Xiaolian Chen

List of Publications by Year
in descending order

25	879	471509 17	642732 23
papers	citations	h-index	g-index

25	25	25	1233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	12.42% Monolithic 25.42 cm² Flexible Organic Solar Cells Enabled by an Amorphous ITOâ€Modified Metal Grid Electrode. Advanced Materials, 2022, 34, e2110276.	21.0	37
2	Inâ€Depth Investigation of Inkjetâ€Printed Silver Electrodes over Largeâ€Area: Ink Recipe, Flow, and Solidification. Advanced Materials Interfaces, 2022, 9, .	3.7	27
3	High performance inkjet-printed QLEDs with 18.3% EQE: improving interfacial contact by novel halogen-free binary solvent system. Nano Research, 2021, 14, 4125-4131.	10.4	42
4	Transparent Thermotherapeutic Skin Patch Based on Highly Conductive and Stretchable Copper Mesh Heater. Advanced Electronic Materials, 2021, 7, 2100611.	5.1	28
5	Optimizing the central steric hindrance of cross-linkable hole transport materials for achieving highly efficient RGB QLEDs. Materials Chemistry Frontiers, 2020, 4, 3368-3377.	5.9	18
6	Remarkable Near-Infrared Electrochromism in Tungsten Oxide Driven by Interlayer Water-Induced Battery-to-Pseudocapacitor Transition. ACS Applied Materials & Interfaces, 2020, 12, 33917-33925.	8.0	61
7	Pâ€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
8	Efficiency above 12% for 1 cm² Flexible Organic Solar Cells with Ag/Cu Grid Transparent Conducting Electrode. Advanced Science, 2019, 6, 1901490.	11.2	58
9	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
10	Quantum Dots: Inkjetâ€Printed Highâ€Efficiency Multilayer QLEDs Based on a Novel Crosslinkable Smallâ€Molecule Hole Transport Material (Small 16/2019). Small, 2019, 15, 1970083.	10.0	2
11	Inkjetâ€Printed Highâ€Efficiency Multilayer QLEDs Based on a Novel Crosslinkable Smallâ€Molecule Hole Transport Material. Small, 2019, 15, e1900111.	10.0	50
12	Printable Highâ€Aspect Ratio and Highâ€Resolution Cu Grid Flexible Transparent Conductive Film with Figure of Merit over 80 000. Advanced Electronic Materials, 2019, 5, 1800991.	5.1	76
13	Screenâ€Printed Poly(3,4â€Ethylenedioxythiophene):Poly(Styrenesulfonate) Grids as ITOâ€Free Anodes for Flexible Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2018, 28, 1705955.	14.9	149
14	Itoâ€Free Flexible Electronics: Screenâ€Printed Poly(3,4â€Ethylenedioxythiophene):Poly(Styrenesulfonate) Grids as ITOâ€Free Anodes for Flexible Organic Lightâ€Emitting Diodes (Adv. Funct. Mater. 11/2018). Advanced Functional Materials, 2018, 28, 1870072.	14.9	8
15	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
16	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrode-Based Flexible Perovskite Solar Cells and the Suppression Method (Solar RRL 9â•2018). Solar Rrl, 2018, 2, 1870207.	5.8	1
17	Electrochemical Corrosion of Ag Electrode in the Silver Grid Electrodeâ€Based Flexible Perovskite Solar Cells and the Suppression Method. Solar Rrl, 2018, 2, 1800118.	5.8	37
18	Synthesis and characterization of green-emitting Ir(iii) complexes based on a functionalized benzimidazole ligand. New Journal of Chemistry, 2017, 41, 2046-2054.	2.8	18

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19	0.7% Roll-off for Solution-Processed Blue Phosphorescent OLEDs with a Novel Electron Transport Material. ACS Photonics, 2017, 4, 449-453.	6.6	30
20	Modification of the Highly Conductive PEDOT:PSS Layer for Use in Silver Nanogrid Electrodes for Flexible Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 7834-7842.	8.0	55
21	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
22	Embedded Ag/Ni Metal-Mesh with Low Surface Roughness As Transparent Conductive Electrode for Optoelectronic Applications. ACS Applied Materials & Interfaces, 2017, 9, 37048-37054.	8.0	84
23	Hybrid Printing Metal-mesh Transparent Conductive Films with Lower Energy Photonically Sintered Copper/tin Ink. Scientific Reports, 2017, 7, 13239.	3.3	30
24	Thermally Crossâ€Linkable Host Materials for Solutionâ€Processed OLEDs: Synthesis, Characterization, and Optoelectronic Properties. European Journal of Organic Chemistry, 2016, 2016, 3737-3747.	2.4	25
25	Multiscale Microâ€“Nano Nested Structures: Engineered Surface Morphology for Efficient Light Escaping in Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2015, 7, 26989-26998.	8.0	35