

# Guanjun Tan

## List of Publications by Year in descending order

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40  
papers

540  
citations

840119

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h-index

642321

23  
g-index

40  
all docs

40  
docs citations

40  
times ranked

510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects and challenges of mini-LED and micro-LED displays. Journal of the Society for Information Display, 2019, 27, 387-401.	0.8	165
2	Optimized blue-phase liquid crystal for field-sequential-color displays. Optical Materials Express, 2017, 7, 641.	1.6	66
3	A Low Voltage Liquid Crystal Phase Grating with Switchable Diffraction Angles. Scientific Reports, 2017, 7, 39923.	1.6	51
4	High performance color-converted micro-LED displays. Journal of the Society for Information Display, 2019, 27, 199-206.	0.8	45
5	Compact see-through near-eye display with depth adaption. Journal of the Society for Information Display, 2018, 26, 64-70.	0.8	41
6	Review on polymer-stabilized short-pitch cholesteric liquid crystal displays. Journal Physics D: Applied Physics, 2017, 50, 493001.	1.3	24
7	High-ambient-contrast augmented reality with a tunable transmittance liquid crystal film and a functional reflective polarizer. Journal of the Society for Information Display, 2016, 24, 229-233.	0.8	19
8	Macroscopic model for analyzing the electro-optics of uniform lying helix cholesteric liquid crystals. Journal of Applied Physics, 2017, 121, .	1.1	17
9	Light diffusing, down-converting perovskite-on-polymer microspheres. Journal of Materials Chemistry C, 2019, 7, 6527-6533.	2.7	15
10	High-efficiency switchable optical elements for advanced head-up displays. Journal of the Society for Information Display, 2019, 27, 223-231.	0.8	15
11	72: Switchable Lens based on Cycloidal Diffractive Waveplate for AR and VR Applications. Digest of Technical Papers SID International Symposium, 2017, 48, 1061-1064.	0.1	13
12	A semi-empirical equation for the response time of in-plane switching liquid crystal display and measurement of twist elastic constant. Journal of Applied Physics, 2015, 117, .	1.1	10
13	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
14	41: Mini-LED Enhanced LCD for High Dynamic Range Displays. Digest of Technical Papers SID International Symposium, 2019, 50, 569-572.	0.1	8
15	Dielectric broadband meta-vector-polarizers based on nematic liquid crystal. APL Photonics, 2017, 2, .	3.0	7
16	74: Invited Paper: Can LCDs Outperform OLED Displays in Ambient Contrast Ratio?. Digest of Technical Papers SID International Symposium, 2018, 49, 981-984.	0.1	6
17	18: Converting Light Diffusing Polymer Powders into Stable Perovskite-Based Tunable Downconverters. Digest of Technical Papers SID International Symposium, 2018, 49, 222-224.	0.1	5
18	Design and Simulation of Low Circadian Action Micro-LED Displays with Four Primary Colors. Crystals, 2020, 10, 383.	1.0	4

#	ARTICLE	IF	CITATIONS
19	P-183: Multi-angle Beam Steering for Head-Mounted Displays. Digest of Technical Papers SID International Symposium, 2016, 47, 1826-1829.	0.1	2
20	34â€4: Figure of Merit for Optimizing the Performance of Uniform Lying Helix Cholesteric Liquid Crystals. Digest of Technical Papers SID International Symposium, 2017, 48, 490-493.	0.1	2
21	34â€3: New Blueâ€Phase Liquid Crystal Optimized for Colorâ€Sequential Displays. Digest of Technical Papers SID International Symposium, 2017, 48, 486-489.	0.1	2
22	33â€3: Systematic Optimization for Achieving Indistinguishable Color Shift of RGB OLED Displays. Digest of Technical Papers SID International Symposium, 2018, 49, 418-421.	0.1	2
23	79â€2: <i>Distinguished Student Paper:</i> Compact Seeâ€through Nearâ€Eye Display with Depth Adaption. Digest of Technical Papers SID International Symposium, 2018, 49, 1060-1063.	0.1	2
24	4â€2: Distinguished Student Paper: High Efficiency Colorâ€Converted Microâ€LED Displays. Digest of Technical Papers SID International Symposium, 2019, 50, 22-25.	0.1	2
25	79â€2: Ambient Light Excitation in Quantumâ€Dotâ€Converted MicroLED Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 1174-1177.	0.1	2
26	P-145: A New Single-Cell Measurement Method for Determining the Twist Elastic Constant of Liquid Crystals. Digest of Technical Papers SID International Symposium, 2016, 47, 1674-1678.	0.1	1
27	75-4:<i>Distinguished Student Paper</i>: A High-Ambient-Contrast Augmented Reality System. Digest of Technical Papers SID International Symposium, 2016, 47, 1025-1028.	0.1	1
28	40â€4: Mothâ€Eye Antiâ€reflection Surface for Sunlight Readable Flexible Displays. Digest of Technical Papers SID International Symposium, 2017, 48, 574-577.	0.1	1
29	Pâ€145: Submillisecond Grayscale Response Time of a Uniform Lying Helix Liquid Crystal. Digest of Technical Papers SID International Symposium, 2017, 48, 1822-1825.	0.1	1
30	45â€3: Fourâ€Plane Nearâ€Eye Display without Sacrificing the Frame Rate. Digest of Technical Papers SID International Symposium, 2019, 50, 620-623.	0.1	1
31	P-101: High Ambient Contrast Ratio OLED and Quantum-dot LED without a Circular Polarizer. Digest of Technical Papers SID International Symposium, 2016, 47, 1509-1512.	0.1	0
32	Pâ€106: Wideâ€Colorâ€Gamut LCD with a Functional Reflective Polarizer. Digest of Technical Papers SID International Symposium, 2017, 48, 1659-1662.	0.1	0
33	Pâ€153: High Contrast Ratio LCD with an Inâ€cell Polarizer. Digest of Technical Papers SID International Symposium, 2018, 49, 1734-1737.	0.1	0
34	Pâ€161: Wideâ€view and Fastâ€response Uniform Standing Helix Cholesteric LCD. Digest of Technical Papers SID International Symposium, 2018, 49, 1769-1772.	0.1	0
35	65â€3: Light Diffusing, Downâ€Converting Perovskiteâ€onâ€Polymer Microspheres. Digest of Technical Papers SID International Symposium, 2019, 50, 917-920.	0.1	0
36	45â€4: Nearâ€Eye Foveated Display for Achieving Human Visual Acuity. Digest of Technical Papers SID International Symposium, 2019, 50, 624-627.	0.1	0

#	ARTICLE	IF	CITATIONS
37	49â€²: Distinguished Student Paper: Highâ€²Efficiency Switchable Optical Elements for Advanced Headâ€²Up Displays. Digest of Technical Papers SID International Symposium, 2019, 50, 676-679.	0.1	0
38	40â€²: Invited Paper: Fastâ€²Switching Liquid Crystal Devices for Nearâ€²Eye and Headâ€²Up Displays. Digest of Technical Papers SID International Symposium, 2020, 51, 567-570.	0.1	0
39	40â€²: Distinguished Paper: A Scanning Waveguide Display with 100â² of FOV. Digest of Technical Papers SID International Symposium, 2020, 51, 583-586.	0.1	0
40	Patterned-Liquid-Crystal for Novel Displays. Crystals, 2022, 12, 185.	1.0	0