Seul-Gi Kim

List of Publications by Year
in descending order

19 papers	2,534 citations	471509 17 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	3550 citing authors

#	Article	IF	Citations
1	Universal Approach toward Hysteresis-Free Perovskite Solar Cell via Defect Engineering. Journal of the American Chemical Society, 2018, 140, 1358-1364.	13.7	708
2	Multifunctional Chemical Linker Imidazoleacetic Acid Hydrochloride for 21% Efficient and Stable Planar Perovskite Solar Cells. Advanced Materials, 2019, 31, e1902902.	21.0	366
3	The Interplay between Trap Density and Hysteresis in Planar Heterojunction Perovskite Solar Cells. Nano Letters, 2017, 17, 4270-4276.	9.1	226
4	FA_{0.88}Cs_{0.12}PbI_{3â”’}_x(PF₆)_x Interlayer Formed by Ion Exchange Reaction between Perovskite and Hole Transporting Layer for Improving Photovoltaic Performance and Stability. Advanced Materials, 2018, 30, e1801948.	21.0	214
5	Verification and mitigation of ion migration in perovskite solar cells. APL Materials, 2019, 7, .	5.1	179
6	Achieving Reproducible and High-Efficiency (>21%) Perovskite Solar Cells with a Presynthesized FAPbI₃ Powder. ACS Energy Letters, 2020, 5, 360-366.	17.4	139
7	Bifacial stamping for high efficiency perovskite solar cells. Energy and Environmental Science, 2019, 12, 308-321.	30.8	91
8	All-Inorganic Bismuth Halide Perovskite-Like Materials A₃Bi₂I₉ and A₃Bi_{1.8}Na_{0.2}I_{8.6} (A = Rb and Cs) for Low-Voltage Switching Resistive Memory. ACS Applied Materials & Interfaces, 2018, 10, 29741-29749.	8.0	88
9	Rear-Surface Passivation by Melaminium Iodide Additive for Stable and Hysteresis-less Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 25372-25383.	8.0	72
10	1D Hexagonal HC(NH₂)₂PbI₃ for Multilevel Resistive Switching Nonvolatile Memory. Advanced Electronic Materials, 2018, 4, 1800190.	5.1	70
11	Capturing Mobile Lithium Ions in a Molecular Hole Transporter Enhances the Thermal Stability of Perovskite Solar Cells. Advanced Materials, 2021, 33, e2007431.	21.0	64
12	How antisolvent miscibility affects perovskite film wrinkling and photovoltaic properties. Nature Communications, 2021, 12, 1554.	12.8	63
13	CH₃NH₃PbI₃ and HC(NH₂)₂PbI₃ Powders Synthesized from Lowâ€Grade PbI₂: Single Precursor for Highâ€Efficiency Perovskite Solar Cells. ChemSusChem, 2018, 11, 1813-1823.	6.8	61
14	Potassium ions as a kinetic controller in ionic double layers for hysteresis-free perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 18807-18815.	10.3	54
15	CsPbBr₃/CH₃NH₃PbCl₃ Double Layer Enhances Efficiency and Lifetime of Perovskite Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2191-2199.	17.4	44
16	A Correlation between Iodoplumbate and Photovoltaic Performance of Perovskite Solar Cells Observed by Precursor Solution Aging. Small Methods, 2020, 4, 1900398.	8.6	38
17	Effect of Chemical Bonding Nature of Post-Treatment Materials on Photovoltaic Performance of Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 3435-3442.	17.4	34
18	Effect of Fluorine Substitution in a Hole Dopant on the Photovoltaic Performance of Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 741-748.	17.4	14

#	Article	IF	Citations
19	Mixedâ€Dimensional Formamidinium Bismuth Iodides Featuring Inâ€Situ Formed Typeâ€I Band Structure for Convolution Neural Networks. Advanced Science, 2022, 9, e2200168.	11.2	8