

# Silver Bismuth Sulfoiodide Solar Cells: Tuning Optoelectronic Properties through Surface Modification for Enhanced Photovoltaic Performance

Advanced Energy Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pb-free Sn Perovskite Solar Cells Doped with Samarium Iodide. Chemistry Letters, 2019, 48, 836-839.	0.7	6
2	High-throughput computational design of organic-inorganic hybrid halide semiconductors beyond perovskites for optoelectronics. Energy and Environmental Science, 2019, 12, 2233-2243.	15.6	82
3	Photovoltage Approaching 0.9 V for Planar Heterojunction Silver Bismuth Iodide Solar Cells with Li-TFSI Additive. ACS Applied Energy Materials, 2019, 2, 3651-3656.	2.5	51
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5	Lead-Free Double Perovskites for Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900306.	3.1	127
6	Enhancement of the intrinsic light harvesting capacity of Cs <sub>2</sub> AgBiBr <sub>6</sub> double perovskite via modification with sulphide. Journal of Materials Chemistry A, 2020, 8, 2008-2020.	5.2	54
7	From Pb to Bi: A Promising Family of Pb-Free Optoelectronic Materials and Devices. Advanced Energy Materials, 2020, 10, 1902496.	10.2	108
8	Bulk heterojunction gifts bismuth-based lead-free perovskite solar cells with record efficiency. Nano Energy, 2020, 68, 104362.	8.2	102
9	Emerging inorganic compound thin film photovoltaic materials: Progress, challenges and strategies. Materials Today, 2020, 41, 120-142.	8.3	81
10	A critical review on bismuth and antimony halide based perovskites and their derivatives for photovoltaic applications: recent advances and challenges. Journal of Materials Chemistry A, 2020, 8, 16166-16188.	5.2	130
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12	Effect of solvent vapour annealing on bismuth triiodide film for photovoltaic applications and its optoelectronic properties. Journal of Materials Chemistry C, 2020, 8, 12173-12180.	2.7	19
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14	Prospects of lead-free perovskite-inspired materials for photovoltaic applications. Energy and Environmental Science, 2020, 13, 4691-4716.	15.6	47
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16	Ag-(Bi, Sb, In, Ga)-I Solar Cells: Impacts of Elemental Composition and Additives on the Charge Carrier Dynamics and Crystal Structures. ACS Applied Energy Materials, 2020, 3, 8224-8232.	2.5	16
17	Cs-Incorporated AgBi <sub>4</sub> Rudorffite for Efficient and Stable Solar Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 9980-9987.	3.2	20
18	A Potential Checkmate to Lead: Bismuth in Organometal Halide Perovskites, Structure, Properties, and Applications. Advanced Science, 2020, 7, 1903143.	5.6	60

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20	Gradient formation and charge carrier dynamics of CuBi <sub>4</sub> -based perovskite-like solar cells. Sustainable Energy and Fuels, 2020, 4, 2800-2807.	2.5	10
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38	A-site tailoring in the vacancy-ordered double perovskite semiconductor Cs <sub>2</sub> SnI <sub>6</sub> for photovoltaic application. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111180.	3.0	28
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51	Combinatorial Exploration of Monovalent Metals (M, M <sup>2+</sup> ) in Alkali, 11th-, and 13th-Group Elements toward (M/M <sup>2+</sup> ) <sub>1-x</sub> (Bi/Sb) <sub>x</sub> I Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 6291-6301.	2.5	1
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