Jooho Moon

List of Publications by Year in Descending Order

269 papers	14,359 citations	65 h-index	109 g-index
298 ext. papers	16,095 ext. citations	9 avg, IF	6.81 L-index

#	Paper	IF	Citations
269	Facile morphology control strategy to enhance charge separation efficiency of Mo:BiVO4 photoanodes for efficient photoelectrochemical water splitting. *Chemical Engineering Journal*, **2022**, 430, 133061	14.7	8
268	Elucidating the Synergistic Behavior of Orientation-Controlled SnS Nanoplates and Carbon Layers for High-Performance Lithium- and Sodium-Ion Batteries (Adv. Energy Mater. 8/2022). *Advanced Energy Materials*, **2022**, 12, 2270033	21.8	1
267	Interfacial Dipole Layer Enables High-Performance Heterojunctions for Photoelectrochemical Water Splitting. *ACS Energy Letters*, **2022**, 7, 1392-1402	20.1	2
266	Elucidating the Synergistic Behavior of Orientation-Controlled SnS Nanoplates and Carbon Layers for High-Performance Lithium- and Sodium-Ion Batteries. *Advanced Energy Materials*, **2022**, 12, 2103138	21.8	6
265	Chiral Perovskites for Next-Generation Photonics: From Chirality Transfer to Chiroptical Activity (Adv. Mater. 47/2021). *Advanced Materials*, **2021**, 33, 2170369	24	1
264	Chiral Perovskites for Next-Generation Photonics: From Chirality Transfer to Chiroptical Activity. *Advanced Materials*, **2021**, 33, e2005760	24	34
263	Surface restoration of polycrystalline Sb2Se3 thin films by conjugated molecules enabling high-performance photocathodes for photoelectrochemical water splitting. *Applied Catalysis B: Environmental*, **2021**, 286, 119890	21.8	19
262	Revisiting the Role of the Triple-Phase Boundary in Promoting the Oxygen Reduction Reaction in Aluminum–Air Batteries. *Advanced Functional Materials*, **2021**, 31, 2101720	15.6	1
261	Anion-mediated transition metal electrocatalysts for efficient water electrolysis: Recent advances and future perspectives. *Coordination Chemistry Reviews*, **2021**, 427, 213552	23.2	28
260	Elucidation of the Formation Mechanism of Highly Oriented Multiphase Ruddlesden–Popper Perovskite Solar Cells. *ACS Energy Letters*, **2021**, 6, 249-260	20.1	21
259	Near-complete charge separation in tailored BiVO4-based heterostructure photoanodes toward artificial leaf. *Applied Catalysis B: Environmental*, **2021**, 293, 120217	21.8	17
258	Crystal Facet-Controlled Efficient SnS Photocathodes for High Performance Bias-Free Solar Water Splitting. *Advanced Science*, **2021**, 8, e2102458	13.6	4
257	Binary antisolvent bathing enabled highly efficient and uniform large-area perovskite solar cells. *Chemical Engineering Journal*, **2021**, 423, 130078	14.7	2
256	Electrodeposited Heterogeneous Nickel-Based Catalysts on Silicon for Efficient Sunlight-Assisted Water Splitting. *Cell Reports Physical Science*, **2020**, 1, 100219	6.1	8
255	High-Performance Phase-Pure SnS Photocathodes for Photoelectrochemical Water Splitting Obtained via Molecular Ink-Derived Seed-Assisted Growth of Nanoplates. *ACS Applied Materials & Interfaces*, **2020**, 12, 15155-15166	9.5	20
254	Energy Level-Graded Al-Doped ZnO Protection Layers for Copper Nanowire-Based Window Electrodes for Efficient Flexible Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 13824-13835	9.5	18
253	Chiral 2D Organic Inorganic Hybrid Perovskite with Circular Dichroism Tunable Over Wide Wavelength Range. *Journal of the American Chemical Society*, **2020**, 142, 4206-4212	16.4	74

252	Hierarchically Structured Bifunctional Electrocatalysts of Stacked Core□Shell CoS1□Px Heterostructure Nanosheets for Overall Water Splitting. *Small Methods*, **2020**, 4, 2000043	12.8	18
251	Benchmark performance of low-cost SbSe photocathodes for unassisted solar overall water splitting. *Nature Communications*, **2020**, 11, 861	17.4	61
250	A nanopillar-structured perovskite-based efficient semitransparent solar module for power-generating window applications. *Journal of Materials Chemistry A*, **2020**, 8, 1457-1468	13	24
249	Hierarchal Nanorod-Derived Bilayer Strategy to Enhance the Photocurrent Density of Sb2Se3 Photocathodes for Photoelectrochemical Water Splitting. *ACS Energy Letters*, **2020**, 5, 136-145	20.1	29
248	Solar water splitting exceeding 10% efficiency via low-cost Sb2Se3 photocathodes coupled with semitransparent perovskite photovoltaics. *Energy and Environmental Science*, **2020**, 13, 4362-4370	35.4	20
247	Multifunctional Self-Combustion Additives Strategy to Fabricate Highly Responsive Hybrid Perovskite Photodetectors. *ACS Applied Materials & Interfaces*, **2020**, 12, 41674-41686	9.5	6
246	Efficient electrocatalytic proton reduction on CoP nanocrystals embedded in microporous P, N Co-doped carbon spheres with dual active sites. *Carbon*, **2020**, 156, 529-537	10.4	7
245	Strategies for enhancing the photocurrent, photovoltage, and stability of photoelectrodes for photoelectrochemical water splitting. *Chemical Society Reviews*, **2019**, 48, 4979-5015	58.5	199
244	Rapid advances in antimony triselenide photocathodes for solar hydrogen generation. *Journal of Materials Chemistry A*, **2019**, 7, 20467-20477	13	17
243	Efficient Solar-to-Hydrogen Conversion from Neutral Electrolytes using Morphology-Controlled Sb2Se3 Light Absorbers. *ACS Energy Letters*, **2019**, 4, 517-526	20.1	44
242	Boosting Visible Light Harvesting in p-Type Ternary Oxides for Solar-to-Hydrogen Conversion Using Inverse Opal Structure. *Advanced Functional Materials*, **2019**, 29, 1900194	15.6	29
241	Ultrastable Perovskites: Strain-Mediated Phase Stabilization: A New Strategy for Ultrastable □CsPbI3 Perovskite by Nanoconfined Growth (Small 21/2019). *Small*, **2019**, 15, 1970114	11	1
240	Photocathodes: Boosting Visible Light Harvesting in p-Type Ternary Oxides for Solar-to-Hydrogen Conversion Using Inverse Opal Structure (Adv. Funct. Mater. 17/2019). *Advanced Functional Materials*, **2019**, 29, 1970115	15.6	1
239	Water Splitting: Fullerene as a Photoelectron Transfer Promoter Enabling Stable TiO2-Protected Sb2Se3 Photocathodes for Photo-Electrochemical Water Splitting (Adv. Energy Mater. 16/2019). *Advanced Energy Materials*, **2019**, 9, 1970053	21.8	1
238	Improved catalytic activity under internal reforming solid oxide fuel cell over new rhodium-doped perovskite catalyst. *Journal of Power Sources*, **2019**, 423, 305-315	8.9	7
237	Strain-Mediated Phase Stabilization: A New Strategy for Ultrastable □CsPbI Perovskite by Nanoconfined Growth. *Small*, **2019**, 15, e1900219	11	48
236	Cu-Doped NiOx as an Effective Hole-Selective Layer for a High-Performance Sb2Se3 Photocathode for Photoelectrochemical Water Splitting. *ACS Energy Letters*, **2019**, 4, 995-1003	20.1	54
235	Amino acid salt-driven planar hybrid perovskite solar cells with enhanced humidity stability. *Nano Energy*, **2019**, 59, 481-491	17.1	49

234	Fullerene as a Photoelectron Transfer Promoter Enabling Stable TiO2-Protected Sb2Se3 Photocathodes for Photo-Electrochemical Water Splitting. *Advanced Energy Materials*, **2019**, 9, 1900179	21.8	27
233	Recent Advances in Earth-Abundant Photocathodes for Photoelectrochemical Water Splitting. *ChemSusChem*, **2019**, 12, 1889-1899	8.3	55
232	Cold Antisolvent Bathing Derived Highly Efficient Large-Area Perovskite Solar Cells. *Advanced Energy Materials*, **2019**, 9, 1901719	21.8	44
231	Homologous CoP/NiCoP Heterostructure on N-Doped Carbon for Highly Efficient and pH-Universal Hydrogen Evolution Electrocatalysis. *Advanced Functional Materials*, **2019**, 29, 1807976	15.6	165
230	Black phosphorus supported Ni2P co-catalyst on graphitic carbon nitride enabling simultaneous boosting charge separation and surface reaction. *Applied Catalysis B: Environmental*, **2019**, 242, 422-430	21.8	81
229	Highly active and stable Sr0.92Y0.08Ti1−xRuxO3−δ in dry reforming for hydrogen production. *International Journal of Hydrogen Energy*, **2019**, 44, 202-212	6.7	10
228	A photonic sintering derived Ag flake/nanoparticle-based highly sensitive stretchable strain sensor for human motion monitoring. *Nanoscale*, **2018**, 10, 7890-7897	7.7	74
227	Investigating Recombination and Charge Carrier Dynamics in a One-Dimensional Nanopillared Perovskite Absorber. *ACS Nano*, **2018**, 12, 4233-4245	16.7	29
226	Defect-Free, Highly Uniform Washable Transparent Electrodes Induced by Selective Light Irradiation. *Small*, **2018**, 14, e1800676	11	13
225	Facile Sol-Gel-Derived Craterlike Dual-Functioning TiO Electron Transport Layer for High-Efficiency Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 14649-14658	9.5	12
224	Photoelectrodes based on 2D opals assembled from Cu-delafossite double-shelled microspheres for an enhanced photoelectrochemical response. *Nanoscale*, **2018**, 10, 3720-3729	7.7	21
223	Adjusting the Anisotropy of 1D Sb2Se3 Nanostructures for Highly Efficient Photoelectrochemical Water Splitting. *Advanced Energy Materials*, **2018**, 8, 1702888	21.8	66
222	Performance enhancement of mesoporous TiO2-based perovskite solar cells by ZnS ultrathin-interfacial modification layer. *Journal of Alloys and Compounds*, **2018**, 738, 405-414	5.7	25
221	All-Solution-Processed Silver Nanowire Window Electrode-Based Flexible Perovskite Solar Cells Enabled with Amorphous Metal Oxide Protection. *Advanced Energy Materials*, **2018**, 8, 1702182	21.8	85
220	Highly porous carbon-coated silicon nanoparticles with canyon-like surfaces as a high-performance anode material for Li-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 3028-3037	13	55
219	Controlled Electrodeposition of Photoelectrochemically Active Amorphous MoS Cocatalyst on SbSe Photocathode. *ACS Applied Materials & Interfaces*, **2018**, 10, 10898-10908	9.5	41
218	Spatial charge separation on strongly coupled 2D-hybrid of rGO/La2Ti2O7/NiFe-LDH heterostructures for highly efficient noble metal free photocatalytic hydrogen generation. *Applied Catalysis B: Environmental*, **2018**, 239, 178-186	21.8	73
217	Magnesiothermic Reduction-Enabled Synthesis of Si□e Alloy Nanoparticles with a Canyon-Like Surface Structure for Li□on Battery. *ChemElectroChem*, **2018**, 5, 2729-2733	4.3	10

216	All-Solution-Processed Thermally and Chemically Stable Copper-Nickel Core-Shell Nanowire-Based Composite Window Electrodes for Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 30337-30347	9.5	19
215	Recent advances in high-performance semitransparent perovskite solar cells. *Current Opinion in Electrochemistry*, **2018**, 11, 114-121	7.2	7
214	Time-Resolved Observations of Photo-Generated Charge-Carrier Dynamics in SbSe Photocathodes for Photoelectrochemical Water Splitting. *ACS Nano*, **2018**, 12, 11088-11097	16.7	58
213	Thermally driven in situ exsolution of Ni nanoparticles from (Ni, Gd)CeO2 for high-performance solid oxide fuel cells. *Journal of Materials Chemistry A*, **2018**, 6, 18133-18142	13	16
212	Selective Light-Induced Patterning of Carbon Nanotube/Silver Nanoparticle Composite To Produce Extremely Flexible Conductive Electrodes. *ACS Applied Materials & Interfaces*, **2017**, 9, 6163-6170	9.5	33
211	Printable Semiconducting/Dielectric Materials for Printed Electronics **2017**, 213-227		1
210	Direct methane solid oxide fuel cells based on catalytic partial oxidation enabling complete coking tolerance of Ni-based anodes. *Journal of Power Sources*, **2017**, 345, 30-40	8.9	30
209	A pre-strain strategy for developing a highly stretchable and foldable one-dimensional conductive cord based on a Ag nanowire network. *Nanoscale*, **2017**, 9, 5773-5778	7.7	27
208	Metal-Nanowire-Electrode-Based Perovskite Solar Cells: Challenging Issues and New Opportunities. *Advanced Energy Materials*, **2017**, 7, 1602751	21.8	44
207	A new class of chiral semiconductors: chiral-organic-molecule-incorporating organic–inorganic hybrid perovskites. *Materials Horizons*, **2017**, 4, 851-856	14.4	142
206	Understanding the Critical Role of the Ag Nanophase in Boosting the Initial Reversibility of Transition Metal Oxide Anodes for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 21715-21722	9.5	5
205	All-solid-state thin film battery based on well-aligned slanted LiCoO 2 nanowires fabricated by glancing angle deposition. *Applied Surface Science*, **2017**, 412, 537-544	6.7	16
204	Enhanced Photocurrent of Transparent CuFeO Photocathodes by Self-Light-Harvesting Architecture. *ACS Applied Materials & Interfaces*, **2017**, 9, 14078-14087	9.5	31
203	Self-oriented Sb2Se3 nanoneedle photocathodes for water splitting obtained by a simple spin-coating method. *Journal of Materials Chemistry A*, **2017**, 5, 2180-2187	13	62
202	Chemically Driven Enhancement of Oxygen Reduction Electrocatalysis in Supported Perovskite Oxides. *Journal of Physical Chemistry Letters*, **2017**, 8, 235-242	6.4	3
201	Enhanced compatibility between a copper nanowire-based transparent electrode and a hybrid perovskite absorber by poly(ethylenimine). *Nanoscale*, **2017**, 9, 17207-17211	7.7	12
200	Formation of yttria-stabilized zirconia nanotubes by atomic layer deposition toward efficient solid electrolytes. *Nano Convergence*, **2017**, 4, 31	9.2	3
199	Shape-Reconfigurable Aluminum–Air Batteries. *Advanced Functional Materials*, **2017**, 27, 1702244	15.6	25

198	Perovskite Solar Cells: Metal-Nanowire-Electrode-Based Perovskite Solar Cells: Challenging Issues and New Opportunities (Adv. Energy Mater. 15/2017). *Advanced Energy Materials*, **2017**, 7,	21.8	1
197	Template-directed fabrication of vertically aligned Cu2ZnSnS4 nanorod arrays for photoelectrochemical applications via a non-toxic solution process. *Journal of Alloys and Compounds*, **2017**, 691, 457-465	5.7	14
196	Reducible-Shell-Derived Pure-Copper-Nanowire Network and Its Application to Transparent Conducting Electrodes. *Advanced Functional Materials*, **2016**, 26, 6545-6554	15.6	53
195	Continuous Patterning of Copper Nanowire-Based Transparent Conducting Electrodes for Use in Flexible Electronic Applications. *ACS Nano*, **2016**, 10, 7847-54	16.7	79
194	Parallelized Nanopillar Perovskites for Semitransparent Solar Cells Using an Anodized Aluminum Oxide Scaffold. *Advanced Energy Materials*, **2016**, 6, 1601055	21.8	64
193	Retarding Crystallization during Facile Single Coating of NaCl-Incorporated Precursor Solution for Efficient Large-Area Uniform Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 29419-29426	9.5	27
192	Molecular Chemistry-Controlled Hybrid Ink-Derived Efficient Cu2ZnSnS4 Photocathodes for Photoelectrochemical Water Splitting. *ACS Energy Letters*, **2016**, 1, 1127-1136	20.1	83
191	Low-temperature co-sintering technique for the fabrication of multi-layer functional ceramics for solid oxide fuel cells. *Journal of the European Ceramic Society*, **2016**, 36, 1417-1425	6	16
190	Photoelectrochemical Properties of Vertically Aligned CuInS2 Nanorod Arrays Prepared via Template-Assisted Growth and Transfer. *ACS Applied Materials & Interfaces*, **2016**, 8, 425-31	9.5	22
189	Fully solution-processed transparent electrodes based on silver nanowire composites for perovskite solar cells. *Nanoscale*, **2016**, 8, 6308-16	7.7	82
188	Insertion of Vertically Aligned Nanowires into Living Cells by Inkjet Printing of Cells. *Small*, **2016**, 12, 1446-57	11	11
187	Panoscopic alloying of cobalt in CeO2–ZrO2 solid solutions for superior oxygen-storage capacity. *Acta Materialia*, **2016**, 113, 206-212	8.4	8
186	Roll-to-roll-compatible, flexible, transparent electrodes based on self-nanoembedded Cu nanowires using intense pulsed light irradiation. *Nanoscale*, **2016**, 8, 8995-9003	7.7	44
185	Polyethylenimine-Mediated Electrostatic Assembly of MnO2 Nanorods on Graphene Oxides for Use as Anodes in Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2016**, 8, 11499-506	9.5	42
184	La2O3 interface modification of mesoporous TiO2 nanostructures enabling highly efficient perovskite solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 15478-15485	13	45
183	3D intra-stacked CoO/carbon nanocomposites welded by Ag nanoparticles for high-capacity, reversible lithium storage. *Nanoscale*, **2015**, 7, 10368-76	7.7	22
182	Aqueous Solution-Phase Selenized CuIn(S,Se)2 Thin Film Solar Cells Annealed under Inert Atmosphere. *ACS Applied Materials & Interfaces*, **2015**, 7, 22570-7	9.5	11
181	Promising wet chemical strategies to synthesize Cu nanowires for emerging electronic applications. *Nanoscale*, **2015**, 7, 17195-210	7.7	61

180	Nano-composite structural Ni–Sn alloy anodes for high performance and durability of direct methane-fueled SOFCs. *Journal of Materials Chemistry A*, **2015**, 3, 13801-13806	13	36
179	Salami-like Electrospun Si Nanoparticle-ITO Composite Nanofibers with Internal Conductive Pathways for use as Anodes for Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 27234-41	9.5	13
178	Optimization of Ni–zirconia based anode support for robust and high-performance 5×5 cm2 sized SOFC via tape-casting/co-firing technique and nano-structured anode. *International Journal of Hydrogen Energy*, **2015**, 40, 2792-2799	6.7	12
177	All-Solution-Processed Indium-Free Transparent Composite Electrodes based on Ag Nanowire and Metal Oxide for Thin-Film Solar Cells. *Advanced Functional Materials*, **2014**, 24, 2462-2471	15.6	155
176	Cu(II)-alkyl amine complex mediated hydrothermal synthesis of Cu nanowires: exploring the dual role of alkyl amines. *Physical Chemistry Chemical Physics*, **2014**, 16, 22107-15	3.6	53
175	Extremely flexible, printable Ag conductive features on PET and paper substrates via continuous millisecond photonic sintering in a large area. *Journal of Materials Chemistry C*, **2014**, 2, 9746-9753	7.1	61
174	Influence of precursor type on non-toxic hybrid inks for high-efficiency Cu2ZnSnS4 thin-film solar cells. *Green Chemistry*, **2014**, 16, 4323-4332	10	36
173	Co-planar single chamber solid oxide fuel cells with concentric electrodesPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2014**, 2, 185-189	2.4	2
172	Annealing-free fabrication of highly oxidation-resistive copper nanowire composite conductors for photovoltaics. *NPG Asia Materials*, **2014**, 6, e105-e105	10.3	122
171	Transparent Electronics: All-Solution-Processed Indium-Free Transparent Composite Electrodes based on Ag Nanowire and Metal Oxide for Thin-Film Solar Cells (Adv. Funct. Mater. 17/2014). *Advanced Functional Materials*, **2014**, 24, 2414-2414	15.6	2
170	Role of anions in aqueous sol-gel process enabling flexible Cu(In,Ga)S2 thin-film solar cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 17740-7	9.5	16
169	Bandgap-Graded Cu2Zn(Sn1−xGex)S4 Thin-Film Solar Cells Derived from Metal Chalcogenide Complex Ligand Capped Nanocrystals. *Chemistry of Materials*, **2014**, 26, 3957-3965	9.6	93
168	Non-toxic ethanol based particulate inks for low temperature processed Cu2ZnSn(S,Se)4 solar cells without S/Se treatment. *Solar Energy Materials and Solar Cells*, **2014**, 128, 362-368	6.4	18
167	Effects of atmospheric Ti (III) reduction on Nb2O5-doped Li4Ti5O12 anode materials for lithium ion batteries. *Ceramics International*, **2014**, 40, 8869-8874	5.1	20
166	Characterizing nano-scale electrocatalysis during partial oxidation of methane. *Scientific Reports*, **2014**, 4, 3937	4.9	8
165	Origin of the enhanced photovoltaic characteristics of PbS thin film solar cells processed at near room temperature. *Journal of Materials Chemistry A*, **2014**, 2, 20112-20117	13	71
164	A highly stretchable, helical copper nanowire conductor exhibiting a stretchability of 700%. *NPG Asia Materials*, **2014**, 6, e132-e132	10.3	101
163	Development of solid oxide fuel cells (SOFCs) by tape-casting and single-step co-firing of monolithic laminates. *International Journal of Hydrogen Energy*, **2014**, 39, 2313-2319	6.7	13

162	Solution-deposited Zr-doped AlOx gate dielectrics enabling high-performance flexible transparent thin film transistors. *Journal of Materials Chemistry C*, **2013**, 1, 4275	7.1	104
161	Metal salt-derived InGaZnO semiconductors incorporating formamide as a novel co-solvent for producing solution-processed, electrohydrodynamic-jet printed, high performance oxide transistors. *Journal of Materials Chemistry C*, **2013**, 1, 4236	7.1	67
160	Study on thermal evolution of the CuSe phase in nanoparticle-based absorber layers for solution-processed chalcopyrite photovoltaic devices. *ACS Applied Materials & Interfaces*, **2013**, 5, 6930-6	9.5	9
159	Nanosecond laser ablation of silver nanoparticle film. *Optical Engineering*, **2013**, 52, 024302	1.1	16
158	Synthesis of oxidation-resistant coreshell copper nanoparticles. *RSC Advances*, **2013**, 3, 15169	3.7	50
157	Bendable thin-film transistors based on solgel derived amorphous Ga-doped In2O3 semiconductors. *Superlattices and Microstructures*, **2013**, 59, 21-28	2.8	12
156	Highly concentrated synthesis of copper-zinc-tin-sulfide nanocrystals with easily decomposable capping molecules for printed photovoltaic applications. *Nanoscale*, **2013**, 5, 10183-8	7.7	37
155	Ceria interlayer-free Ba0.5Sr0.5Co0.8Fe0.2O3Sc0.1Zr0.9O1.95 composite cathode on zirconia based electrolyte for intermediate temperature solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2013**, 38, 9320-9329	6.7	14
154	LSCMYSZ nanocomposites for a high performance SOFC anode. *Ceramics International*, **2013**, 39, 9753-9758	5.1	22
153	Highly transparent low resistance ZnO/Ag nanowire/ZnO composite electrode for thin film solar cells. *ACS Nano*, **2013**, 7, 1081-91	16.7	370
152	Facile Microwave-Assisted Synthesis of Multiphase CuInSe2 Nanoparticles and Role of Secondary CuSe Phase on Photovoltaic Device Performance. *Journal of Physical Chemistry C*, **2013**, 117, 9529-9536	3.8	22
151	Influences of infiltrated resin on properties of printed electrodes on non-sintered ceramic films. *Ceramics International*, **2013**, 39, 4961-4967	5.1	2
150	Relationship between printability and rheological behavior of ink-jet conductive inks. *Ceramics International*, **2013**, 39, 7015-7021	5.1	37
149	Band-gap-graded Cu2ZnSn(S1-x,Se(x))4 solar cells fabricated by an ethanol-based, particulate precursor ink route. *Scientific Reports*, **2013**, 3, 3069	4.9	96
148	Thermoelectric Properties of Non-Stoichiometric Zn3.83 + Sb3Polycrystals Sintered by a Hot-Press Method. *Japanese Journal of Applied Physics*, **2013**, 52, 10MB06	1.4	2
147	Thermoelectric and mechanical properties of Zn4Sb3 polycrystals sintered by spark plasma sintering. *Journal of the Korean Physical Society*, **2012**, 60, 1735-1740	0.6	12
146	Electrospun Ni-added SnO2-carbon nanofiber composite anode for high-performance lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2012**, 4, 5408-15	9.5	66
145	High performance and high stability low temperature aqueous solution-derived Lir co-doped ZnO thin film transistors. *Journal of Materials Chemistry*, **2012**, 22, 5390		65

144	A solution-processed yttrium oxide gate insulator for high-performance all-solution-processed fully transparent thin film transistors. *Journal of Materials Chemistry*, **2012**, 22, 21265		93
143	Enhanced performance of solution-processed amorphous LiYInZnO thin-film transistors. *ACS Applied Materials & Interfaces*, **2012**, 4, 1456-61	9.5	42
142	Low-temperature, solution-processed metal oxide thin film transistors. *Journal of Materials Chemistry*, **2012**, 22, 1243-1250		179
141	A non-toxic, solution-processed, earth abundant absorbing layer for thin-film solar cells. *Energy and Environmental Science*, **2012**, 5, 5340-5345	35.4	203
140	Hybrid copper complex-derived conductive patterns printed on polyimide substrates. *Metals and Materials International*, **2012**, 18, 493-498	2.4	17
139	Influence of reduced substrate shunting current on cell performance in integrated planar solid oxide fuel cells. *Ceramics International*, **2012**, 38, 695-700	5.1	8
138	Effect of Glass Composition on the Optical Properties of Color Conversion Glasses for White LED. *Korean Journal of Materials Research*, **2012**, 22, 669-674	0.2	5
137	Effect of carboxylic acid on sintering of inkjet-printed copper nanoparticulate films. *ACS Applied Materials & Interfaces*, **2011**, 3, 2377-82	9.5	82
136	High-performance low-temperature solution-processable ZnO thin film transistors by microwave-assisted annealing. *Journal of Materials Chemistry*, **2011**, 21, 1102-1108		149
135	Solution-processable tin-doped indium oxide with a versatile patternability for transparent oxide thin film transistors. *Journal of Materials Chemistry*, **2011**, 21, 14646		39
134	Influences of pH and ligand type on the performance of inorganic aqueous precursor-derived ZnO thin film transistors. *ACS Applied Materials & Interfaces*, **2011**, 3, 774-81	9.5	32
133	Low-temperature soluble InZnO thin film transistors by microwave annealing. *Journal of Crystal Growth*, **2011**, 326, 23-27	1.6	42
132	Direct photopatternable organic□inorganic hybrid gate dielectric for solution-processed flexible ZnO thin film transistors. *Journal of Materials Chemistry*, **2011**, 21, 11879		33
131	All solution-processed, fully transparent resistive memory devices. *ACS Applied Materials & Interfaces*, **2011**, 3, 4525-30	9.5	55
130	Bias stress stable aqueous solution derived Y-doped ZnO thin film transistors. *Journal of Materials Chemistry*, **2011**, 21, 13524		53
129	Direct Photopatternable Organic□Inorganic Hybrid Materials as a Low Dielectric Constant Passivation Layer for Thin Film Transistor Liquid Crystal Displays. *Journal of Physical Chemistry C*, **2011**, 115, 25056-25062	3.8	7
128	Co-electrospun Pd-coated porous carbon nanofibers for hydrogen storage applications. *International Journal of Hydrogen Energy*, **2011**, 36, 3566-3573	6.7	31
127	Durable high-performance Sm0.5Sr0.5CoO3□Sm0.2Ce0.8O1.9 core-shell type composite cathodes for low temperature solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2011**, 36, 6875-6881	6.7	20

126	Inkjet-printing of indium tin oxide (ITO) films for transparent conducting electrodes. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 1128-1131	3.1	71
125	Effect of gallium content on bias stress stability of solution-deposited GaSnZnO semiconductor transistors. *Thin Solid Films*, **2011**, 519, 6164-6168	2.2	38
124	Design and Preparation of SOFC Unit Cells Using Scandia-Stabilized Zirconia Electrolyte for Intermediate Temperature Operation. *Journal of Fuel Cell Science and Technology*, **2011**, 8,		1
123	Direct nanoprinting by liquid-bridge-mediated nanotransfer moulding. *Nature Nanotechnology*, **2010**, 5, 742-8	28.7	135
122	Low-Temperature Solution-Deposited Oxide Thin-Film Transistors Based on Solution-Processed Organic–Inorganic Hybrid Dielectrics. *Japanese Journal of Applied Physics*, **2010**, 49, 05EB02	1.4	9
121	Inkjet-printing of nonsintered alumina-resin hybrid films and their dielectric properties. *Journal of Applied Physics*, **2010**, 108, 102809	2.5	17
120	Low Temperature Solution-Processed InZnO Thin-Film Transistors. *Journal of the Electrochemical Society*, **2010**, 157, J111	3.9	80
119	Inkjet-printed Cu source/drain electrodes for solution-deposited thin film transistors. *Journal of Materials Chemistry*, **2010**, 20, 3877		44
118	Aging dynamics of solution-processed amorphous oxide semiconductor field effect transistors. *ACS Applied Materials & Interfaces*, **2010**, 2, 626-32	9.5	32
117	Thin Film Transistors with Ink-Jet Printed Amorphous Oxide Semiconductors. *Japanese Journal of Applied Physics*, **2010**, 49, 05EB06	1.4	15
116	Hierarchical titania nanotubes with self-branched crystalline nanorods. *ACS Applied Materials & Interfaces*, **2010**, 2, 1581-7	9.5	24
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