

# Ming-Hsien Li

## List of Publications by Year in descending order

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37  
papers

1,729  
citations

430442

18  
h-index

414034

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of NH <sub>3</sub> and N <sub>2</sub> O Plasma Treatments on Bi <sub>2</sub> O <sub>3</sub> Sensing Membranes Applied in an Electrolyte-Insulator-Semiconductor Structure. <i>Membranes</i> , 2022, 12, 188.	1.4	1
2	Pseudo-Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2100818.	10.2	56
3	Back-contact perovskite solar cells. <i>Semiconductor Science and Technology</i> , 2021, 36, 083001.	1.0	2
4	High-performance solution-processed ZnSnO metal-semiconductor-metal ultraviolet photodetectors via ultraviolet/ozone photo-annealing. <i>Semiconductor Science and Technology</i> , 2021, 36, 095013.	1.0	16
5	Formamide iodide: a new cation additive for inhibiting $\gamma$ -phase formation of formamidinium lead iodide perovskite. <i>Materials Advances</i> , 2021, 2, 2272-2277.	2.6	2
6	Lead-Free Double Perovskites for Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900306.	3.1	127
7	Multiple-Color Reflectors Using Bichiral Liquid Crystal Polymer Films and Their Applications in Liquid Crystal Displays. <i>Polymers</i> , 2020, 12, 3031.	2.0	2
8	Effects of CF <sub>4</sub> Plasma Treatment on Indium Gallium Oxide and Ti-doped Indium Gallium Oxide Sensing Membranes in Electrolyte-Insulator-Semiconductors. <i>Crystals</i> , 2020, 10, 810.	1.0	1
9	Segregation-free bromine-doped perovskite solar cells for IoT applications. <i>RSC Advances</i> , 2019, 9, 32833-32838.	1.7	13
10	A Review of Inorganic Hole Transport Materials for Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800882.	1.9	200
11	The Cu/Cu <sub>2</sub> O nanocomposite as a p-type transparent-conductive-oxide for efficient bifacial-illuminated perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6280-6286.	2.7	16
12	Cu/Cu <sub>2</sub> O nanocomposite films as a p-type modified layer for efficient perovskite solar cells. <i>Scientific Reports</i> , 2018, 8, 7646.	1.6	33
13	Optical manipulation of nematic colloids at the interfaces in azo-dye-doped liquid crystals. <i>Applied Optics</i> , 2018, 57, 3180.	0.9	2
14	Mapping Highly Efficient Mixed-cation Pseudohalide-perovskite Solar Cells with a Scanning Transmission X-ray Microscope. <i>Microscopy and Microanalysis</i> , 2018, 24, 462-463.	0.2	0
15	Highly Efficient 2D/3D Hybrid Perovskite Solar Cells via Low-Pressure Vapor-Assisted Solution Process. <i>Advanced Materials</i> , 2018, 30, e1801401.	11.1	154
16	Mixed Cation Thiocyanate-Based Pseudohalide Perovskite Solar Cells with High Efficiency and Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2403-2409.	4.0	57
17	Observation of strain-induced phonon mode splitting in the tetragonal hybrid halide perovskite. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 110307.	0.8	1
18	P-Type and Inorganic Hole Transporting Materials for Perovskite Solar Cells. <i>Series on Chemistry, Energy and the Environment</i> , 2017, , 63-109.	0.3	1

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19	Highly stable perovskite solar cells with all-inorganic selective contacts from microwave-synthesized oxide nanoparticles. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25485-25493.	5.2	41
20	Robust and Recyclable Substrate Template with an Ultrathin Nanoporous Counter Electrode for Organic-Hole-Conductor-Free Monolithic Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41845-41854.	4.0	19
21	A novel porous Ti/TiN/Ti thin film as a working electrode for back-contact, monolithic and non-TCO dye-sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2017, 1, 851-858.	2.5	4
22	Inorganic p-Type Semiconductors: Their Applications and Progress in Dye-Sensitized Solar Cells and Perovskite Solar Cells. <i>Energies</i> , 2016, 9, 331.	1.6	69
23	Low-Pressure Hybrid Chemical Vapor Growth for Efficient Perovskite Solar Cells and Large-Area Module. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500849.	1.9	51
24	Improve Hole Collection by Interfacial Chemical Redox Reaction at a Mesoscopic NiO/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Heterojunction for Efficient Photovoltaic Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600135.	1.9	18
25	Research Update: Hybrid organic-inorganic perovskite (HOIP) thin films and solar cells by vapor phase reaction. <i>APL Materials</i> , 2016, 4, .	2.2	33
26	Low-pressure hybrid chemical vapor deposition for efficient perovskite solar cells and module. , 2016, , .		0
27	Low-Pressure Vapor-Assisted Solution Process for Thiocyanate-Based Pseudohalide Perovskite Solar Cells. <i>ChemSusChem</i> , 2016, 9, 2620-2627.	3.6	30
28	Zinc Porphyrin-Ethynylaniline Conjugates as Novel Hole-Transporting Materials for Perovskite Solar Cells with Power Conversion Efficiency of 16.6%. <i>ACS Energy Letters</i> , 2016, 1, 956-962.	8.8	87
29	Ultrafast Dynamics of Hole Injection and Recombination in Organometal Halide Perovskite Using Nickel Oxide as p-Type Contact Electrode. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1096-1101.	2.1	97
30	Inorganic p-type contact materials for perovskite-based solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9011-9019.	5.2	143
31	Microwave-assisted synthesis of titanium dioxide nanocrystalline for efficient dye-sensitized and perovskite solar cells. <i>Solar Energy</i> , 2015, 120, 345-356.	2.9	37
32	Novel spiro-based hole transporting materials for efficient perovskite solar cells. <i>Chemical Communications</i> , 2015, 51, 15518-15521.	2.2	88
33	Low-Temperature Sputtered Nickel Oxide Compact Thin Film as Effective Electron Blocking Layer for Mesoscopic NiO/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Heterojunction Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11851-11858.	4.0	319
34	Optically Controllable Gray-Level Diffraction from a BCT Photonic Crystal Based on Azo Dye-Doped HPDLC. <i>Optics and Photonics Journal</i> , 2014, 04, 288-295.	0.3	0
35	Functional inorganic selective contact layers for perovskite solar cell application. , 0, , .		0
36	Effect of the Large-Size A-Site Cation on the Crystal Growth and Phase Distribution of 2D/3D Mixed Perovskite Films via a Low-Pressure Vapor-Assisted Solution Process. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	4

#	ARTICLE	IF	CITATIONS
37	Formation of liquid crystal gratings with crystal/quasicrystal patterns through photoalignment. Liquid Crystals, 0, , 1-8.	0.9	0