List of Publications by Year in descending order

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Υονςζηέν Μίι

#	Article	IF	CITATIONS
1	Improving Contact and Passivation of Buried Interface for Highâ€Efficiency and Largeâ€Area Inverted Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, 2109968.	14.9	47
2	Efficient and Stable Methylammonium-Free Tin-Lead Perovskite Solar Cells with Hexaazatrinaphthylene-Based Hole-Transporting Materials. ACS Applied Materials & Interfaces, 2022, 14, 6852-6858.	8.0	13
3	Methylthiophene terminated D–ï€â€"D molecular semiconductors as multifunctional interfacial materials for high performance perovskite solar cells. Journal of Materials Chemistry C, 2022, 10, 1862-1869.	5.5	4
4	Dopant-free hole-transporting materials for stable Sb ₂ (S,Se) ₃ solar cells. Chemical Communications, 2022, 58, 4787-4790.	4.1	15
5	Reconstructed covalent organic frameworks. Nature, 2022, 604, 72-79.	27.8	190
6	Stable αâ€FAPbI ₃ in Inverted Perovskite Solar Cells with Efficiency Exceeding 22% via a Selfâ€Passivation Strategy. Advanced Functional Materials, 2022, 32, .	14.9	47
7	Synergistic effect of amide and fluorine of polymers assist stable inverted perovskite solar cells with fill factorÂ>Â83%. Chemical Engineering Journal, 2022, 442, 136136.	12.7	29
8	Molecular engineering of starâ€shaped indoline hole transport materials: The influence of planarity on the hole extraction and transport processes. Chemistry - A European Journal, 2022, , .	3.3	1
9	Robust hole transport material with interface anchors enhances the efficiency and stability of inverted formamidinium–cesium perovskite solar cells with a certified efficiency of 22.3%. Energy and Environmental Science, 2022, 15, 2567-2580.	30.8	46
10	In situ growth of graphene on both sides of a Cu–Ni alloy electrode for perovskite solar cells with improved stability. Nature Energy, 2022, 7, 520-527.	39.5	68
11	A Coplanar Ï€â€Extended Quinoxaline Based Holeâ€Transporting Material Enabling over 21 % Efficiency for Dopantâ€Free Perovskite Solar Cells. Angewandte Chemie, 2021, 133, 2706-2711.	2.0	17
12	A Coplanar Ï€â€Extended Quinoxaline Based Holeâ€Transporting Material Enabling over 21 % Efficiency for Dopantâ€Free Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 2674-2679.	13.8	140
13	Anchorable Perylene Diimides as Chemically Inert Electron Transport Layer for Efficient and Stable Perovskite Solar Cells with High Reproducibility. Solar Rrl, 2021, 5, 2000736.	5.8	14
14	Comparative Studies on the Structure–Performance Relationships of Phenothiazine-Based Organic Dyes for Dye-Sensitized Solar Cells. ACS Omega, 2021, 6, 6817-6823.	3.5	16
15	Making Room for Growing Oriented FASnl ₃ with Large Grains via Cold Precursor Solution. Advanced Functional Materials, 2021, 31, 2100931.	14.9	57
16	Bonding Strength Regulates Anchoringâ€Based Selfâ€Assembly Monolayers for Efficient and Stable Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2103847.	14.9	53
17	Engineering Nanoparticulate Organic Photocatalysts via a Scalable Flash Nanoprecipitation Process for Efficient Hydrogen Production. Angewandte Chemie, 2021, 133, 15718-15725.	2.0	1
18	Engineering Nanoparticulate Organic Photocatalysts via a Scalable Flash Nanoprecipitation Process for Efficient Hydrogen Production. Angewandte Chemie - International Edition, 2021, 60, 15590-15597.	13.8	29

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19	Lignin Nanoparticles: Promising Sustainable Building Blocks of Photoluminescent and Haze Films for Improving Efficiency of Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 33536-33545.	8.0	13
20	The Main Progress of Perovskite Solar Cells in 2020–2021. Nano-Micro Letters, 2021, 13, 152.	27.0	250
21	Star-shaped D-Ï€-D hole-transporting materials regulated by molecular planarity and their application in efficient perovskite solar cells. Journal of Power Sources, 2021, 506, 230102.	7.8	7
22	Reduction of Nonradiative Loss in Inverted Perovskite Solar Cells by Donorâ^'π–Acceptor Dipoles. ACS Applied Materials & Interfaces, 2021, 13, 44321-44328.	8.0	30
23	Pyridine functionalized phenothiazine derivatives as low-cost and stable hole-transporting material for perovskite solar cells. Materials Today Energy, 2021, , 100903.	4.7	4
24	Synergistic Coassembly of Highly Wettable and Uniform Holeâ€Extraction Monolayers for Scalingâ€up Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 1909509.	14.9	41
25	Phenanthreneâ€Fusedâ€Quinoxaline as a Key Building Block for Highly Efficient and Stable Sensitizers in Copperâ€Electrolyteâ€Based Dye‧ensitized Solar Cells. Angewandte Chemie, 2020, 132, 9410-9415.	2.0	17
26	Phenanthreneâ€Fusedâ€Quinoxaline as a Key Building Block for Highly Efficient and Stable Sensitizers in Copperâ€Electrolyteâ€Based Dyeâ€6ensitized Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 9324-9329.	13.8	59
27	Stabilizing Formamidinium Lead Iodide Perovskite by Sulfonylâ€Functionalized Phenethylammonium Salt via Crystallization Control and Surface Passivation. Solar Rrl, 2020, 4, 2000069.	5.8	33
28	Electron-enriched thione enables strong Pb–S interaction for stabilizing high quality CsPbl ₃ perovskite films with low-temperature processing. Chemical Science, 2020, 11, 3132-3140.	7.4	29
29	High Electron Affinity Enables Fast Hole Extraction for Efficient Flexible Inverted Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 1903487.	19.5	210
30	Charge-transport layer engineering in perovskite solar cells. Science Bulletin, 2020, 65, 1237-1241.	9.0	115
31	Indeno[1,2â€ <i>b</i>]carbazole as Methoxyâ€Free Donor Group: Constructing Efficient and Stable Holeâ€Transporting Materials for Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 15868-15872.	2.0	15
32	Indeno[1,2â€ <i>b</i>]carbazole as Methoxyâ€Free Donor Group: Constructing Efficient and Stable Holeâ€Transporting Materials for Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 15721-15725.	13.8	94
33	Semi‣ocked Tetrathienylethene as a Building Block for Holeâ€Transporting Materials: Toward Efficient and Stable Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 3824-3829.	2.0	29
34	Semiâ€Locked Tetrathienylethene as a Building Block for Holeâ€Transporting Materials: Toward Efficient and Stable Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 3784-3789.	13.8	163
35	Efficient Defect Passivation for Perovskite Solar Cells by Controlling the Electron Density Distribution of Donorâ€i€â€Acceptor Molecules. Advanced Energy Materials, 2019, 9, 1803766.	19.5	280
36	Efficient p-i-n structured perovskite solar cells employing low-cost and highly reproducible oligomers as hole transporting materials. Science China Chemistry, 2019, 62, 767-774.	8.2	16

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37	Efficient and Stable Chemical Passivation on Perovskite Surface via Bidentate Anchoring. Advanced Energy Materials, 2019, 9, 1803573.	19.5	232
38	Self-assembled naphthalimide derivatives as an efficient and low-cost electron extraction layer for n-i-p perovskite solar cells. Chemical Communications, 2019, 55, 13239-13242.	4.1	27
39	Comprehensive control of voltage loss enables 11.7% efficient solid-state dye-sensitized solar cells. Energy and Environmental Science, 2018, 11, 1779-1787.	30.8	148
40	Molecular Engineering of Quinoxaline-Based D–Aâ~'π–A Organic Sensitizers: Taking the Merits of a Large and Rigid Auxiliary Acceptor. ACS Applied Materials & Interfaces, 2018, 10, 13635-13644.	8.0	45
41	Control of Electrical Potential Distribution for High-Performance Perovskite Solar Cells. Joule, 2018, 2, 296-306.	24.0	138
42	Extrinsic Movable Ions in MAPbI ₃ Modulate Energy Band Alignment in Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1701981.	19.5	62
43	Incorporating quinoxaline unit as additional acceptor for constructing efficient donor-free solar cell sensitizers. Dyes and Pigments, 2018, 149, 65-72.	3.7	10
44	Sulfone-containing covalent organic frameworks for photocatalytic hydrogen evolution from water. Nature Chemistry, 2018, 10, 1180-1189.	13.6	883
45	Low cost and stable quinoxaline-based hole-transporting materials with a D–A–D molecular configuration for efficient perovskite solar cells. Chemical Science, 2018, 9, 5919-5928.	7.4	146
46	Thermally Stable MAPbI ₃ Perovskite Solar Cells with Efficiency of 19.19% and Area over 1 cm ² achieved by Additive Engineering. Advanced Materials, 2017, 29, 1701073.	21.0	541
47	Accurate and fast evaluation of perovskite solar cells with least hysteresis. Applied Physics Express, 2017, 10, 076601.	2.4	12
48	Diffusion engineering of ions and charge carriers for stable efficient perovskite solar cells. Nature Communications, 2017, 8, 15330.	12.8	356
49	Stable Inverted Planar Perovskite Solar Cells with Lowâ€Temperatureâ€Processed Holeâ€Transport Bilayer. Advanced Energy Materials, 2017, 7, 1700763.	19.5	115
50	Vertical recrystallization for highly efficient and stable formamidinium-based inverted-structure perovskite solar cells. Energy and Environmental Science, 2017, 10, 1942-1949.	30.8	402
51	Molecular engineering and sequential cosensitization for preventing the "trade-off―effect with photovoltaic enhancement. Chemical Science, 2017, 8, 2115-2124.	7.4	41
52	Costâ€Performance Analysis of Perovskite Solar Modules. Advanced Science, 2017, 4, 1600269.	11.2	345
53	Annealing-free perovskite films by instant crystallization for efficient solar cells. Journal of Materials Chemistry A, 2016, 4, 8548-8553.	10.3	103
54	Novel Squaraine Cosensitization System of Panchromatic Light-Harvesting with Synergistic Effect for Highly Efficient Solar Cells. ACS Sustainable Chemistry and Engineering, 2016, 4, 3567-3574.	6.7	23

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55	Enhanced Stability of Perovskite Solar Cells through Corrosionâ€Free Pyridine Derivatives in Holeâ€Transporting Materials. Advanced Materials, 2016, 28, 10738-10743.	21.0	147
56	Perovskite solar cells with 18.21% efficiency andÂarea over 1 cm2 fabricated by heterojunctionÂengineering. Nature Energy, 2016, 1, .	39.5	555
57	Highâ€Quality Mixedâ€Organicâ€Cation Perovskites from a Phaseâ€Pure Nonâ€stoichiometric Intermediate (FAI) _{1â^'} <i>_x</i> â€PbI ₂ for Solar Cells. Advanced Materials, 2015, 27, 4918-4923.	21.0	140
58	Selective Deposition of Insulating Metal Oxide in Perovskite Solar Cells with Enhanced Device Performance. ChemSusChem, 2015, 8, 2625-2629.	6.8	10
59	Rational Molecular Engineering of Indoline-Based D-A-Ï€-A Organic Sensitizers for Long-Wavelength-Responsive Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 26802-26810.	8.0	48
60	Insight into D–Aâ^"ĩ€â€"A Structured Sensitizers: A Promising Route to Highly Efficient and Stable Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 9307-9318.	8.0	278
61	D–A–ï€â€"A featured sensitizers containing an auxiliary acceptor of benzoxadiazole: molecular engineering and co-sensitization. Journal of Materials Chemistry A, 2015, 3, 10603-10609.	10.3	33
62	Cosensitization of D-A-Ï€-A Quinoxaline Organic Dye: Efficiently Filling the Absorption Valley with High Photovoltaic Efficiency. ACS Applied Materials & Interfaces, 2015, 7, 5296-5304.	8.0	102
63	Efficient and stable large-area perovskite solar cells with inorganic charge extraction layers. Science, 2015, 350, 944-948.	12.6	2,007
64	Consecutive Morphology Controlling Operations for Highly Reproducible Mesostructured Perovskite Solar Cells. ACS Applied Materials & amp; Interfaces, 2015, 7, 20707-20713.	8.0	43
65	Hybrid interfacial layer leads to solid performance improvement of inverted perovskite solar cells. Energy and Environmental Science, 2015, 8, 629-640.	30.8	285
66	Co-sensitization of benzoxadiazole based D–A–π–A featured sensitizers: compensating light-harvesting and retarding charge recombination. Journal of Materials Chemistry A, 2014, 2, 14649-14657.	10.3	39
67	Insight into Benzothiadiazole Acceptor in D–Aâ^'π–A Configuration on Photovoltaic Performances of Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2014, 2, 1026-1034.	6.7	86
68	Effect of a Long Alkyl Group on Cyclopentadithiophene as a Conjugated Bridge for D–Aâ^'π–A Organic Sensitizers: IPCE, Electron Diffusion Length, and Charge Recombination. ACS Applied Materials & Interfaces, 2014, 6, 14621-14630.	8.0	67
69	Retarding the crystallization of PbI ₂ for highly reproducible planar-structured perovskite solar cells via sequential deposition. Energy and Environmental Science, 2014, 7, 2934-2938.	30.8	807
70	A dopant-free hole-transporting material for efficient and stable perovskite solar cells. Energy and Environmental Science, 2014, 7, 2963-2967.	30.8	668
71	Dye-Sensitized Solar Cells Based on Quinoxaline Dyes: Effect of ï€-Linker on Absorption, Energy Levels, and Photovoltaic Performances. Journal of Physical Chemistry C, 2014, 118, 16552-16561.	3.1	72
72	Highly compact TiO ₂ layer for efficient hole-blocking in perovskite solar cells. Applied Physics Express, 2014, 7, 052301.	2.4	199

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73	Near-Infrared Colorimetric and Fluorescent Cu ²⁺ Sensors Based on Indoline–Benzothiadiazole Derivatives via Formation of Radical Cations. ACS Applied Materials & Interfaces, 2013, 5, 12215-12220.	8.0	56
74	Organic sensitizers from D–̀–A to D–A–π–A: effect of the internal electron-withdrawing units on molecular absorption, energy levels and photovoltaic performances. Chemical Society Reviews, 2013, 42, 2039-2058.	38.1	997
75	Constructing High-Efficiency D–Aâ~'π–A-Featured Solar Cell Sensitizers: a Promising Building Block of 2,3-Diphenylquinoxaline for Antiaggregation and Photostability. ACS Applied Materials & Interfaces, 2013, 5, 4986-4995.	8.0	187
76	Organic sensitizers incorporating 3,4-ethylenedioxythiophene as the conjugated bridge: Joint photophysical and electrochemical analysis of photovoltaic performance. Dyes and Pigments, 2013, 99, 176-184.	3.7	17
77	D-A-Ï€-A Featured Sensitizers Bearing Phthalimide and Benzotriazole as Auxiliary Acceptor: Effect on Absorption and Charge Recombination Dynamics in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2012, 4, 1822-1830.	8.0	148
78	A novel D–A-ï€-A organic sensitizer containing a diketopyrrolopyrrole unit with a branched alkyl chain for highly efficient and stable dye-sensitized solar cells. Chemical Communications, 2012, 48, 6972.	4.1	229
79	High-conversion-efficiency organic dye-sensitized solar cells: molecular engineering on D–A–i̇́€-A featured organic indoline dyes. Energy and Environmental Science, 2012, 5, 8261.	30.8	308
80	Constructing Organic D–A–πâ€Aâ€Featured Sensitizers with a Quinoxaline Unit for Highâ€Efficiency Solar Cells: The Effect of an Auxiliary Acceptor on the Absorption and the Energy Level Alignment. Chemistry - A European Journal, 2012, 18, 8190-8200.	3.3	171
81	Hexylthiopheneâ€Featured D–A–π–A Structural Indoline Chromophores for Coadsorbentâ€Free and Panchromatic Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2012, 2, 149-156.	19.5	190
82	Absorption and photovoltaic properties of organic solar cell sensitizers containing fluorene unit as conjunction bridge. Energy and Environmental Science, 2011, 4, 1830.	30.8	88
83	Incorporating Benzotriazole Moiety to Construct D–Aâ^'ï€â€"A Organic Sensitizers for Solar Cells: Significant Enhancement of Open-Circuit Photovoltage with Long Alkyl Group. Chemistry of Materials, 2011, 23, 4394-4401.	6.7	253
84	Organic Dâ€Aâ€ë€â€A Solar Cell Sensitizers with Improved Stability and Spectral Response. Advanced Functional Materials, 2011, 21, 756-763.	14.9	601