

Nam Joong Jeon

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

31,924
citations

361045

20
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

20292
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent engineering for high-performance inorganic-organic hybrid perovskite solar cells. <i>Nature Materials</i> , 2014, 13, 897-903.	13.3	5,796
2	High-performance photovoltaic perovskite layers fabricated through intramolecular exchange. <i>Science</i> , 2015, 348, 1234-1237.	6.0	5,529
3	Compositional engineering of perovskite materials for high-performance solar cells. <i>Nature</i> , 2015, 517, 476-480.	13.7	5,478
4	Iodide management in formamidinium-lead-halide-based perovskite layers for efficient solar cells. <i>Science</i> , 2017, 356, 1376-1379.	6.0	4,721
5	Efficient perovskite solar cells via improved carrier management. <i>Nature</i> , 2021, 590, 587-593.	13.7	1,972
6	Efficient, stable and scalable perovskite solar cells using poly(3-hexylthiophene). <i>Nature</i> , 2019, 567, 511-515.	13.7	1,867
7	A fluorene-terminated hole-transporting material for highly efficient and stable perovskite solar cells. <i>Nature Energy</i> , 2018, 3, 682-689.	19.8	1,856
8	<i>o</i> -Methoxy Substituents in Spiro-OMeTAD for Efficient Inorganic-Organic Hybrid Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 7837-7840.	6.6	702
9	Voltage output of efficient perovskite solar cells with high open-circuit voltage and fill factor. <i>Energy and Environmental Science</i> , 2014, 7, 2614-2618.	15.6	692
10	Benefits of very thin PCBM and LiF layers for solution-processed p-i-n perovskite solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 2642-2646.	15.6	622
11	Efficient Inorganic-Organic Hybrid Perovskite Solar Cells Based on Pyrene Arylamine Derivatives as Hole-Transporting Materials. <i>Journal of the American Chemical Society</i> , 2013, 135, 19087-19090.	6.6	512
12	Efficient $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Solar Cells Employing Nanostructured $\text{p}^+\text{-type NiO}$ Electrode Formed by a Pulsed Laser Deposition. <i>Advanced Materials</i> , 2015, 27, 4013-4019.	11.1	485
13	Beneficial Effects of PbI_2 Incorporated in Organo-Lead Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502104.	10.2	387
14	Critical Role of Grain Boundaries for Ion Migration in Formamidinium and Methylammonium Lead Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600330.	10.2	360
15	Nanostructured $\text{TiO}_2/\text{CH}_3\text{NH}_3\text{PbI}_3$ heterojunction solar cells employing spiro-OMeTAD/Co-complex as hole-transporting material. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11842.	5.2	301
16	Roll-to-roll gravure-printed flexible perovskite solar cells using eco-friendly antisolvent bathing with wide processing window. <i>Nature Communications</i> , 2020, 11, 5146.	5.8	165
17	Fabrication of metal-oxide-free $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite solar cells processed at low temperature. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3271-3275.	5.2	162
18	Thermal Stability of CuSCN Hole Conductor-Based Perovskite Solar Cells. <i>ChemSusChem</i> , 2016, 9, 2592-2596.	3.6	154

#	ARTICLE	IF	CITATIONS
19	Gravure-Printed Flexible Perovskite Solar Cells: Toward Roll-to-Roll Manufacturing. <i>Advanced Science</i> , 2019, 6, 1802094.	5.6	115
20	A Thermally Induced Perovskite Crystal Control Strategy for Efficient and Photostable Wide-Bandgap Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000033.	3.1	22
21	Molecular Engineering for Function-Tailored Interface Modifier in High-Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	16
22	Solar-Driven Simultaneous Electrochemical CO ₂ Reduction and Water Oxidation Using Perovskite Solar Cells. <i>Energies</i> , 2022, 15, 270.	1.6	6
23	Ultrafast photo-induced carrier dynamics of FAPbI ₃ -MAPbBr ₃ perovskite films fabricated with additives and a hole transport material. <i>Chemical Physics Letters</i> , 2021, 784, 139100.	1.2	4
24	Halide Perovskites for X-ray Detection: The Future of Diagnostic Imaging. <i>Progress in Medical Physics</i> , 2022, 33, 11-24.	0.5	0