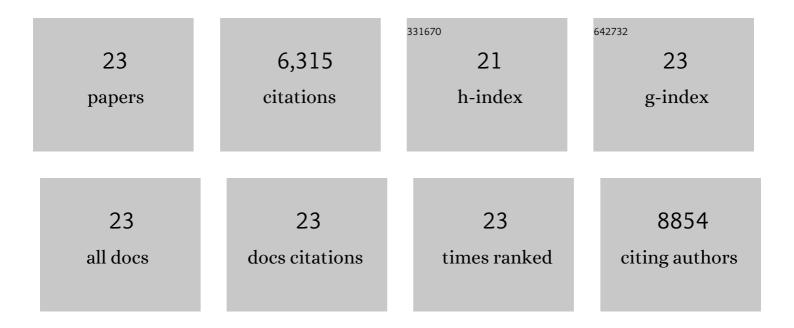
Dae-Yong Son

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Highly Reproducible Perovskite Solar Cells with Average Efficiency of 18.3% and Best Efficiency of 19.7% Fabricated via Lewis Base Adduct of Lead(II) Iodide. Journal of the American Chemical Society, 2015, 137, 8696-8699.	13.7	2,030
2	Lithium-ion batteries: outlook on present, future, and hybridized technologies. Journal of Materials Chemistry A, 2019, 7, 2942-2964.	10.3	1,266
3	Self-formed grain boundary healing layer for highly efficient CH3NH3PbI3 perovskite solar cells. Nature Energy, 2016, 1, .	39.5	902
4	Printable organometallic perovskite enables large-area, low-dose X-ray imaging. Nature, 2017, 550, 87-91.	27.8	763
5	A holistic approach to interface stabilization for efficient perovskite solar modules with over 2,000-hour operational stability. Nature Energy, 2020, 5, 596-604.	39.5	274
6	Scalable Fabrication of Stable High Efficiency Perovskite Solar Cells and Modules Utilizing Room Temperature Sputtered SnO ₂ Electron Transport Layer. Advanced Functional Materials, 2019, 29, 1806779.	14.9	118
7	Unraveling the Impact of Halide Mixing on Perovskite Stability. Journal of the American Chemical Society, 2019, 141, 3515-3523.	13.7	116
8	Hybrid chemical vapor deposition enables scalable and stable Cs-FA mixed cation perovskite solar modules with a designated area of 91.8 cm ² approaching 10% efficiency. Journal of Materials Chemistry A, 2019, 7, 6920-6929.	10.3	112
9	Interfacial Modification of Perovskite Solar Cells Using an Ultrathin MAI Layer Leads to Enhanced Energy Level Alignment, Efficiencies, and Reproducibility. Journal of Physical Chemistry Letters, 2017, 8, 3947-3953.	4.6	101
10	Observation of Enhanced Hole Extraction in Br Concentration Gradient Perovskite Materials. Nano Letters, 2016, 16, 5756-5763.	9.1	91
11	Carbon-Based Electrode Engineering Boosts the Efficiency of All Low-Temperature-Processed Perovskite Solar Cells. ACS Energy Letters, 2019, 4, 2032-2039.	17.4	79
12	Scalable Fabrication of >90 cm ² Perovskite Solar Modules with >1000 h Operational Stability Based on the Intermediate Phase Strategy. Advanced Energy Materials, 2021, 11, 2003712.	19.5	76
13	1D Hexagonal HC(NH ₂) ₂ Pbl ₃ for Multilevel Resistive Switching Nonvolatile Memory. Advanced Electronic Materials, 2018, 4, 1800190.	5.1	70
14	Negligibleâ€Pbâ€Waste and Upscalable Perovskite Deposition Technology for Highâ€Operationalâ€Stability Perovskite Solar Modules. Advanced Energy Materials, 2019, 9, 1803047.	19.5	68
15	Water Splitting Exceeding 17% Solar-to-Hydrogen Conversion Efficiency Using Solution-Processed Ni-Based Electrocatalysts and Perovskite/Si Tandem Solar Cell. ACS Applied Materials & Interfaces, 2019, 11, 33835-33843.	8.0	67
16	Rapid hybrid chemical vapor deposition for efficient and hysteresis-free perovskite solar modules with an operation lifetime exceeding 800 hours. Journal of Materials Chemistry A, 2020, 8, 23404-23412.	10.3	34
17	Inverse Growth of Large-Grain-Size and Stable Inorganic Perovskite Micronanowire Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 14185-14194.	8.0	30
18	Mesoscopic perovskite solar cells with an admixture of nanocrystalline TiO ₂ and Al ₂ O ₃ : role of interconnectivity of TiO ₂ in charge collection. Nanoscale, 2016, 8, 6341-6351.	5.6	26

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#	Article	IF	CITATIONS
19	2D Derivative Phase Induced Growth of 3D All Inorganic Perovskite Micro–Nanowire Array Based Photodetectors. Advanced Functional Materials, 2020, 30, 2002526.	14.9	26
20	Imaging of the Atomic Structure of All-Inorganic Halide Perovskites. Journal of Physical Chemistry Letters, 2020, 11, 818-823.	4.6	26
21	Modulation of photovoltage in mesoscopic perovskite solar cell by controlled interfacial electron injection. RSC Advances, 2015, 5, 47334-47340.	3.6	25
22	The Impact of Atmosphere on Energetics of Lead Halide Perovskites. Advanced Energy Materials, 2020, 10, 2000908.	19.5	12
23	A solid–liquid hybrid electrolyte for lithium ion batteries enabled by a single-body polymer/indium tin oxide architecture. Journal Physics D: Applied Physics, 2021, 54, 475501.	2.8	3