

# Man-Jong Lee

## List of Publications by Year in Descending Order

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

46  
papers

579  
citations

14  
h-index

22  
g-index

48  
ext. papers

664  
ext. citations

5.5  
avg, IF

3.99  
L-index

#	Paper	IF	Citations
46	Amorphous AlO <sub>6</sub> SnO <sub>2</sub> nanocomposite electron-selective layers yielding over 21% efficiency in ambient-air-processed MAPbI <sub>3</sub> -based planar solar cells. <i>Chemical Engineering Journal</i> , <b>2021</b> , 409, 128215	14.7	5
45	Effect of reaction time on the morphology and efficiency of ambient-air-processed CsFAMAPbIBr triple cation-mixed perovskite solar cells. <i>Materials Letters</i> , <b>2021</b> , 292, 129623	3.3	3
44	Antisolvent-assisted one-step solution synthesis of defect-less 1D MAPbI <sub>3</sub> nanowire networks with improved charge transport dynamics. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 13, 162-172	5.5	0
43	Colored MAPbI <sub>3</sub> perovskite solar cells based on SnO <sub>2</sub> /BiO <sub>2</sub> distributed Bragg reflectors. <i>Materials Letters</i> , <b>2021</b> , 282, 128828	3.3	5
42	Highly luminescent CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> quantum dots with 96.5% photoluminescence quantum yield achieved by synergistic combination of single-crystal precursor and capping ligand optimization. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 859, 157842	5.7	0
41	Synergistic passivation of MAPbI <sub>3</sub> perovskite solar cells by compositional engineering using acetamidinium bromide additives. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 59, 755-762	12	9
40	Influence of spin-coating methods on the properties of planar solar cells based on ambient-air-processed triple-cation mixed-halide perovskites. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 879, 160373	5.7	3
39	Ambient-air fabrication of stable mixed cation perovskite planar solar cells with efficiencies exceeding 22% using a synergistic mixed antisolvent with complementary properties. <i>Nano Energy</i> , <b>2021</b> , 89, 106387	17.1	3
38	Novel Intense-pulsed-light synthesis of amorphous SnO <sub>2</sub> electron-selective layers for efficient planar MAPbI <sub>3</sub> perovskite solar cells. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 92, 171-177	9.1	4
37	Tuning the Morphology and Properties of Nanostructured Cu-ZnO Thin Films Using a Two-Step Sputtering Technique. <i>Metals</i> , <b>2020</b> , 10, 437	2.3	2
36	Influence of a UV-ozone treatment on amorphous SnO <sub>2</sub> electron selective layers for highly efficient planar MAPbI <sub>3</sub> perovskite solar cells. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 59, 195-202	9.1	18
35	Highly luminescent and stable CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> quantum dots with 91.7% photoluminescence quantum yield: Role of guanidinium bromide dopants. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 832, 154990	5.7	7
34	Influence of Lewis base HMPA on the properties of efficient planar MAPbI <sub>3</sub> solar cells fabricated by one-step process assisted by Lewis acid-base adduct approach. <i>Chemical Engineering Journal</i> , <b>2020</b> , 380, 122436	14.7	17
33	Effect of manganese dopants on defects, nano-strain, and photovoltaic performance of Mn <sup>2+</sup> /CdSe nanocomposite-sensitized ZnO nanowire solar cells. <i>Composites Science and Technology</i> , <b>2019</b> , 179, 79-87	8.6	11
32	Efficient composition tuning via cation exchange and improved reproducibility of photovoltaic performance in FxMA <sub>1-x</sub> PbI <sub>3</sub> planar heterojunction solar cells fabricated by a two-step dynamic spin-coating process. <i>Nano Energy</i> , <b>2018</b> , 54, 251-263	17.1	21
31	Highly Efficient Amorphous Zn <sub>2</sub> SnO <sub>4</sub> Electron-Selective Layers Yielding over 20% Efficiency in FAMAPbI <sub>3</sub> -Based Planar Solar Cells. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2410-2417	20.1	34
30	Template-assisted solvothermal assembly of size-controlled hierarchical V <sub>2</sub> O <sub>5</sub> hollow microspheres with tunable nanoscale building blocks and their enhanced lithium storage properties. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 942-950	6.7	5

29	Enhancing Bi <sub>2</sub> S <sub>3</sub> sensitised mesoporous TiO <sub>2</sub> solar cells by co-sensitisation with Bi <sub>2</sub> S <sub>3</sub> /CdS quantum dots. <i>International Journal of Nanotechnology</i> , <b>2016</b> , 13, 354	1.5	3
28	Influence of defects and nanoscale strain on the photovoltaic properties of CdS/CdSe nanocomposite co-sensitized ZnO nanowire solar cells. <i>Electrochimica Acta</i> , <b>2016</b> , 220, 500-510	6.7	13
27	Solution-processed flexible planar perovskite solar cells: A strategy to enhance efficiency by controlling the ZnO electron transfer layer, PbI <sub>2</sub> phase, and CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> morphologies. <i>Journal of Power Sources</i> , <b>2016</b> , 324, 142-149	8.9	16
26	ZnS-Passivated CdSe/CdS Co-sensitized Mesoporous Zn <sub>2</sub> SnO <sub>4</sub> Based Solar Cells. <i>Electrochimica Acta</i> , <b>2014</b> , 121, 223-232	6.7	14
25	Characterization of LiV <sub>10</sub> O <sub>10</sub> nanorod phases and their effect on electrochemical properties of Li <sub>1+x</sub> V <sub>3</sub> O <sub>8</sub> cathode materials synthesized by hydrothermal reaction and subsequent heat treatment. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 708-716	6.7	18
24	Reaction sequence and electrochemical properties of lithium vanadium oxide cathode materials synthesized via a hydrothermal reaction. <i>Ceramics International</i> , <b>2013</b> , 39, 1623-1629	5.1	5
23	Preparation and electrochemical properties of surface-charge-modified Zn <sub>2</sub> SnO <sub>4</sub> nanoparticles as anodes for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2012</b> , 76, 192-200	6.7	44
22	Incorrect depth sense due to focused object distance. <i>Applied Optics</i> , <b>2011</b> , 50, 2931-9	0.2	1
21	Surface properties and dye loading behavior of Zn <sub>2</sub> SnO <sub>4</sub> nanoparticles hydrothermally synthesized using different mineralizers. <i>Materials Characterization</i> , <b>2011</b> , 62, 1007-1015	3.9	31
20	Precipitation Behaviors of HgTe NanoInclusions Formed in Thermoelectric PbTe: Initial Induced Lattice Mismatch, Theoretical Calculation and Experimental Verification. <i>Journal of the Korean Institute of Electrical and Electronic Material Engineers</i> , <b>2011</b> , 24, 599-604		
19	Characteristics of BaNd <sub>2</sub> Ti <sub>5</sub> O <sub>14</sub> powders directly prepared by high-temperature spray pyrolysis. <i>Ceramics International</i> , <b>2010</b> , 36, 63-68	5.1	2
18	Properties of hydrothermally synthesized Zn <sub>2</sub> SnO <sub>4</sub> nanoparticles using Na <sub>2</sub> CO <sub>3</sub> as a novel mineralizer. <i>Materials Characterization</i> , <b>2010</b> , 61, 873-881	3.9	35
17	Characteristics of a new type of solid-state electrolyte with a LiPON interlayer for Li-ion thin film batteries. <i>Solid State Ionics</i> , <b>2010</b> , 181, 902-906	3.3	22
16	Effect of BaF <sub>2</sub> as the source of Ba component and flux material in the preparation of Ba <sub>1.1</sub> Sr <sub>0.88</sub> Si <sub>0.4</sub> :Eu <sub>0.02</sub> phosphor by spray pyrolysis. <i>Ceramics International</i> , <b>2010</b> , 36, 339-343	5.1	5
15	Characteristics of size controlled hydroxyapatite powders with nanometer size prepared by flame spray pyrolysis. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 1060-1064	1	2
14	Synthesis and characterization of NiFe <sub>2</sub> O <sub>4</sub> nanopowders via spray pyrolysis. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 1069-1073	1	4
13	Surface Reaction Mechanism of Acetonitrile on Doped SnO <sub>2</sub> Sensor Element and Its Response Behavior. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 2119-2121	1.4	6
12	Structural and Electrochemical Properties of ZrO <sub>2</sub> -H <sub>x</sub> Thin Films Deposited by Reactive Sputtering in Hydrogen Atmosphere as Solid Electrolytes. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 5144-5148	1.4	11

11	Fabrication and frequency response of dual-element ultrasonic transducer using PZT-5A thick film. <i>Sensors and Actuators A: Physical</i> , <b>2006</b> , 125, 463-470	3.9	8
10	Fabrication and frequency response of a complex ultrasonic transducer for multilayer evaluation. <i>Sensors and Actuators A: Physical</i> , <b>2006</b> , 125, 223-233	3.9	1
9	Characteristics of thin film supercapacitor with ruthenium oxide electrode and Ta <sub>2</sub> O <sub>5+x</sub> solid oxide thin film electrolyte. <i>Journal of Electroceramics</i> , <b>2006</b> , 17, 639-643	1.5	16
8	Reaction kinetics and formation mechanism of magnesium ferrites. <i>Thermochimica Acta</i> , <b>2005</b> , 425, 131-136	3.6	47
7	Effect of Hydrogen Doping on Structural and Piezoelectric Properties of Sputtered ZnO Films. <i>Integrated Ferroelectrics</i> , <b>2005</b> , 69, 431-442	0.8	3
6	Preparation of carbon-free B <sub>4</sub> C powder from B <sub>2</sub> O <sub>3</sub> oxide by carbothermal reduction process. <i>Materials Letters</i> , <b>2004</b> , 58, 609-614	3.3	89
5	Formation of HgTe Nanodisks Embedded in PbTe Matrix by Precipitation Phenomena. <i>Nano Letters</i> , <b>2003</b> , 3, 1607-1610	11.5	6
4	Investigation on self-aligned HgTe nano-crystals induced by controlled precipitation in PbTe/HgTe quasi-binary compound semiconductor alloys. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 304, 267-275	2.8	7
3	Properties of Mn-doped BaTi <sub>4</sub> O <sub>9</sub> -ZnO-Ta <sub>2</sub> O <sub>5</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1995</b> , 6, 165-172	2.1	14
2	Microwave dielectric properties of Mn-doped BaTi <sub>4</sub> O <sub>9</sub> -ZnO-Ta <sub>2</sub> O <sub>5</sub> ceramics. <i>Ferroelectrics</i> , <b>1994</b> , 154, 149-154	0.6	1
1	Piezoelectric properties of interconnected porous Pb <sub>0.76</sub> Ca <sub>0.24</sub> Ti <sub>0.96</sub> (Co <sub>0.5</sub> W <sub>0.5</sub> ) <sub>0.04</sub> O <sub>3</sub> ceramics. <i>Ferroelectrics</i> , <b>1991</b> , 119, 53-60	0.6	6