

# Nam-Gyu Park

## 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.

340  
papers

50,256  
citations

96  
h-index

221  
g-index

375  
ext. papers

56,374  
ext. citations

10.9  
avg, IF

8.49  
L-index

#	Paper	IF	Citations
340	Quasi-Two-Dimensional Perovskite Solar Cells with Efficiency Exceeding 22%. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 757-765	20.1	22
339	Effect of Fluorine Substitution in a Hole Dopant on the Photovoltaic Performance of Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 741-748	20.1	4
338	Antiseptic Povidone-Iodine Heals the Grain Boundary of Perovskite Solar Cells.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	9
337	Extended X-ray absorption fine structure (EXAFS) of FAPbI <sub>3</sub> for understanding local structure-stability relation in perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 67, 549-554	12	4
336	Hysteresis of I-V Performance: Its Origin and Engineering for Elimination <b>2022</b> , 215-232		
335	Rethinking the A cation in halide perovskites.. <i>Science</i> , <b>2022</b> , 375, eabj1186	33.3	29
334	Sustainable Green Process for Environmentally Viable Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1154-1177	20.1	5
333	Mixed-Dimensional Formamidinium Bismuth Iodides Featuring In-Situ Formed Type-I Band Structure for Convolution Neural Networks.. <i>Advanced Science</i> , <b>2022</b> , e2200168	13.6	2
332	Stability-limiting heterointerfaces of perovskite photovoltaics.. <i>Nature</i> , <b>2022</b> ,	50.4	31
331	Enhanced band-filling effect in halide perovskites via hydrophobic conductive linkers. <i>Cell Reports Physical Science</i> , <b>2022</b> , 3, 100800	6.1	0
330	High-performing laminated perovskite solar cells by surface engineering of perovskite films. <i>Applied Surface Science</i> , <b>2022</b> , 591, 153148	6.7	2
329	Asymmetric carrier transport in flexible interface-type memristor enables artificial synapses with sub-femtojoule energy consumption. <i>Nanoscale Horizons</i> , <b>2021</b> , 6, 987-997	10.8	5
328	Propylammonium Chloride Additive for Efficient and Stable FAPbI <sub>3</sub> Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102538	21.8	29
327	How antisolvent miscibility affects perovskite film wrinkling and photovoltaic properties. <i>Nature Communications</i> , <b>2021</b> , 12, 1554	17.4	29
326	Dual Additive for Simultaneous Improvement of Photovoltaic Performance and Stability of Perovskite Solar Cell. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100396	15.6	34
325	Nanocrystalline Polymorphic Energy Funnels for Efficient and Stable Perovskite Light-Emitting Diodes. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1821-1830	20.1	10
324	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 <sup>14.7</sup>	14.7	5

323	Nonhalide Materials for Efficient and Stable Perovskite Solar Cells.. <i>Small Methods</i> , <b>2021</b> , 5, e2100311	12.8	7
322	Progress of Perovskite Solar Modules. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2000051	1.6	3
321	Viscosity Blending Approach for 22.42% Efficient Perovskite Solar Cells. <i>Bulletin of the Korean Chemical Society</i> , <b>2021</b> , 42, 1112-1120	1.2	1
320	Device Performance of Emerging Photovoltaic Materials (Version 1). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002774	21.8	56
319	A Review on Scaling Up Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008621	15.6	54
318	Recent cutting-edge strategies for flexible perovskite solar cells toward commercialization. <i>Chemical Communications</i> , <b>2021</b> , 57, 11604-11612	5.8	2
317	Dynamic structural property of organic-inorganic metal halide perovskite. <i>iScience</i> , <b>2021</b> , 24, 101959	6.1	12
316	Scalable perovskite coating via anti-solvent-free Lewis acidBase adduct engineering for efficient perovskite solar modules. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3018-3028	13	27
315	A layered (n-CHNH)CsAgBiBr perovskite for bipolar resistive switching memory with a high ON/OFF ratio. <i>Nanoscale</i> , <b>2021</b> , 13, 12475-12483	7.7	6
314	Dynamic halide perovskite heterojunction generates direct current. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 374-381	35.4	11
313	Capturing Mobile Lithium Ions in a Molecular Hole Transporter Enhances the Thermal Stability of Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007431	24	28
312	Stabilizing Mixed Halide Lead Perovskites against Photoinduced Phase Segregation by A-Site Cation Alloying. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 837-847	20.1	15
311	Nonchemical n- and p-Type Charge Transfer Doping of FAPbI <sub>3</sub> Perovskite. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2817-2824	20.1	5
310	Simultaneous Enhanced Efficiency and Stability of Perovskite Solar Cells Using Adhesive Fluorinated Polymer Interfacial Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35595-35605	9.5	8
309	Amorphous TiO <sub>2</sub> Coatings Stabilize Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 3332-3341	20.1	14
308	Efficient surface passivation of perovskite films by a post-treatment method with a minimal dose. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 3441-3450	13	25
307	A Realistic Methodology for 30% Efficient Perovskite Solar Cells. <i>Chem</i> , <b>2020</b> , 6, 1254-1264	16.2	79
306	Layered (C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> NH <sub>3</sub> ) <sub>2</sub> CuBr <sub>4</sub> Perovskite for Multilevel Storage Resistive Switching Memory. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002653	15.6	42

305	CsPbBr <sub>3</sub> /CH <sub>3</sub> NH <sub>3</sub> PbCl <sub>3</sub> Double Layer Enhances Efficiency and Lifetime of Perovskite Light-Emitting Diodes. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2191-2199	20.1	25
304	Stability of Precursor Solution for Perovskite Solar Cell: Mixture (FAI + PbI) versus Synthetic FAPbI Crystal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15167-15174	9.5	20
303	Proton-transfer-induced 3D/2D hybrid perovskites suppress ion migration and reduce luminance overshoot. <i>Nature Communications</i> , <b>2020</b> , 11, 3378	17.4	51
302	Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. <i>Nature Energy</i> , <b>2020</b> , 5, 35-49	62.3	369
301	17% efficient perovskite solar mini-module via hexamethylphosphoramide (HMPA)-adduct-based large-area D-bar coating. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9345-9354	13	31
300	Scalable fabrication and coating methods for perovskite solar cells and solar modules. <i>Nature Reviews Materials</i> , <b>2020</b> , 5, 333-350	73.3	292
299	Organic-inorganic hybrid lead halides as absorbers in perovskite solar cells: a debate on ferroelectricity. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 493002	3	14
298	High Efficiency Perovskite Solar Cells: Materials and Devices Engineering. <i>Transactions on Electrical and Electronic Materials</i> , <b>2020</b> , 21, 1-15	1.7	15
297	Chemical Approaches for Stabilizing Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903249	1.8	88
296	Achieving Reproducible and High-Efficiency (>21%) Perovskite Solar Cells with a Presynthesized FAPbI <sub>3</sub> Powder. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 360-366	20.1	81
295	Roadmap on halide perovskite and related devices. <i>Nanotechnology</i> , <b>2020</b> , 31, 152001	3.4	15
294	Research Direction toward Scalable, Stable, and High Efficiency Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903106	21.8	118
293	Paradoxical Approach with a Hydrophilic Passivation Layer for Moisture-Stable, 23% Efficient Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 3268-3275	20.1	53
292	Methodologies for structural investigations of organic lead halide perovskites. <i>Materials Today</i> , <b>2020</b> , 38, 67-83	21.8	4
291	Effect of alkaline earth metal chloride additives BCl (B = Mg, Ca, Sr and Ba) on the photovoltaic performance of FAPbI based perovskite solar cells. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1332-1343	10.8	16
290	High-Efficiency Perovskite Solar Cells. <i>Chemical Reviews</i> , <b>2020</b> , 120, 7867-7918	68.1	587
289	A thin film (. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17420-17428	13	7
288	Materials and Methods for Interface Engineering toward Stable and Efficient Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2742-2786	20.1	141

287	Effect of Additives AX (A = FA, MA, Cs, Rb, NH <sub>4</sub> , X = Cl, Br, I) in FAPbI <sub>3</sub> on Photovoltaic Parameters of Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000331	7.1	28
286	Importance of tailoring lattice strain in halide perovskite crystals. <i>NPG Asia Materials</i> , <b>2020</b> , 12,	10.3	30
285	A Correlation between Iodoplumbate and Photovoltaic Performance of Perovskite Solar Cells Observed by Precursor Solution Aging. <i>Small Methods</i> , <b>2020</b> , 4, 1900398	12.8	18
284	Flexible Perovskite Solar Cells. <i>Joule</i> , <b>2019</b> , 3, 1850-1880	27.8	146
283	Precursor Engineering for a Large-Area Perovskite Solar Cell with >19% Efficiency. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2393-2401	20.1	70
282	Hot Scientific Debate on Halide Perovskites: Fundamentals, Photovoltaics, and Optoelectronics at Eighth Sungkyun International Solar Forum 2019 (SISF 2019). <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2475-2479	20.1	3
281	Atomic layer deposition for efficient and stable perovskite solar cells. <i>Chemical Communications</i> , <b>2019</b> , 55, 2403-2416	5.8	52
280	Importance of Oxygen Partial Pressure in Annealing NiO Film for High Efficiency Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800339	7.1	23
279	Morphological and compositional progress in halide perovskite solar cells. <i>Chemical Communications</i> , <b>2019</b> , 55, 1192-1200	5.8	106
278	Bifacial stamping for high efficiency perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 308-321	35.4	56
277	Gradient Sn-Doped Heteroepitaxial Film of Faceted Rutile TiO <sub>2</sub> as an Electron Selective Layer for Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19638-19646	9.5	19
276	Perovskite-related (CHNH)SbBr for forming-free memristor and low-energy-consuming neuromorphic computing. <i>Nanoscale</i> , <b>2019</b> , 11, 6453-6461	7.7	78
275	Light Emission Enhancement by Tuning the Structural Phase of APbBr (A = CHNH, Cs) Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2135-2142	6.4	9
274	Verification and mitigation of ion migration in perovskite solar cells. <i>APL Materials</i> , <b>2019</b> , 7, 041111	5.7	125
273	On the Current-Voltage Hysteresis in Perovskite Solar Cells: Dependence on Perovskite Composition and Methods to Remove Hysteresis. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805214	24	214
272	Causes and Solutions of Recombination in Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803019	24	242
271	Perovskite Cluster-Containing Solution for Scalable D-Bar Coating toward High-Throughput Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1189-1195	20.1	88
270	Predicting synthesizability. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52,	3	161

269	Importance of Functional Groups in Cross-Linking Methoxysilane Additives for High-Efficiency and Stable Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 2192-2200	20.1	80
268	Multifunctional Chemical Linker Imidazoleacetic Acid Hydrochloride for 21% Efficient and Stable Planar Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902902	24	195
267	Water Splitting Exceeding 17% Solar-to-Hydrogen Conversion Efficiency Using Solution-Processed Ni-Based Electrocatalysts and Perovskite/Si Tandem Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33835-33843	9.5	39
266	The effect of compositional engineering of imidazolium lead iodide on the resistive switching properties. <i>Nanoscale</i> , <b>2019</b> , 11, 14455-14464	7.7	12
265	Effect of interlayer spacing in layered perovskites on resistive switching memory. <i>Nanoscale</i> , <b>2019</b> , 11, 14330-14338	7.7	23
264	Potassium ions as a kinetic controller in ionic double layers for hysteresis-free perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18807-18815	13	36
263	Elongated Lifetime and Enhanced Flux of Hot Electrons on a Perovskite Plasmonic Nanodiode. <i>Nano Letters</i> , <b>2019</b> , 19, 5489-5495	11.5	23
262	Effect of bidentate and tridentate additives on the photovoltaic performance and stability of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4977-4987	13	83
261	Control of Crystal Growth toward Scalable Fabrication of Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807047	15.6	74
260	Improvement of efficiency and stability of CuSCN-based inverted perovskite solar cells by post-treatment with potassium thiocyanate. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 269, 367-374	3.3	26
259	Insulated Interlayer for Efficient and Photostable Electron-Transport-Layer-Free Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10132-10140	9.5	28
258	Post-treatment of perovskite film with phenylalkylammonium iodide for hysteresis-less perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 179, 57-65	6.4	64
257	Inorganic Hole Transporting Materials for Stable and High Efficiency Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14039-14063	3.8	125
256	Simply designed carbazole-based hole transporting materials for efficient perovskite solar cells. <i>Organic Electronics</i> , <b>2018</b> , 56, 27-30	3.5	19
255	Efficient and Reproducible CHNHPbI Perovskite Layer Prepared Using a Binary Solvent Containing a Cyclic Urea Additive. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9390-9397	9.5	23
254	Methodologies toward Highly Efficient Perovskite Solar Cells. <i>Small</i> , <b>2018</b> , 14, e1704177	11	266
253	Simultaneous Improvement of Photovoltaic Performance and Stability by In Situ Formation of 2D Perovskite at (FAPbI <sub>3</sub> ) <sub>0.88</sub> (CsPbBr <sub>3</sub> ) <sub>0.12</sub> /CuSCN Interface. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702714	21.8	191
252	Enthusiastic Discussions on Halide Perovskite Materials beyond Photovoltaics at Sungkyun International Solar Forum 2017 (SISF2017). <i>ACS Energy Letters</i> , <b>2018</b> , 3, 199-203	20.1	1

251	Universal Approach toward Hysteresis-Free Perovskite Solar Cell via Defect Engineering. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1358-1364	16.4	512
250	Triphenylamine 3,6-carbazole derivative as hole-transporting material for mixed cation perovskite solar cells. <i>Chemical Papers</i> , <b>2018</b> , 72, 1779-1787	1.9	9
249	Perovskite Solar Cells: Perovskite Solar Cells with Inorganic Electron- and Hole-Transport Layers Exhibiting Long-Term (800 h) Stability at 85 °C under Continuous 1 Sun Illumination in Ambient Air (Adv. Mater. 29/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870210	24	4
248	1D Hexagonal HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> for Multilevel Resistive Switching Nonvolatile Memory. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800190	6.4	43
247	Rear-Surface Passivation by Melaminium Iodide Additive for Stable and Hysteresis-less Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 25372-25383	9.5	48
246	Halide perovskite photovoltaics: History, progress, and perspectives. <i>MRS Bulletin</i> , <b>2018</b> , 43, 527-533	3.2	12
245	CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and HC(NH <sub>2</sub> ) <sub>2</sub> PbI <sub>3</sub> Powders Synthesized from Low-Grade PbI <sub>2</sub> : Single Precursor for High-Efficiency Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2018</b> , 11, 1813-1823	8.3	41
244	Non-doped and unsorted single-walled carbon nanotubes as carrier-selective, transparent, and conductive electrode for perovskite solar cells. <i>MRS Communications</i> , <b>2018</b> , 8, 1058-1063	2.7	10
243	FA Cs PbI <sub>3</sub> (PF <sub>6</sub> ) <sup>-</sup> Interlayer Formed by Ion Exchange Reaction between Perovskite and Hole Transporting Layer for Improving Photovoltaic Performance and Stability. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801948	24	147
242	Stoichiometric and Non-stoichiometric Adduct Approaches for High Efficiency Perovskite Solar Cells. <i>Materials and Energy</i> , <b>2018</b> , 31-58		
241	Dependence of hysteresis on the perovskite film thickness: inverse behavior between TiO <sub>2</sub> and PCBM in a normal planar structure. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18206-18215	13	31
240	Perovskite Solar Cells with Inorganic Electron- and Hole-Transport Layers Exhibiting Long-Term (800 h) Stability at 85 °C under Continuous 1 Sun Illumination in Ambient Air. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801010	24	138
239	Research Direction toward Theoretical Efficiency in Perovskite Solar Cells. <i>ACS Photonics</i> , <b>2018</b> , 5, 2970-2977	29.7	76
238	All-Inorganic Bismuth Halide Perovskite-Like Materials ABiI <sub>3</sub> and ABiNaI <sub>3</sub> (A = Rb and Cs) for Low-Voltage Switching Resistive Memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29741-29749	9.5	60
237	Impact of Excess CH <sub>3</sub> NH <sub>3</sub> I on Free Carrier Dynamics in High-Performance Nonstoichiometric Perovskites. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 3143-3148	3.8	41
236	In-Situ Formed Type I Nanocrystalline Perovskite Film for Highly Efficient Light-Emitting Diode. <i>ACS Nano</i> , <b>2017</b> , 11, 3311-3319	16.7	134
235	Effect of Selective Contacts on the Thermal Stability of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7148-7153	9.5	145
234	High-Performance Long-Term-Stable Dopant-Free Perovskite Solar Cells and Additive-Free Organic Solar Cells by Employing Newly Designed Multirole $\pi$ -Conjugated Polymers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700183	24	113



233	The Interplay between Trap Density and Hysteresis in Planar Heterojunction Perovskite Solar Cells. <i>Nano Letters</i> , <b>2017</b> , 17, 4270-4276	11.5	175
232	Optimization of the Ag/PCBM interface by a rhodamine interlayer to enhance the efficiency and stability of perovskite solar cells. <i>Nanoscale</i> , <b>2017</b> , 9, 9440-9446	7.7	45
231	Acridine-based novel hole transporting material for high efficiency perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7603-7611	13	44
230	A TiO <sub>2</sub> embedded structure for perovskite solar cells with anomalous grain growth and effective electron extraction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1406-1414	13	48
229	Wafer-scale reliable switching memory based on 2-dimensional layered organic-inorganic halide perovskite. <i>Nanoscale</i> , <b>2017</b> , 9, 15278-15285	7.7	83
228	Printable organometallic perovskite enables large-area, low-dose X-ray imaging. <i>Nature</i> , <b>2017</b> , 550, 87-91	10.4	503
227	Stabilizing the Ag Electrode and Reducing J-V Hysteresis through Suppression of Iodide Migration in Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36338-36349	9.5	87
226	Impact of Interfacial Layers in Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2017</b> , 10, 3687-3704	8.3	129
225	Interfacial Modification of Perovskite Solar Cells Using an Ultrathin MAI Layer Leads to Enhanced Energy Level Alignment, Efficiencies, and Reproducibility. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3947-3953	6.4	76
224	Solution-processed SnO <sub>2</sub> thin film for a hysteresis-free planar perovskite solar cell with a power conversion efficiency of 19.2%. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 24790-24803	13	119
223	Perovskite Solar Cells towards Commercialization. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1749-1751	20.1	82
222	Nonstoichiometric Adduct Approach for High-Efficiency Perovskite Solar Cells. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3-10	5.1	22
221	Material and Device Stability in Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2016</b> , 9, 2528-2540	8.3	198
220	Across the Board: Nam-Gyu Park. <i>ChemSusChem</i> , <b>2016</b> , 9, 2525-2527	8.3	
219	Impact of Selective Contacts on Long-Term Stability of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 27840-27848	3.8	40
218	Towards stable and commercially available perovskite solar cells. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	763
217	Self-formed grain boundary healing layer for highly efficient CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	757
216	Moth-Eye TiO <sub>2</sub> Layer for Improving Light Harvesting Efficiency in Perovskite Solar Cells. <i>Small</i> , <b>2016</b> , 12, 2443-9	11	115



215	Role of LiTFSI in high Tg triphenylamine-based hole transporting material in perovskite solar cell. <i>RSC Advances</i> , <b>2016</b> , 6, 68553-68559	3.7	18
214	Organolead Halide Perovskites for Low Operating Voltage Multilevel Resistive Switching. <i>Advanced Materials</i> , <b>2016</b> , 28, 6562-7	24	219
213	Lewis Acid-Base Adduct Approach for High Efficiency Perovskite Solar Cells. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 311-9	24.3	690
212	Dual function interfacial layer for highly efficient and stable lead halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6091-6097	13	66
211	Fully solution-processed transparent electrodes based on silver nanowire composites for perovskite solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 6308-16	7.7	82
210	Mesoscopic perovskite solar cells with an admixture of nanocrystalline TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> : role of interconnectivity of TiO <sub>2</sub> in charge collection. <i>Nanoscale</i> , <b>2016</b> , 8, 6341-51	7.7	24
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207	Transparent Conductive Oxide-Free Graphene-Based Perovskite Solar Cells with over 17% Efficiency. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501873	21.8	161
206	Crystal growth engineering for high efficiency perovskite solar cells. <i>CrystEngComm</i> , <b>2016</b> , 18, 5977-5985	3	71
205	An ultra-thin, un-doped NiO hole transporting layer of highly efficient (16.4%) organic-inorganic hybrid perovskite solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 11403-12	7.7	242
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173	Stability Issues on Perovskite Solar Cells. <i>Photonics</i> , <b>2015</b> , 2, 1139-1151	2.2	158
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