low current density. 2022,	0
59	Refined Test and Evaluation Method of Side Viewing Angle of LED Display Module. 2022, 12, 9177	0
58	Efficiency improvement of GaN-based micro-light-emitting diodes embedded with Ag NPs into a periodic arrangement of nano-hole channel structure by ultra close range localized surface plasmon coupling. 2022, 33, 495202	1
57	Recent Advancements in GaN LED Technology.	0
56	Flexible GaN-based microscale light-emitting diodes with a batch transfer by wet etching. 2022, 47, 5052	1
55	Fully GaN monolithic integrated LED-on-BJT device drivable with small current signals and its frequency response characteristic: A modeling and simulation study.	0
54	Excitation-dependent spatially resolved photoluminescence in InGaN/GaN LEDs with air-cavity arrays grown on patterned sapphire substrates.	0
53	Superlattice-Induced Variations in Morphological and Emission Properties of GaInN/GaN Multiquantum Nanowire-Based Micro-LEDs.	0
52	53.1: Invited Paper: Process optimization of passive matrix GaN Micro-LED displays. 2022, 53, 515-519	0
51	16.4: Bandwidth effect correction used for wide color gamut display measurement. 2022, 53, 185-190	0

50	Monolithically Integrated High-resolution Full-color GaN-on-Si Micro-LED Micro-display.	0
49	A polarization mismatched p-GaN/p-Al _{0.25} Ga _{0.75} N/p-GaN structure to improve the hole injection for GaN based micro-LED with secondary etched mesa.	0
48	InGaN micro-light-emitting diodes monolithically grown on Si: achieving ultra-stable operation through polarization and strain engineering. 2022 , 11,	2
47	Origin of the Inhomogeneous Electroluminescence of GaN-Based Green Mini-LEDs Unveiled by Microscopic Hyperspectral Imaging.	1
46	27.3: A Novel Hybrid Driving Method for Mini/Micro LED Display. 2022 , 53, 314-317	0
45	53.3: Atomic-scale sidewall passivation for microLED devices. 2022 , 53, 521-524	0
44	Inkjet Printed Quantum Dots Color Conversion Layers for Full-Color Micro-LED Displays.	1
43	Localized Surface Plasmon Coupling Nanorods with Graphene as a Transparent Conductive Electrode for Micro Light-Emitting Diodes. 2022 , 1-1	0
42	Self-array of one-dimensional GaN nanorods using the electric field on dielectrophoresis for photonic emitters of display pixel.	0
41	Hybrid electroluminescent devices composed of (In,Ga)N micro-LEDs and monolayers of transition metal dichalcogenides.	0
40	Design and Analysis of a Novel Continuous Ejector Pin Mechanism for Mini-LED Mass Transfer. 2022 , ,	0
39	Luminescence Efficiency Improvement of Small-size Micro Light-emitting Diodes by Digital Etching Technology.	0
38	Laser-Based Micro/Nano-Processing Techniques for Microscale LEDs and Full-Color Displays. 2200949	0
37	Crystal defect induced zero thermal quenching $\text{BaNaYF}_4: \text{Eu}^{3+}, \text{Sm}^{3+}$ red-emitting phosphor. 2022 , 13, 534-546	0
36	Gallium Nitride Blue/Green Micro-LEDs for High Brightness and Transparency Display. 2022 , 1-1	0
35	Improvement of the Emission Intensity of GaN-Based Micro-Light Emitting Diodes by a Suspended Structure. 2022 , 9, 3967-3973	1
34	Near-Infrared Windows I and II Phosphors for Theranostic Applications: Spectroscopy, Bioimaging, and Light-Emitting Diode Photobiomodulation. 2202061	0
33	Improved Optical and Electrical Characteristics of GaN-Based Micro-LEDs by Optimized Sidewall Passivation. 2023 , 14, 10	0

32	Simulation of Far-Field Light Distribution of Micro-LED Based on Its Structural Parameters. 2022 , 15, 8854	0
31	Design of quantum-dot color conversion film for mini-LED backlights. 2022 ,	0
30	High-resolution maskless patterning of AgNWs based on adhesion enhancement of a printed conductive polymer. 2022 , 7, 045009	1
29	Red-Green-Blue Mini-LEDs Lighting Design with High Uniformity under Thin Form Factor. 2022 , 12, 1815	0
28	PMMA Optical Diffusers with Hierarchical Surface Structures Imprinted by Hot Embossing of Laser-Textured Stainless Steel. 2202091	1
27	Flexible micro-LED display and its application in Gbps multi-channel visible light communication. 2022 , 6,	0
26	Highly Effective Transfer of Micro-LED Pixels to Intermediate and Rigid Substrate with Weak and Tunable Adhesion by Thiol Modification.	0
25	Boosted Ambient Contrast Ratio of Light-Emitting Diode Display Devices With High Light Output Using a Laminated Interlaced Microgroove Janus Structure. 2022 , 1-7	0
24	Manufacturing a High-Transmittance Quantum-Dot Pixel Frame using Magnetic Field and Vibration Field Composite Stamping. 2023 , 117873	0
23	Integration Technology of Micro-LED for Next-generation Display.	0
22	Crosstalk-Free Mesa-Etched Passive-Matrix Microscale Light-Emitting Diode Array Using Yttrium-Iron Garnet P-Type Resistive-Switching Electrodes. 2202160	0
21	Structural, Optical, and Electrical Characterization of 643 nm Red InGaN Multiquantum Wells Grown on Strain-Relaxed InGaN Templates. 2200286	0
20	Electrically Driven Sub-Micron Light-Emitting Diode Arrays Using Maskless and Etching-Free Pixelation. 2206945	0
19	Synthesis, characterization, and applications of luminescent semiconductor quantum dots. 2023 , 287-304	0
18	Red emission from InGaN active layer grown on nanoscale InGaN pseudosubstrates.	0
17	Zero-Optical-Distance Mini-LED Backlight with Cone-Shaped Light Coupling Microstructures. 2023 , 13, 241	0
16	A Compact Amorphous In-Ga-Zn-Oxide Thin Film Transistor Pixel Circuit With Two Capacitors for Active Matrix Micro Light-Emitting Diode Displays. 2023 , 11, 204-209	0
15	Bit Depth of Drivers for Micro-LED Displays Adopting Low-Temperature Polysilicon Oxide Thin-Film Transistors. 2023 , 11, 161-166	0

- 14 Recombination Rate Analysis of InGaN-Based Red-Emitting Light-Emitting Diodes. **2023**, 59, 1-9 ○
- 13 Investigation on the Optical Properties of Micro-LEDs Based on InGaN Quantum Dots Grown by Molecular Beam Epitaxy. **2023**, 13, 1346 ○
- 12 Unveiling light collection and pump enhancement from quantum wells with plasmonic metasurfaces using power dependent measurements. **2023**, 5, 025001 ○
- 11 Intrinsic imperfect and zero thermal quenching property for a novel $\text{NaYF}_4:\text{Eu}^{3+},\text{Tb}^{3+}$ red-light emitting phosphor for NUV LEDs. **2023**, 940, 168923 ○
- 10 Monolithic Multicolor Emissions of InGaN-Based Hybrid Light-Emitting Diodes Using CsPbBr_3 Green Quantum Dots. **2023**, 16, 1290 ○
- 9 Significant improvement of green light emission efficiency of InGaN/GaN quantum wells by depositing oxide thin films and ultraviolet light irradiations. ○
- 8 Investigations of Sidewall Passivation Using the Sol-Gel Method on the Optoelectronic Performance for Blue InGaN Micro-LEDs. **2023**, 14, 566 ○
- 7 High-performance warm white LED based on thermally stable all inorganic perovskite quantum dots. **2023**, 6, 230022-230022 ○
- 6 Simulation Study on the Size Effect and Transient Characteristics of Micro-LEDs. **2023**, ○
- 5 Strategically constructed high-reflectivity multiple-stack distributed Bragg reflectors for efficient GaN-based flip-chip mini-LEDs. **2023**, 56, 254003 ○
- 4 All-inorganic lead halide perovskite nanocrystals applied in advanced display devices. ○
- 3 High-Efficiency InGaN Red Mini-LEDs on Sapphire Toward Full-Color Nitride Displays: Effect of Strain Modulation. ○
- 2 Promising Candidature of OLEDs, Mini LEDs & Micro LEDs in the realm of AR/VR applications. **2022**, ○
- 1 Effects of chirped barrier thickness on InGaN/GaN and InGaN/InGaN MQW LEDs. ○