

KǺri SveinbjǺrnsson

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,304
citations

516710

16
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794594

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all docs

19
docs citations

19
times ranked

2550
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolithic Perovskite/Silicon Tandem Solar Cells Fabricated Using Industrial p-type Polycrystalline Silicon on Oxide/Passivated Emitter and Rear Cell Silicon Bottom Cell Technology. <i>Solar Rrl</i> , 2022, 6, .	5.8	17
2	An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. <i>Nature Energy</i> , 2022, 7, 107-115.	39.5	136
3	The Effect of Lithium Doping in Solution-Processed Nickel Oxide Films for Perovskite Solar Cells. <i>ChemPhysChem</i> , 2019, 20, 3322-3327.	2.1	31
4	Preparation of mixed-ion and inorganic perovskite films using water and isopropanol as solvents for solar cell applications. <i>Sustainable Energy and Fuels</i> , 2018, 2, 606-615.	4.9	29
5	The synergistic effect of dimethyl sulfoxide vapor treatment and C60 electron transporting layer towards enhancing current collection in mixed-ion inverted perovskite solar cells. <i>Journal of Power Sources</i> , 2018, 405, 70-79.	7.8	14
6	Design, synthesis and application of a π -conjugated, non-spiro molecular alternative as hole-transport material for highly efficient dye-sensitized solar cells and perovskite solar cells. <i>Journal of Power Sources</i> , 2017, 344, 11-14.	7.8	49
7	High Temperature-Stable Perovskite Solar Cell Based on Low-Cost Carbon Nanotube Hole Contact. <i>Advanced Materials</i> , 2017, 29, 1606398.	21.0	209
8	FTO-free top-illuminated colloidal quantum dot photovoltaics: Enhanced electro-optics in devices. <i>Solar Energy</i> , 2017, 158, 533-542.	6.1	2
9	Atomic Layer Deposition of Electron Selective SnO ₂ and ZnO Films on Mixed Halide Perovskite: Compatibility and Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29707-29716.	8.0	36
10	Dry-Deposited Transparent Carbon Nanotube Film as Front Electrode in Colloidal Quantum Dot Solar Cells. <i>ChemSusChem</i> , 2017, 10, 434-441.	6.8	21
11	Facile synthesis of fluorene-based hole transport materials for highly efficient perovskite solar cells and solid-state dye-sensitized solar cells. <i>Nano Energy</i> , 2016, 26, 108-113.	16.0	103
12	Ambient air-processed mixed-ion perovskites for high-efficiency solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16536-16545.	10.3	55
13	Acceptor-Donor-Acceptor type ionic molecule materials for efficient perovskite solar cells and organic solar cells. <i>Nano Energy</i> , 2016, 30, 387-397.	16.0	79
14	Fine Tuned Nanolayered Metal/Metal Oxide Electrode for Semitransparent Colloidal Quantum Dot Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 1921-1929.	14.9	37
15	Carbon nanotube-based hybrid hole-transporting material and selective contact for high efficiency perovskite solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 461-466.	30.8	185
16	High-efficiency dye-sensitized solar cells with molecular copper phenanthroline as solid hole conductor. <i>Energy and Environmental Science</i> , 2015, 8, 2634-2637.	30.8	149
17	Probing Photocurrent Generation, Charge Transport, and Recombination Mechanisms in Mesoporous Hybrid Perovskite through Photoconductivity Measurements. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4259-4264.	4.6	28
18	Enhanced Crystallinity in Organic-Inorganic Lead Halide Perovskites on Mesoporous TiO ₂ via Disorder-Order Phase Transition. <i>Chemistry of Materials</i> , 2014, 26, 4466-4471.	6.7	118

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19	Two-dimensional REMPI of CF ₃ Br: Rydberg states and photofragmentation channels. Chemical Physics Letters, 2011, 516, 12-16.	2.6	6