

Seunghwan Bae

List of Publications by Year in descending order

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2189
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#	ARTICLE	IF	CITATIONS
1	Controlling the Morphology of Organic-Inorganic Hybrid Perovskites through Dual Additive-Mediated Crystallization for Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17452-17458.	8.0	19
2	A fluorinated polythiophene hole-transport material for efficient and stable perovskite solar cells. <i>Dyes and Pigments</i> , 2019, 164, 1-6.	3.7	31
3	Inorganic Rubidium Cation as an Enhancer for Photovoltaic Performance and Moisture Stability of HC(NH ₂) ₂ PbI ₃ Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1605988.	14.9	194
4	Solution-Processed Ultrathin TiO ₂ Compact Layer Hybridized with Mesoporous TiO ₂ for High-Performance Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36865-36874.	8.0	51
5	Single-Mode Distributed Feedback Laser Operation in Solution-Processed Halide Perovskite Alloy System. <i>Advanced Optical Materials</i> , 2017, 5, 1700545.	7.3	28
6	Development of a conjugated donor-acceptor polyelectrolyte with high work function and conductivity for organic solar cells. <i>Organic Electronics</i> , 2017, 50, 1-6.	2.6	8
7	CH ₃ NH ₃ PbI ₃ crystal orientation and photovoltaic performance of planar heterojunction perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 160, 77-84.	6.2	39
8	Development of Self-Doped Conjugated Polyelectrolytes with Controlled Work Functions and Application to Hole Transport Layer Materials for High-Performance Organic Solar Cells. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500703.	3.7	41
9	Two-dimensional photonic crystal bandedge laser with hybrid perovskite thin film for optical gain. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	48
10	A perylene diimide-based non-fullerene acceptor as an electron transporting material for inverted perovskite solar cells. <i>RSC Advances</i> , 2016, 6, 19923-19927.	3.6	50
11	Performance enhancement of planar heterojunction perovskite solar cells by n-doping of the electron transporting layer. <i>Chemical Communications</i> , 2015, 51, 17413-17416.	4.1	76
12	Two different mechanisms of CH ₃ NH ₃ PbI ₃ film formation in one-step deposition and its effect on photovoltaic properties of OPV-type perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23964-23972.	10.3	72
13	Comparison of Two A Type Polymers with Each Being Fluorinated on D and A Unit for High Performance Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 120-125.	14.9	108
14	Synthesis of 6H-benzo[c]chromene as a new electron-rich building block of conjugated alternating copolymers and its application to polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14146-14153.	10.3	12
15	The effect of different chalcogenophenes in isoindigo-based conjugated copolymers on photovoltaic properties. <i>Polymer Chemistry</i> , 2014, 5, 6545-6550.	3.9	51
16	Enhanced performance of polymer solar cells with PSSA-g-PANI/Graphene oxide composite as hole transport layer. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 599-604.	6.2	32