Seunghwan Bae

List of Publications by Year
in descending order

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16	860	623734 14	940533 16
papers	citations	h-index	g-index

16	16	16	2189
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inorganic Rubidium Cation as an Enhancer for Photovoltaic Performance and Moisture Stability of HC(NH₂)₂PbI₃ Perovskite Solar Cells. Advanced Functional Materials, 2017, 27, 1605988.	14.9	194
2	Comparison of Two Dâ^'A Type Polymers with Each BeingÂFluorinated on D and A Unit for High Performance Solar Cells. Advanced Functional Materials, 2015, 25, 120-125.	14.9	108
3	Performance enhancement of planar heterojunction perovskite solar cells by n-doping of the electron transporting layer. Chemical Communications, 2015, 51, 17413-17416.	4.1	76
4	Two different mechanisms of CH3NH3PbI3film formation in one-step deposition and its effect on photovoltaic properties of OPV-type perovskite solar cells. Journal of Materials Chemistry A, 2015, 3, 23964-23972.	10.3	72
5	The effect of different chalcogenophenes in isoindigo-based conjugated copolymers on photovoltaic properties. Polymer Chemistry, 2014, 5, 6545-6550.	3.9	51
6	Solution-Processed Ultrathin TiO₂ Compact Layer Hybridized with Mesoporous TiO₂ for High-Performance Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 36865-36874.	8.0	51
7	A perylene diimide-based non-fullerene acceptor as an electron transporting material for inverted perovskite solar cells. RSC Advances, 2016, 6, 19923-19927.	3.6	50
8	Two-dimensional photonic crystal bandedge laser with hybrid perovskite thin film for optical gain. Applied Physics Letters, 2016, 108, .	3.3	48
9	Development of Selfâ€Doped Conjugated Polyelectrolytes with Controlled Work Functions and Application to Hole Transport Layer Materials for Highâ€Performance Organic Solar Cells. Advanced Materials Interfaces, 2016, 3, 1500703.	3.7	41
10	CH3NH3PbI3 crystal orientation and photovoltaic performance of planar heterojunction perovskite solar cells. Solar Energy Materials and Solar Cells, 2017, 160, 77-84.	6.2	39
11	Enhanced performance of polymer solar cells with PSSAâ^'gâ^'PANI/Graphene oxide composite as hole transport layer. Solar Energy Materials and Solar Cells, 2014, 130, 599-604.	6.2	32
12	A fluorinated polythiophene hole-transport material for efficient and stable perovskite solar cells. Dyes and Pigments, 2019, 164, 1-6.	3.7	31
13	Singleâ€Mode Distributed Feedback Laser Operation in Solutionâ€Processed Halide Perovskite Alloy System. Advanced Optical Materials, 2017, 5, 1700545.	7.3	28
14	Controlling the Morphology of Organicâ€“Inorganic Hybrid Perovskites through Dual Additive-Mediated Crystallization for Solar Cell Applications. ACS Applied Materials & Interfaces, 2019, 11, 17452-17458.	8.0	19
15	Synthesis of 6H-benzo[c]chromene as a new electron-rich building block of conjugated alternating copolymers and its application to polymer solar cells. Journal of Materials Chemistry A, 2014, 2, 14146-14153.	10.3	12
16	Development of a conjugated donor-acceptor polyelectrolyte with high work function and conductivity for organic solar cells. Organic Electronics, 2017, 50, 1-6.	2.6	8