Man-Jong Lee

List of Publications by Citations

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	Preparation of carbon-free B4C powder from B2O3 oxide by carbothermal reduction process. *Materials Letters*, **2004**, 58, 609-614	3.3	89
45	Reaction kinetics and formation mechanism of magnesium ferrites. *Thermochimica Acta*, **2005**, 425, 131-136	2.6	47
44	Preparation and electrochemical properties of surface-charge-modified Zn2SnO4 nanoparticles as anodes for lithium-ion batteries. *Electrochimica Acta*, **2012**, 76, 192-200	6.7	44
43	Properties of hydrothermally synthesized Zn2SnO4 nanoparticles using Na2CO3 as a novel mineralizer. *Materials Characterization*, **2010**, 61, 873-881	3.9	35
42	Highly Efficient Amorphous Zn2SnO4 Electron-Selective Layers Yielding over 20% Efficiency in FAMAPbI3-Based Planar Solar Cells. *ACS Energy Letters*, **2018**, 3, 2410-2417	20.1	34
41	Surface properties and dye loading behavior of Zn2SnO4 nanoparticles hydrothermally synthesized using different mineralizers. *Materials Characterization*, **2011**, 62, 1007-1015	3.9	31
40	Characteristics of a new type of solid-state electrolyte with a LiPON interlayer for Li-ion thin film batteries. *Solid State Ionics*, **2010**, 181, 902-906	3.3	22
39	Efficient composition tuning via cation exchange and improved reproducibility of photovoltaic performance in FAxMA1-xPbI3 planar heterojunction solar cells fabricated by a two-step dynamic spin-coating process. *Nano Energy*, **2018**, 54, 251-263	17.1	21
38	Influence of a UV-ozone treatment on amorphous SnO2 electron selective layers for highly efficient planar MAPbI3 perovskite solar cells. *Journal of Materials Science and Technology*, **2020**, 59, 195-202	9.1	18
37	Characterization of LiV□O nanorod phases and their effect on electrochemical properties of Li1+V3O8 cathode materials synthesized by hydrothermal reaction and subsequent heat treatment. *Electrochimica Acta*, **2013**, 89, 708-716	6.7	18
36	Influence of Lewis base HMPA on the properties of efficient planar MAPbI3 solar cells fabricated by one-step process assisted by Lewis acid-base adduct approach. *Chemical Engineering Journal*, **2020**, 380, 122436	14.7	17
35	Characteristics of thin film supercapacitor with ruthenium oxide electrode and Ta2O5+x solid oxide thin film electrolyte. *Journal of Electroceramics*, **2006**, 17, 639-643	1.5	16
34	Solution-processed flexible planar perovskite solar cells: A strategy to enhance efficiency by controlling the ZnO electron transfer layer, PbI 2 phase, and CH 3 NH 3 PbI 3 morphologies. *Journal of Power Sources*, **2016**, 324, 142-149	8.9	16
33	ZnS-Passivated CdSe/CdS Co-sensitized Mesoporous Zn2SnO4 Based Solar Cells. *Electrochimica Acta*, **2014**, 121, 223-232	6.7	14
32	Properties of Mn-doped BaTi4O9-ZnO-Ta2O5 ceramics. *Journal of Materials Science: Materials in Electronics*, **1995**, 6, 165-172	2.1	14
31	Influence of defects and nanoscale strain on the photovoltaic properties of CdS/CdSe nanocomposite co-sensitized ZnO nanowire solar cells. *Electrochimica Acta*, **2016**, 220, 500-510	6.7	13
30	Effect of manganese dopants on defects, nano-strain, and photovoltaic performance of Mn□dS/CdSe nanocomposite-sensitized ZnO nanowire solar cells. *Composites Science and Technology*, **2019**, 179, 79-87	8.6	11

29	Structural and Electrochemical Properties of ZrO2□HxThin Films Deposited by Reactive Sputtering in Hydrogen Atmosphere as Solid Electrolytes. *Japanese Journal of Applied Physics*, **2006**, 45, 5144-5148	1.4	11
28	Synergistic passivation of MAPbI3 perovskite solar cells by compositional engineering using acetamidinium bromide additives. *Journal of Energy Chemistry*, **2021**, 59, 755-762	12	9
27	Fabrication and frequency response of dual-element ultrasonic transducer using PZT-5A thick film. *Sensors and Actuators A: Physical*, **2006**, 125, 463-470	3.9	8
26	Highly luminescent and stable CH3NH3PbBr3 quantum dots with 91.7% photoluminescence quantum yield: Role of guanidinium bromide dopants. *Journal of Alloys and Compounds*, **2020**, 832, 154990	5.7	7
25	Investigation on self-aligned HgTe nano-crystals induced by controlled precipitation in PbTe□HgTe quasi-binary compound semiconductor alloys. *Physica B: Condensed Matter*, **2001**, 304, 267-275	2.8	7
24	Surface Reaction Mechanism of Acetonitrile on Doped SnO2Sensor Element and Its Response Behavior. *Japanese Journal of Applied Physics*, **2008**, 47, 2119-2121	1.4	6
23	Formation of HgTe Nanodisks Embedded in PbTe Matrix by Precipitation Phenomena. *Nano Letters*, **2003**, 3, 1607-1610	11.5	6
22	Piezoelectric properties of interconnected porous Pb0.76Ca0.24Ti0.96 (Co0.5W0.5)0.04O3 ceramics. *Ferroelectrics*, **1991**, 119, 53-60	0.6	6
21	Template-assisted solvothermal assembly of size-controlled hierarchical V2O5 hollow microspheres with tunable nanoscale building blocks and their enhanced lithium storage properties. *Electrochimica Acta*, **2017**, 258, 942-950	6.7	5
20	Reaction sequence and electrochemical properties of lithium vanadium oxide cathode materials synthesized via a hydrothermal reaction. *Ceramics International*, **2013**, 39, 1623-1629	5.1	5
19	Effect of BaF2 as the source of Ba component and flux material in the preparation of Ba1.1Sr0.88SiO4:Eu0.02 phosphor by spray pyrolysis. *Ceramics International*, **2010**, 36, 339-343	5.1	5
18	Amorphous AlO6□SnO2 nanocomposite electron-selective layers yielding over 21% efficiency in ambient-air-processed MAPbI3-based planar solar cells. *Chemical Engineering Journal*, **2021**, 409, 128215	14.7	5
17	Colored MAPbI3 perovskite solar cells based on SnO2□SiO2 distributed Bragg reflectors. *Materials Letters*, **2021**, 282, 128828	3.3	5
16	Synthesis and characterization of NiFe2O4 nanopowders via spray pyrolysis. *Journal of the Ceramic Society of Japan*, **2009**, 117, 1069-1073	1	4
15	Novel Intense-pulsed-light synthesis of amorphous SnO2 electron-selective layers for efficient planar MAPbI3 perovskite solar cells. *Journal of Materials Science and Technology*, **2021**, 92, 171-177	9.1	4
14	Enhancing Bi2S3 sensitised mesoporous TiO2 solar cells by co-sensitisation with Bi2S3/CdS quantum dots. *International Journal of Nanotechnology*, **2016**, 13, 354	1.5	3
13	Effect of Hydrogen Doping on Structural and Piezoelectric Properties of Sputtered ZnO Films. *Integrated Ferroelectrics*, **2005**, 69, 431-442	0.8	3
12	Effect of reaction time on the morphology and efficiency of ambient-air-processed CsFAMAPbIBr triple cation-mixed perovskite solar cells. *Materials Letters*, **2021**, 292, 129623	3.3	3

11	Influence of spin-coating methods on the properties of planar solar cells based on ambient-air-processed triple-cation mixed-halide perovskites. *Journal of Alloys and Compounds*, **2021**, 879, 160373	5.7	3
10	Ambient-air fabrication of stable mixed cation perovskite planar solar cells with efficiencies exceeding 22% using a synergistic mixed antisolvent with complementary properties. *Nano Energy*, **2021**, 89, 106387	17.1	3
9	Tuning the Morphology and Properties of Nanostructured Cu-ZnO Thin Films Using a Two-Step Sputtering Technique. *Metals*, **2020**, 10, 437	2.3	2
8	Characteristics of size controlled hydroxyapatite powders with nanometer size prepared by flame spray pyrolysis. *Journal of the Ceramic Society of Japan*, **2009**, 117, 1060-1064	1	2
7	Characteristics of BaNd2Ti5O14 powders directly prepared by high-temperature spray pyrolysis. *Ceramics International*, **2010**, 36, 63-68	5.1	2
6	Incorrect depth sense due to focused object distance. *Applied Optics*, **2011**, 50, 2931-9	0.2	1
5	Fabrication and frequency response of a complex ultrasonic transducer for multilayer evaluation. *Sensors and Actuators A: Physical*, **2006**, 125, 223-233	3.9	1
4	Microwave dielectric properties of Mn-doped BaTi4O9-ZnO-Ta2O5 ceramics. *Ferroelectrics*, **1994**, 154, 149-154	0.6	1
3	Antisolvent-assisted one-step solution synthesis of defect-less 1D MAPbI3 nanowire networks with improved charge transport dynamics. *Journal of Materials Research and Technology*, **2021**, 13, 162-172	5.5	0
2	Highly luminescent CH3NH3PbBr3 quantum dots with 96.5% photoluminescence quantum yield achieved by synergistic combination of single-crystal precursor and capping ligand optimization. *Journal of Alloys and Compounds*, **2021**, 859, 157842	5.7	0
1	Precipitation Behaviors of HgTe Nanoinclusions Formed in Thermoelectric PbTe: Initial Induced Lattice Mismatch, Theoretical Calculation and Experimental Verification. *Journal of the Korean Institute of Electrical and Electronic Material Engineers*, **2011**, 24, 599-604		