

# Xiaolian Chen

## List of Publications by Year in descending order

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25  
papers

879  
citations

471509

17  
h-index

642732

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g-index

25  
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25  
docs citations

25  
times ranked

1233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Screen-Printed Poly(3,4-Ethylenedioxythiophene):Poly(Styrenesulfonate) Grids as ITO-Free Anodes for Flexible Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2018, 28, 1705955.	14.9	149
2	Embedded Ag/Ni Metal-Mesh with Low Surface Roughness As Transparent Conductive Electrode for Optoelectronic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37048-37054.	8.0	84
3	Printable High-Aspect Ratio and High-Resolution Cu Grid Flexible Transparent Conductive Film with Figure of Merit over 80 000. <i>Advanced Electronic Materials</i> , 2019, 5, 1800991.	5.1	76
4	Remarkable Near-Infrared Electrochromism in Tungsten Oxide Driven by Interlayer Water-Induced Battery-to-Pseudocapacitor Transition. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33917-33925.	8.0	61
5	Efficiency above 12% for 1 cm <sup>2</sup> Flexible Organic Solar Cells with Ag/Cu Grid Transparent Conducting Electrode. <i>Advanced Science</i> , 2019, 6, 1901490.	11.2	58
6	Modification of the Highly Conductive PEDOT:PSS Layer for Use in Silver Nanogrid Electrodes for Flexible Inverted Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7834-7842.	8.0	55
7	Inkjet-Printed High-Efficiency Multilayer QLEDs Based on a Novel Crosslinkable Small-Molecule Hole Transport Material. <i>Small</i> , 2019, 15, e1900111.	10.0	50
8	High performance inkjet-printed QLEDs with 18.3% EQE: improving interfacial contact by novel halogen-free binary solvent system. <i>Nano Research</i> , 2021, 14, 4125-4131.	10.4	42
9	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrode-Based Flexible Perovskite Solar Cells and the Suppression Method. <i>Solar Rrl</i> , 2018, 2, 1800118.	5.8	37
10	12.42% Monolithic 25.42 cm <sup>2</sup> Flexible Organic Solar Cells Enabled by an Amorphous ITO-Modified Metal Grid Electrode. <i>Advanced Materials</i> , 2022, 34, e2110276.	21.0	37
11	Multiscale Micro-Nano Nested Structures: Engineered Surface Morphology for Efficient Light Escaping in Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26989-26998.	8.0	35
12	0.7% Roll-off for Solution-Processed Blue Phosphorescent OLEDs with a Novel Electron Transport Material. <i>ACS Photonics</i> , 2017, 4, 449-453.	6.6	30
13	Hybrid Printing Metal-mesh Transparent Conductive Films with Lower Energy Photonically Sintered Copper/tin Ink. <i>Scientific Reports</i> , 2017, 7, 13239.	3.3	30
14	Transparent Therapeutic Skin Patch Based on Highly Conductive and Stretchable Copper Mesh Heater. <i>Advanced Electronic Materials</i> , 2021, 7, 2100611.	5.1	28
15	In-Depth Investigation of Inkjet-Printed Silver Electrodes over Large Area: Ink Recipe, Flow, and Solidification. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	27
16	Thermally Cross-Linkable Host Materials for Solution-Processed OLEDs: Synthesis, Characterization, and Optoelectronic Properties. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3737-3747.	2.4	25
17	Synthesis and characterization of green-emitting Ir(III) complexes based on a functionalized benzimidazole ligand. <i>New Journal of Chemistry</i> , 2017, 41, 2046-2054.	2.8	18
18	Optimizing the central steric hindrance of cross-linkable hole transport materials for achieving highly efficient RGB QLEDs. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3368-3377.	5.9	18

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19	Ito-Free Flexible Electronics: Screen-Printed Poly(3,4-Ethylenedioxythiophene):Poly(Styrenesulfonate) Grids as ITO-Free Anodes for Flexible Organic Light-Emitting Diodes (Adv. Funct. Mater. 11/2018). Advanced Functional Materials, 2018, 28, 1870072.	14.9	8
20	A widely adaptable analytical method for thermal analysis of flexible electronics with complex heat source structures. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190402.	2.1	6
21	43.2: Low Surface Roughness Transparent Conductive Electrode for QLED Applications. Digest of Technical Papers SID International Symposium, 2018, 49, 468-470.	0.3	2
22	Quantum Dots: Inkjet-Printed High-Efficiency Multilayer QLEDs Based on a Novel Crosslinkable Small-Molecule Hole Transport Material (Small 16/2019). Small, 2019, 15, 1970083.	10.0	2
23	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrode-Based Flexible Perovskite Solar Cells and the Suppression Method (Solar RRL 9-2018). Solar Rrl, 2018, 2, 1870207.	5.8	1
24	P-229: Late-News Poster : Flexible Barrier Layer to Prevent Silver Mesh Transparent Conductive Films from Electrochemical Migration. Digest of Technical Papers SID International Symposium, 2017, 48, 1793-1796.	0.3	0
25	P-14.2: Stretchable Transparent Electronic Circuit without Resistance Variation at 150% Strain Using Printing and Transfer Fabrication. Digest of Technical Papers SID International Symposium, 2019, 50, 993-995.	0.3	0