

Seul-Gi Kim

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Mixed-Dimensional Formamidinium Bismuth Iodides Featuring In-Situ Formed Type-II Band Structure for Convolution Neural Networks. Advanced Science, 2022, 9, e2200168.	11.2	8
3	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
4	How antisolvent miscibility affects perovskite film wrinkling and photovoltaic properties. Nature Communications, 2021, 12, 1554.	12.8	63
5	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
6	A Correlation between Iodoplumbate and Photovoltaic Performance of Perovskite Solar Cells Observed by Precursor Solution Aging. Small Methods, 2020, 4, 1900398.	8.6	38
7	Achieving Reproducible and High-Efficiency (>21%) Perovskite Solar Cells with a Presynthesized FAPbI ₃ Powder. ACS Energy Letters, 2020, 5, 360-366.	17.4	139
8	CsPbBr ₃ /CH ₃ NH ₃ PbCl ₃ Double Layer Enhances Efficiency and Lifetime of Perovskite Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2191-2199.	17.4	44
9	Multifunctional Chemical Linker Imidazoleacetic Acid Hydrochloride for 21% Efficient and Stable Planar Perovskite Solar Cells. Advanced Materials, 2019, 31, e1902902.	21.0	366
10	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
11	Bifacial stamping for high efficiency perovskite solar cells. Energy and Environmental Science, 2019, 12, 308-321.	30.8	91
12	Verification and mitigation of ion migration in perovskite solar cells. APL Materials, 2019, 7, .	5.1	179
13	Universal Approach toward Hysteresis-Free Perovskite Solar Cell via Defect Engineering. Journal of the American Chemical Society, 2018, 140, 1358-1364.	13.7	708
14	All-Inorganic Bismuth Halide Perovskite-Like Materials A ₃ Bi ₂ I ₉ and A ₃ Bi _{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
15	1D Hexagonal HC(NH ₂) ₂ PbI ₃ for Multilevel Resistive Switching Nonvolatile Memory. Advanced Electronic Materials, 2018, 4, 1800190.	5.1	70
16	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
17	CH ₃ NH ₃ PbI ₃ and HC(NH ₂) ₂ PbI ₃ Powders Synthesized from Low-Grade PbI ₂ : Single Precursor for High-Efficiency Perovskite Solar Cells. ChemSusChem, 2018, 11, 1813-1823.	6.8	61
18	FA _{0.88} Cs _{0.12} PbI ₃ (PF ₆) _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

#	ARTICLE	IF	CITATIONS
19	The Interplay between Trap Density and Hysteresis in Planar Heterojunction Perovskite Solar Cells. Nano Letters, 2017, 17, 4270-4276.	9.1	226