

# Zhong-Sheng Wang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4223033/zhong-sheng-wang-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108 papers	11,344 citations	49 h-index	106 g-index
112 ext. papers	11,837 ext. citations	9.2 avg, IF	6.23 L-index

#	Paper	IF	Citations
108	Significant influence of TiO <sub>2</sub> photoelectrode morphology on the energy conversion efficiency of N719 dye-sensitized solar cell. <i>Coordination Chemistry Reviews</i> , <b>2004</b> , 248, 1381-1389	23.2	977
107	Alkyl-functionalized organic dyes for efficient molecular photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14256-7	16.4	793
106	In situ growth of Co(0.85)Se and Ni(0.85)Se on conductive substrates as high-performance counter electrodes for dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10953-8	16.4	695
105	Hexylthiophene-Functionalized Carbazole Dyes for Efficient Molecular Photovoltaics: Tuning of Solar-Cell Performance by Structural Modification. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3993-4003	9.6	582
104	Organic D-A- $\pi$ A Solar Cell Sensitizers with Improved Stability and Spectral Response. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 756-763	15.6	553
103	Oligothiophene-containing coumarin dyes for efficient dye-sensitized solar cells. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 15476-82	3.4	531
102	Thiophene-Functionalized Coumarin Dye for Efficient Dye-Sensitized Solar Cells: Electron Lifetime Improved by Coadsorption of Deoxycholic Acid. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7224-7230	3.8	458
101	Significant efficiency improvement of the black dye-sensitized solar cell through protonation of TiO <sub>2</sub> films. <i>Langmuir</i> , <b>2005</b> , 21, 4272-6	4	312
100	Photophysical and (photo)electrochemical properties of a coumarin dye. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3907-14	3.4	279
99	A Highly Efficient Solar Cell Made from a Dye-Modified ZnO-Covered TiO <sub>2</sub> Nanoporous Electrode. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 678-682	9.6	274
98	Molecular Design of Coumarin Dyes for Stable and Efficient Organic Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 17011-17017	3.8	226
97	Incorporating Benzotriazole Moiety to Construct D $\pi$ A Organic Sensitizers for Solar Cells: Significant Enhancement of Open-Circuit Photovoltage with Long Alkyl Group. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4394-4401	9.6	222
96	Electronic-Insulating Coating of CaCO <sub>3</sub> on TiO <sub>2</sub> Electrode in Dye-Sensitized Solar Cells: Improvement of Electron Lifetime and Efficiency. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2912-2916	9.6	213
95	Enhancing Perovskite Solar Cell Performance by Interface Engineering Using CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>0.9</sub> I <sub>0.1</sub> Quantum Dots. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8581-7	16.4	194
94	Photoelectric Conversion Properties of Nanocrystalline TiO <sub>2</sub> Electrodes Sensitized with Hemicyanine Derivatives. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 9676-9682	3.4	191
93	NiSe <sub>2</sub> as an efficient electrocatalyst for a Pt-free counter electrode of dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 1437-9	5.8	187
92	NiS <sub>2</sub> /Reduced Graphene Oxide Nanocomposites for Efficient Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 6561-6566	3.8	186

91	Efficient eosin y dye-sensitized solar cell containing Br-/Br <sub>3</sub> - electrolyte. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 22449-55	3.4	184
90	Flexible, light-weight, ultrastrong, and semiconductive carbon nanotube fibers for a highly efficient solar cell. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 1815-9	16.4	173
89	Hexylthiophene-Featured DAA Structural Indoline Chromophores for Coadsorbent-Free and Panchromatic Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 149-156	21.8	172
88	Highly efficient sensitization of nanocrystalline TiO <sub>2</sub> films with styryl benzothiazolium propylsulfonate. <i>Chemical Communications</i> , <b>2000</b> , 2063-2064	5.8	166
87	Thiophene-Bridged Double D- $\pi$ A Dye for Efficient Dye-Sensitized Solar Cell. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3493-3499	9.6	164
86	Dye-Sensitized W-Doped TiO <sub>2</sub> Solar Cells with a Tunable Conduction Band and Suppressed Charge Recombination. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 12665-12671	3.8	164
85	Gold nanoparticles inlaid TiO <sub>2</sub> photoanodes: a superior candidate for high-efficiency dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2156	35.4	162
84	Photocurrent Enhancement of Hemicyanine Dyes Containing RSO <sub>3</sub> - Group through Treating TiO <sub>2</sub> Films with Hydrochloric Acid. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 9210-9217	3.4	150
83	High photostability and quantum yield of nanoporous TiO <sub>2</sub> thin film electrodes co-sensitized with capped sulfides. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1459-1464		148
82	Molecular Engineering of Quinoxaline-Based Organic Sensitizers for Highly Efficient and Stable Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 3179-3187	9.6	129
81	Ligand-Assisted Assembly Approach to Synthesize Large-Pore Ordered Mesoporous Titania with Thermally Stable and Crystalline Framework. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 241-248	21.8	123
80	TiO <sub>2</sub> nanorod arrays grown from a mixed acid medium for efficient dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 2145	35.4	121
79	Substituted carbazole dyes for efficient molecular photovoltaics: long electron lifetime and high open circuit voltage performance. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4829		121
78	Metal Selenides as Efficient Counter Electrodes for Dye-Sensitized Solar Cells. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 895-904	24.3	113
77	Organic Sensitizers Based on Hexylthiophene-Functionalized Indolo[3,2-b]carbazole for Efficient Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13409-13415	3.8	109
76	Novel ester-functionalized solid-state electrolyte for highly efficient all-solid-state dye-sensitized solar cells. <i>Advanced Materials</i> , <b>2012</b> , 24, 121-4	24	108
75	Long-term stability of organic dye-sensitized solar cells based on an alkyl-functionalized carbazole dye. <i>Energy and Environmental Science</i> , <b>2009</b> , 2, 1109	35.4	100
74	Effect of Cations in Coadsorbate on Charge Recombination and Conduction Band Edge Movement in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7190-7195	3.8	98

73	High-performance perovskite photoanode enabled by Ni passivation and catalysis. <i>Nano Letters</i> , <b>2015</b> , 15, 3452-7	11.5	93
72	In situ growth of oriented polyaniline nanowires array for efficient cathode of Co(III)/Co(II) mediated dye-sensitized solar cell. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 97-104	13	92
71	Facile Synthesis and High Performance of a New Carbazole-Based Hole-Transporting Material for Hybrid Perovskite Solar Cells. <i>ACS Photonics</i> , <b>2015</b> , 2, 849-855	6.3	91
70	Single-crystal CoSe <sub>2</sub> nanorods as an efficient electrocatalyst for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16023-16029	13	82
69	Enhanced charge transportation in a polypyrrole counter electrode via incorporation of reduced graphene oxide sheets for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 546-552	3.6	79
68	Ionic conductor with high conductivity as single-component electrolyte for efficient solid-state dye-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12627-33	16.4	77
67	Exploitation of Ionic Liquid Electrolyte for Dye-Sensitized Solar Cells by Molecular Modification of Organic-Dye Sensitizers. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2810-2816	9.6	75
66	X-shaped organic dyes with a quinoxaline bridge for use in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9697	13	57
65	Characterization of Perovskite Obtained from Two-Step Deposition on Mesoporous Titania. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25770-6	9.5	55
64	Near infrared thieno[3,4-b]pyrazine sensitizers for efficient quasi-solid-state dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 4802-9	3.6	55
63	A near-infrared dithieno[2,3-a:3',2'-c]phenazine-based organic co-sensitizer for highly efficient and stable quasi-solid-state dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19308-17	9.5	52
62	Enhanced electrocatalytic performance of graphene via incorporation of SiO <sub>2</sub> nanoparticles for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17321		51
61	Effect of Surface Protonation of TiO <sub>2</sub> on Charge Recombination and Conduction Band Edge Movement in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15417-15421	3.8	51
60	Effect of the co-sensitization sequence on the performance of dye-sensitized solar cells with porphyrin and organic dyes. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 932-8	3.6	49
59	N3-sensitized TiO <sub>2</sub> films: in situ proton exchange toward open-circuit photovoltage enhancement. <i>Langmuir</i> , <b>2006</b> , 22, 9718-22	4	45
58	Double D <sub>2</sub> A branched organic dye isomers for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17153-17164	13	44
57	Reduced graphene oxide-TaON composite as a high-performance counter electrode for Co(bpy) <sub>3</sub> (3+/2+)-mediated dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8217-24	9.5	42
56	Photoelectric behavior of nanocrystalline TiO <sub>2</sub> electrode with a novel terpyridyl ruthenium complex. <i>Solar Energy Materials and Solar Cells</i> , <b>2002</b> , 71, 261-271	6.4	42

55	Synthesis and photovoltaic properties of organic sensitizers incorporating a thieno[3,4-c]pyrrole-4,6-dione moiety. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 7993-9	3.6	39
54	Enhanced performance of quasi-solid-state dye-sensitized solar cells by tuning the building blocks in D-A- $\pi$ -A featured organic dyes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9869-9881	13	37
53	Highly efficient charge transfer from a trans-ruthenium bipyridine complex to nanocrystalline TiO <sub>2</sub> particles. <i>New Journal of Chemistry</i> , <b>2000</b> , 24, 567-568	3.6	35
52	Energy level engineering of thieno[3,4-b]pyrazine based organic sensitizers for quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3342-3355	13	33
51	Facile and selective synthesis of oligothiophene-based sensitizer isomers: an approach toward efficient dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8982-90	9.5	32
50	POSS with eight imidazolium iodide arms for efficient solid-state dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2014</b> , 50, 1685-7	5.8	27
49	Enhanced performance of quasi-solid-state dye-sensitized solar cells by branching the linear substituent in sensitizers based on thieno[3,4-c]pyrrole-4,6-dione. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 168-77	4.5	27
48	Flexible, Light-Weight, Ultrastrong, and Semiconductive Carbon Nanotube Fibers for a Highly Efficient Solar Cell. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1855-1859	3.6	27
47	Pyridine-Terminated Conjugated Organic Molecules as an Interfacial Hole Transfer Bridge for NiO-Based Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28960-28967	9.5	26
46	Varied alkyl chain functionalized organic dyes for efficient dye-sensitized solar cells: Influence of alkyl substituent type on photovoltaic properties. <i>Journal of Power Sources</i> , <b>2013</b> , 239, 16-23	8.9	26
45	4-(Aminoethyl)pyridine as a Bifunctional Spacer Cation for Efficient and Stable 2D Ruddlesden-Popper Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 37804-37819	9.5	24
44	Hollow NiCo <sub>2</sub> Se <sub>4</sub> microspheres composed of nanoparticles as multifunctional electrocatalysts for unassisted artificial photosynthesis. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 628-637	6.7	24
43	The position effect of electron-deficient quinoxaline moiety in porphyrin based sensitizers. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 36-47	8.9	24
42	Cobalt selenide hollow nanorods array with exceptionally high electrocatalytic activity for high-efficiency quasi-solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2018</b> , 378, 475-482	8.9	22
41	Reduced graphene oxide/Ta <sub>3</sub> N <sub>5</sub> composite: a potential cathode for efficient Co(bpy) <sub>3</sub> <sup>3+/2+</sup> mediated dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6342	13	22
40	POSS-Based Electrolyte for Efficient Solid-State Dye-Sensitized Solar Cells at Sub-Zero Temperatures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5343-50	9.5	20
39	Low temperature preparation of TiO <sub>2</sub> nanoparticle chains without hydrothermal treatment for highly efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4477-4483	13	19
38	Efficient quasi-solid-state dye-sensitized solar cells based on organic sensitizers containing fluorinated quinoxaline moiety. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19515-19525	13	19

37	Novel thiazolo[5,4-d]thiazole-based organic dyes for quasi-solid-state dye-sensitized solar cells. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 939-46	4.5	19
36	Enhanced interfacial electron transfer of inverted perovskite solar cells by introduction of CoSe into the electron-transporting-layer. <i>Journal of Power Sources</i> , <b>2017</b> , 353, 123-130	8.9	18
35	Growth of Cu particles on a Cu <sub>2</sub> O truncated octahedron: tuning of the Cu content for efficient glucose sensing. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 24361-9	3.6	18
34	Hydroxyethyl and ester co-functionalized imidazolium iodide for highly efficient solid-state dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 9446-8	5.8	17
33	Gold nanoparticles as an ultrathin scattering layer for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3614-3620	7.1	16
32	Zn <sub>0.8</sub> Cd <sub>0.2</sub> S@PCBM Hybrid as an Efficient Electron Transport Layer for Air-Processed p-i-n Planar Perovskite Solar Cells: Improvement of Interfacial Electron Transfer and Device Stability. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800222	7.1	16
31	Performance enhancement of dye-sensitized solar cells using an ester-functionalized imidazolium iodide as the solid state electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3219-23	9.5	15
30	In situ thermal conversion of graphene oxide films to reduced graphene oxide films for efficient dye-sensitized solar cells. <i>Materials Research Bulletin</i> , <b>2019</b> , 120, 110609	5.1	14
29	Synthesis of POSS-based ionic conductors with low glass transition temperatures for efficient solid-state dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10714-21	9.5	14
28	Quaternary Iron Nickel Cobalt Selenide as an Efficient Electrocatalyst for Both Quasi-Solid-State Dye-Sensitized Solar Cells and Water Splitting. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1034-1041	4.5	13
27	Tuning the spectroscopic, electrochemical, and photovoltaic properties of triaryl amine based sensitizers through ring-fused thiophene bridges. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1312-9	4.5	13
26	Single-crystal cobalt selenide nanobelt as a highly efficient cathode for stable quasi-solid-state dye sensitized solar cell. <i>Journal of Power Sources</i> , <b>2019</b> , 426, 16-22	8.9	12
25	Controllable growth of Ni <sub>x</sub> Co <sub>1-x</sub> Se films and the influence of composition on the photovoltaic performance of quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3901-3909	7.1	12
24	EFFECT OF SUBSTITUENTS IN THE IMIDAZOLIUM RING ON THE PERFORMANCE OF SOLID-STATE DYE-SENSITIZED SOLAR CELLS. <i>Nano</i> , <b>2014</b> , 09, 1440006	1.1	12
23	Efficient inverted perovskite solar cells with CuSeCN as the hole transport material. <i>Journal of Power Sources</i> , <b>2020</b> , 472, 228505	8.9	12
22	CoSe Hollow Spheres with Dual Functions for Efficient Dye-Sensitized Solar Cells. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 729-733	3.1	12
21	Self-Assembled Ionic Liquid for Highly Efficient Electron Transport Layer-Free Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2020</b> , 13, 2779-2785	8.3	11
20	Phenyl and thienyl functionalized imidazolium iodides for highly efficient quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16976-16983	13	10



19	Nanocomposites of nickel selenide supported on cube-shaped lidless graphitic boxes as efficient counter electrodes for quasi-solid-state dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2018</b> , 281, 237-245	6.7	10
18	Highly Efficient and Stable Pure Two-Dimensional Perovskite-Based Solar Cells with the 3-Aminopropionitrile Organic Cation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18590-18595	9.5	9
17	Structure-property relationships of organic dyes with D- $\pi$ A structure in dye-sensitized solar cells. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2010</b> , 5, 150-161		9
16	Self-assembly of cobalt sulfide nanosheets into nanoflowers and ordered nanosheets arrays for dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2019</b> , 301, 220-228	6.7	8
15	Triphenylamine derivatives and the lithium-ion capture of [3.3]cyclophane used in organic dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2017</b> , 136, 761-772	4.6	8
14	Self-assembled ultrathin titania nanosheets as blocking layers for significantly enhanced photocurrent and photovoltage of dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 17042-17049	13	7
13	Lithium-coordinating ionic conductor for solid-state dye-sensitized solar cells. <i>RSC Advances</i> , <b>2015</b> , 5, 56967-56973	3.7	6
12	An imidazolium iodide salt as a bifunctional co-adsorbent for quasi-solid-state dye-sensitized solar cells: improvements of electron lifetime and charge collection efficiency. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2702-2708	13	5
11	Separating the redox couple for highly efficient solid-state dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 7334-8	3.6	5
10	Effect of deoxycholic acid on performance of dye-sensitized solar cell based on black dye. <i>Frontiers of Optoelectronics in China</i> , <b>2011</b> , 4, 80-86		5
9	Black Phase of Inorganic Perovskite Stabilized with Carboxyimidazolium Iodide for Stable and Efficient Inverted Perovskite Solar Cells.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	5
8	Enhancing the Performance of Dye-Sensitized Solar Cells with a Gold-Nanoflowers Box. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 3283-3289	4.5	5
7	Co <sub>9</sub> Se <sub>8</sub> Nanosheets Electrodes: Drop-Cast versus in situ Growth. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 645-650	4.9	4
6	Self-Supporting AuCu@Cu Elongated Pentagonal Bipyramids Toward Neutral Glucose Sensing. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 771-778	3.1	4
5	Highly efficient dye-sensitized solar cells with NiSe<sub>2</sub> counter electrodes: Effect of morphology on the electrocatalytic activity and the photovoltaic performance. <i>Chinese Science Bulletin</i> , <b>2017</b> , 62, 1500-1506	2.9	2
4	A dopant-free hole transport material boosting the performance of inverted methylamine-free perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 3159-3168	13	1
3	Indolocarbazole-core linked triphenylamine as an interfacial passivation layer for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 7173-7185	13	1
2	Boosting the Conductivity of the NiO <sub>x</sub> Layer through Cerium Doping for Efficient Planar Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 9038-9045	6.1	0

- 1      Synthesis and optoelectronic properties of donor-acceptor molecules containing pyromellitic diimide chromophore. *Chemical Research in Chinese Universities*, **2013**, 29, 1083-1088      2.2